

REMEDIAL ACTION REPORT

STUDY AREA 5

FORMER BALDWIN STEEL SITE (NJDEP SITE 090)
FORMER MI HOLDINGS SITE (NJDEP SITE 184)
PORTION OF FORMER MORRIS CANAL SITE (NJDEP SITE
153 NORTHERN SEGMENT)

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EXECUTIVE SUMMARY

This Remedial Action Report (RAR) documents the completion of the remedial action for chromium at the portion of Study Area 5 (SA-5) known as the New Jersey City University Property (NJCU Property or Site). This property is proposed for redevelopment as part of a redevelopment plan known as the West Campus Expansion, which will serve to broaden the physical resources of New Jersey City University (NJCU or University) and provide expanded learning opportunities, especially for Hudson County residents. NJCU plans to redevelop the land into a mixed-use facility consisting of student housing, retail, and other educational facilities. It will also provide attractive retail outlets and market rate housing that is expected to contribute to the revitalization of Jersey City's west side. Honeywell's remediation, consisting of a fully protective remedy, is an important component contributing to this redevelopment moving forward.

This portion of SA-5 includes the following sites:

| Site Name | NJDEP Site No. |
|--|----------------|
| Former Baldwin Steel | 90 |
| Former M.I. Holdings | 184 |
| Portion of the Former Morris Canal (153 Northern Segment) | 153 |

The sites are collectively referred to herein as the "Site," and encompass a total of approximately 14 acres located in Jersey City, Hudson County, New Jersey (see **Illustration 1&2 below**) New Jersey Department of Environmental Protection (NJDEP) Sites 90 and 184 are owned by NJCU, while Site 153 is owned by Honeywell.



Illustration 1: Site Locations

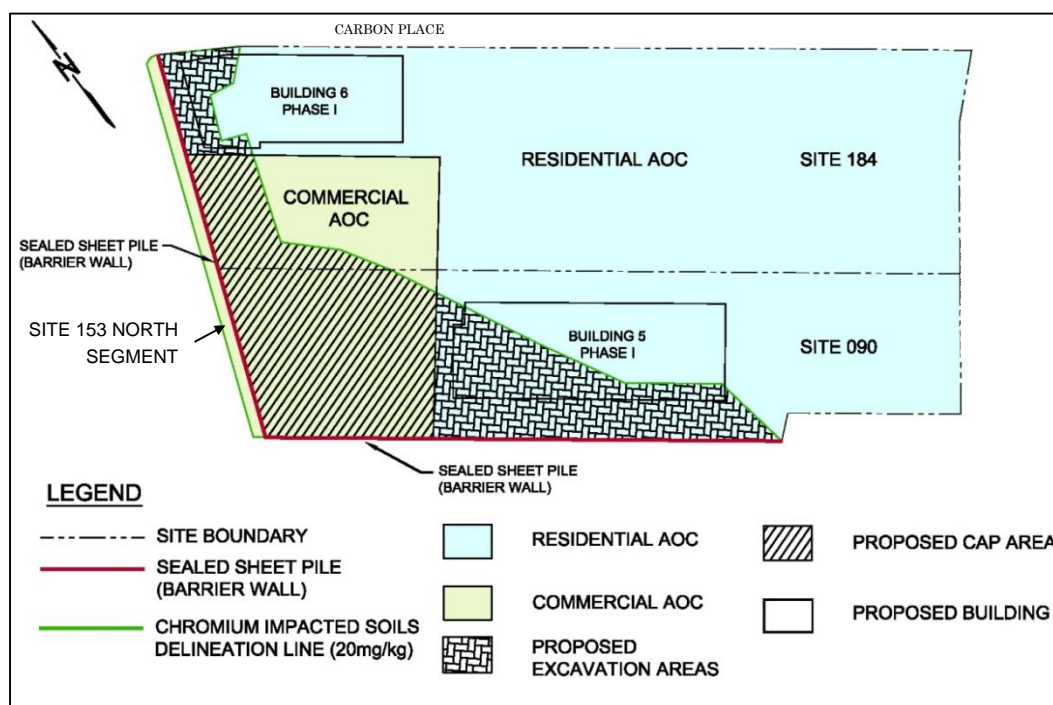


Illustration 2: RAOC and CAOC Development

The remedial approach took into consideration the Chromium Policy and NJCU's redevelopment plan, which includes residential and commercial uses. Honeywell,

following the guidance of the Chromium Policy, selected remedies that address the site uses. The components of the remedial actions for chromium included:

- Excavation of soils containing hexavalent chromium above 20 milligrams per kilogram (mg/kg) to a depth of 20 feet (also referred to as 20/20) or 20 mg/kg, as applicable, in the Residential Area of Concern (RAOC) as per the NJDEP Chromium Policy (Chromium Policy) issued in February 2007. The RAOC extends from the edge of each residential building footprint to the nearest physical feature of the adjoining Commercial Area of Concern (CAOC).
- Additional delineation sampling and remedial action for soils containing hexavalent chromium above 20 mg/kg on the western portion of the NJCU Property north of the Metro Park Site (Site 173). This area is referenced as Building area 3 and work was performed in conjunction with the work described in Section 2.1.11. See **Table 1B-5** and **Figure 3E** for analytical results.
- Focused soil excavation in the CAOC to provide clean utility corridors and to coordinate the capping system with proposed Site development features along Route 440.
- Engineering controls for soils exceeding 20 mg/kg in the CAOC. The engineering controls include a capping barrier with impervious geomembrane liner, geocomposite drainage layer, and minimum two feet clean soil cover, or minimum 1-foot clean soil and pavement cover.
- Installation of a hydraulic barrier and backfilled liner system along the southern and western property boundaries of the Site to hydraulically isolate the chromium areas on the Site from the adjacent Home Depot property (Site 117) to the south and to restrict offsite migration to the west.
- Installation of a groundwater extraction system that will only operate if specific triggering criteria are exceeded.
- Implementation of Institutional Controls (Deed Notice) for soils above 20 mg/kg hexavalent chromium and maintenance of existing engineering controls.
- Implementation of post-remediation groundwater monitoring to evaluate chromium concentrations with respect to the NJDEP Ground Water Quality Standards (GWQS) and Institutional Controls for groundwater (CEA).

NJCU had agreed to the deed notice and restrictions associated with the approved remedial approach as indicated in the approved RAWP, and at this time, have recorded the subject deed notice.

The chromium remediation was conducted by Honeywell in accordance with the requirements of the NJDEP-approved Supplemental Remedial Investigation Report (SRIR), Remedial Action Selection Report (RASR) and Remedial Action Work Plan (RAWP) (July 26, 2007), the Technical Requirements for Site Remediation (TRSR) (New Jersey Administrative Code 7:26E-6) as well as the provisions of the 1993 Administrative Consent Order between Honeywell and the New Jersey Department of Environmental Protection (ACO) and those of the January 2010 Consent Decree regarding Remediation of the NJCU Redevelopment Area (Consent Decree). Working with NJCU, Honeywell has executed a viable and protective remedy to address contamination associated with the historic placement of chromium-containing fill at the Site.

This RAR presents the results of the remedial approach to address chromium contamination as outlined in the NJDEP-approved SRIR/RASR/RAWP dated July 26, 2007. Remedial design documents were submitted to the NJDEP in April 2008. At the time of the April 2008 submission, the NJCU Redevelopment project plans were not yet finalized. Honeywell's 100% Remedial Design dated June 10, 2010, was based on the final NJCU Redevelopment plans.

The remedial action field activities were initiated on August 9, 2010, and were substantially completed on June 23, 2011. Final completion was reached on February 6, 2012 with the installation and commissioning of the contingent groundwater extraction system.

Post-remediation monitoring of the groundwater shall be implemented in accordance with the RAWP, and other requirements as identified in the Consent Decree. The shallow groundwater zone, which is the groundwater zone addressed by the RAWP for this Site and the current remedial action, is subject to a regional CEA approved by NJDEP on February 16, 2012 and encompassing Study Areas 5, 6 and 7. The CEA defines the areal extent of chromium impacts in the shallow groundwater zone (fill material, 0 to 20 feet). Similar CEAs were approved by NJDEP on the same day

for the intermediate and deep groundwater bearing zones but those are not the subject of work associated with this RAR.

This RAR documents the remedial activities at the Site and addresses impacts associated with chromium-containing fill, referred to as Chromite Ore Processing Residue (COPR). Environmental issues associated with non-chromium contaminants related to other types of historic fill or previous operations on the NJCU Property, will be addressed separately by NJCU as part of the Site preparation phase of the proposed construction. NJCU's remedial activities will be coordinated with the remedy already implemented by Honeywell.

The remedial actions implemented at the Site reflect Honeywell's concerted efforts to produce a remedial approach that coupled remedial action for each part of the Site with the proposed land use. This type of approach is supported by the provisions in the Chromium Policy that allow site use to drive the remedial action, and reflects the result of a productive collaboration between NJCU and Honeywell. The resulting comprehensive approach involved a combination of technologies, excavation in the area proposed for residential use and capping in the part of the Site proposed for commercial use. The remedial approach also provided an added measure of protection for the CAOC by including a groundwater extraction system whose operation is contingent on certain predefined triggering criteria.

The overall remedy is fully protective of human health and the environment and supports the Site redevelopment plan and schedule envisioned by NJCU. The proactive approach reflected in this remedy: 1) was encouraged by New Jersey's Brownfields Legislation, 2) fully met both the spirit and intent of the Chromium Policy, and 3) complied with the New Jersey TRSR.

Based on completion of the remedial actions for chromium as documented in this RAR, Honeywell requested and received from NJDEP a No Further Action (NFA) letter on May 7, 2012 with respect to chromium impacts in soil at the Site.

This version of the RAR is being submitted as the final version which incorporates revisions made to the document as a result of comments received from NJDEP, Plaintiffs, and NJCU respectively.

1.0 INTRODUCTION

1.1 PURPOSE AND SCOPE

This RAR was prepared by AMEC Environment & Infrastructure, Inc. (Amec), formerly MACTEC Engineering and Consulting, Inc. (Mactec), on behalf of Honeywell International Inc. (Honeywell) to document the remedial actions completed at the NJCU Property.

The purpose of this RAR is to provide documentation on the successful execution of remedial action for chromium constituents at Study Area 5 Sites 90, 184 and abutting northern section of Site 153 in Jersey City, New Jersey. A site plan showing key major features of the remedial action is included in the report attachments as **Figure 2**.

This report is submitted to the New Jersey Department of Environmental Protection to address remedial action reporting requirements as specified in the Chromium Policy.

1.2 REPORT ORGANIZATION

In compliance with the TRSR, N.J.A.C. 7:26E-6.7, this RAR contains the following sections:

1. *Introduction*. This section contains the purpose and scope, background information, and describes the report organization.
2. *Remediation Criteria*. This section identifies the NJDEP soil cleanup criteria applicable to this remedial action.
3. *Remedial Action Activities*. This section describes the remedial measures implemented between August 9, 2010 and February 6, 2012.
4. *Post-Excavation Confirmation Sampling*. This section describes the post-excavation confirmatory sampling applicability and compliance.
5. *Post-Remediation Operation & Maintenance*. This section describes the post-remediation operation and maintenance program.
6. *Remedial Action Costs*. This section describes the costs incurred executing the remedial measures pursuant to N.J.A.C 7:26E-8.

7. *Conclusion & Recommendations.* This section summarizes the remedial measures and presents conclusions for the disposition of the Site.
8. *References.* This section presents a list of selected references used in preparing this document.
9. *List of Acronyms/Abbreviations.* This section includes a list of acronyms and/or abbreviations used in this document.

1.3 GENERAL HISTORY OF THE SITE

This section presents a Site description and background information for the portion of SA-5 that is referred to herein as the NJCU Property. This Site consists of two sites, Baldwin Steel or NJDEP Site 090, and M.I. Holdings or NJDEP Site 184. In addition to these two sites, the remedial action included remediation of the portion of the Morris Canal Site, NJDEP Site 153, abutting Sites 090 and 184. Sites 090 and 184 are owned by NJCU while the Former Morris Canal Site is owned by Honeywell. See **Figure 1** for a Site Location Map included in the attachments of this report.

The Baldwin Steel and M.I. Holdings Sites, previously defined as the NJCU Property, are located next to each other in the area between Route 440 and West Side Avenue. Surrounding land use in the area is primarily industrial/commercial. Sites adjacent to the NJCU Property include the former Ryerson Steel Site also referred to as NJDEP Site 117 (or Home Depot Site), currently occupied by a retail shopping center, and located immediately south of Baldwin Steel; Route 440 Vehicle Corporation, also known as NJDEP Site 079, currently occupied by a car dealership and located north of M.I. Holdings on the opposite side of Carbon Place and the Former Morris Canal (Site 153) located along the western boundary of the Baldwin Steel and M.I. Holdings Sites, along Route 440; and commercial areas on the opposite side of West Side Avenue to the east.

The operating history for the Baldwin Steel and M.I. Holdings Sites was documented in the Remedial Investigation Report (RIR) dated November 1999 (TetraTech, 1999), as well as the 2007 RAWP for the Site.

1.4 CONTAMINANT OF CONCERN

In accordance with the ACO between Honeywell and NJDEP, Honeywell investigated the Site for chromium impacts. The investigation, initially conducted in 1999 and completed as documented in the 2007 Remedial Investigation Report/ Remedial Action Section Report/Remedial Action Work Plan (RIR/RASR/RAWP), identified the areas exceeding 20 mg/kg of hexavalent chromium.

The remedial actions detailed in prior sections, focused on addressing the chromium impacts at the Site. During the remediation, approximately 14,500 CY of soil material with hexavalent chromium concentrations above 20 mg/kg were removed from the Site. Remaining soil with concentrations above 20 mg/kg within the CAOC was capped with a multilayer liner system. In addition, a hydraulic barrier wall and groundwater extraction system were constructed to prevent migration of impacted groundwater offsite.

2.0 REMEDIAL ACTION OBJECTIVES

Remedial action objectives (RAOs) for the remediation were defined in the NJDEP-approved RAWP (Mactec, 2007). The RAOs were established with consideration given to the Site location and present and future land use.

The following criteria were considered for the establishment of RAOs at the Site:

- Protection of the public health and the environment;
- Constructability of remedial actions;
- Consistency of the remedial actions with applicable laws and regulations;
- Potential impacts of the remedial actions on the local community and future property development;
- Prevention of adverse impact to natural resources; and
- Consistency of the remedial actions with the NJDEP Chromium Policy.

Specific RAOs are indicated below.

Soils

- Prevent exposure to soil containing contaminants of concern (COCs) (hexavalent chromium) as per the criteria outlined in the Chromium Policy. .
- Remediate chromium-impacted soils considered to be a potential source of groundwater contamination.
- Remove and consolidate soils that may be disturbed by proposed future Site redevelopment activities, and, to the extent feasible, reuse soils onsite within areas proposed for capping.
- Prevent the potential for future exposure to chromium-impacted soils.

Groundwater

- Mitigate the potential for surface water infiltration and leaching of COCs (total and hexavalent chromium) from fill soils (vadose zone) to groundwater.

- Prevent offsite migration of chromium concentrations above the Groundwater Quality Standards (GWQSs).
- Reduce chromium concentrations in groundwater.
- Prevent exposure to groundwater with chromium concentrations above the GWQSs.

It is anticipated that future redevelopment activities will include demolition of the remaining existing pavement and concrete foundations that interfere with redevelopment plans and the construction of buildings, parking structures and other features such as landscaping, roads, and utilities. Remedial actions were evaluated with respect to the remedial action objectives and Site redevelopment plans, specifically proposed buildings and land use in the area of chromium-impacted fill in the western portion of the Site.

Based on the proposed redevelopment use classifications (residential or commercial), NJDEP Chromium Policy, and application of the most stringent use criteria, notwithstanding potential differences in the use of certain floors or levels, the Site was divided into the following areas of concern for the purpose of evaluation and development of remedial actions (see **Figure 2 – Remedial Action Summary** included in the attachments to this report).

Commercial AOC (CAOC)

A single rectangular area in the southwest portion of the Site will initially be used for parking and consists of roadways and landscaped areas as per NJCU redevelopment plans. NJCU may construct a commercial building in a portion of this CAOC as part of future campus expansions. The full CAOC area is approximately 180,000 square feet and has been capped so as to prevent exposure to soils containing hexavalent chromium concentrations greater than 20 mg/kg. The applied cap consists of linear low density polyethylene (LLDPE) membrane, a geocomposite drainage layer, minimum two feet clean soil cover, or minimum of one foot clean soil and pavement cover. Details of the cap design developed in close coordination with the NJCU redevelopment plans can be found in Section 4.2.1 and Figure 7 of the RAWP. In addition, a hydraulic barrier wall was installed along the southern and western property boundaries.

Residential AOC

The RAOC is also defined in **Figure 2** and is the area constituting the remainder of the Site that is not included in the CAOC. With Honeywell's chromium remediation in this area completed, NJCU can proceed to construct two residential buildings, Buildings 5 and 6, that will have market rate or student housing on the 2nd floors (and possibly higher floors), in accordance with its West Campus Redevelopment Plan.

The Building 5 excavation area was approximately 84,000 square feet (including 37,000 square feet of building footprint and surrounding area of 47,000 square feet) and involved the excavation of soils with hexavalent chromium above 20 mg/kg to depths of approximately 20 feet. The Building 6 area excavation represented an area of approximately 18,000 square feet (including 13,700 square feet of building footprint and surrounding area of 4,300 square feet) and involved the excavation of soils with hexavalent chromium above 20 mg/kg to depths to approximately 10 feet.

2.1 IMPLEMENTATION OF REMEDIAL ACTION

Mactec(now Amec) on behalf of Honeywell prepared the plans and specifications for implementation of the remedial action (RA) in accordance with the NJDEP-approved RAWP dated July 2007, the Modified Remedial Design dated April 2008, and the 100% Remedial Design Document submitted to NJDEP in June 2010 (NJDEP June 2010). Mr. Brent O'Dell of Mactec, a Professional Engineer registered in the State of New Jersey, was the Engineer of Record for the design and construction of the RA. Mr. Stuart Bills of Mactec provided daily field oversight and observation of remedial activities. Mactec acted as the General Contractor, and contracted directly with other subcontractors to perform specialty environmental services.

Sevenson Environmental Services, Inc. (Sevenson) was contracted by Mactec on behalf of Honeywell to complete the approved RA. Full time Perimeter Air Monitoring was performed by Emilcott Associates, Inc., while waste manifesting and disposal coordination was conducted by Arecon Ltd. Both were contracted directly by Mactec. Disposal of hazardous soil was contracted directly by Honeywell, and the material was disposed of by US Ecology at its Grandview, Idaho facility. Disposal of sludge from the dewatering system was contracted by Honeywell to Clean Earth of New Jersey in Kearny, New Jersey. Disposal of non-hazardous soil and debris was contracted directly by Honeywell and took place at both the New Jersey Meadowlands Commission (NJMC) Keegan Landfill in Kearny, New Jersey and

Middlesex County Landfill in East Brunswick, NJ (MCL). Transportation of hazardous soil and debris was provided by Horwith Trucking, LLC of Northampton, Pennsylvania through US Ecology's contract. Transportation for non-hazardous soil was provided through Honeywell's contract to NJMC and MCL and performed by Rebco Contracting Corp. of Clifton, NJ to NJMC and Veniero Trucking to MCL. The remedial action was implemented by Severson from August 9, 2010 through substantial completion in June 23, 2011. Remedial actions at the Site were completed on February 6, 2012 following the installation and commissioning of the groundwater extraction and treatment system. Field reports and photographic documentation of the remedial action are included in **Appendix A**. The master schedule of remedial action activities is included in **Appendix K**.

2.1.1 Pre-Remediation Activities

Pre-remediation activities completed by Mactec and Honeywell prior to implementation of the remedial action included:

- Property access agreement with the current site owner and adjacent site owners to conduct remedial action activities.
- Pre-excavation waste classification sampling to allow for direct loading of materials destined for offsite disposal during construction.
- Pre-excavation soil delineation sampling to establish the limits of excavation and serve as post-excavation sampling data.
- Geophysical investigation to determine locations of underground utilities and sub-surface anomalies.
- Geotechnical investigation to support design of a temporary soil retention system (sheet pile shoring).
- Preparation of Remedial Design package (Plans and Specifications) consisting of 49 "D" Sized Drawings and accompanying Specifications.
- Preparation of Remedial Design Report and other accompanying documents (e.g., groundwater modeling report).
- Regulatory Permits and Approvals.
 - Several permits were required to conduct the remedial action work at SA5-NJCU. The table below provides a listing of the permits, purpose, and the current status of the permit.

Table 5 - Permits

| Permit | Purpose | Status |
|---|--|-------------------------------------|
| Highway Occupancy Permit | Required for relocation of perimeter fence and Jersey Barriers along Rt. 440. | Closed |
| Flood Hazard Permit | Granted permission to conduct grading activities within the floodplain of the Hackensack River in connection with site remediation activities. | Closed |
| Soil Erosion and Sediment Control Plan and General Construction Stormwater Permit | Allowed construction of a disturbed area of one acre or larger that complies with Clean Water Act requirements to reduce polluted runoff. Requirements included coverage under the NJ -issued NPDES permit, development and implementation of a Storm Water Pollution Prevention Plan, weekly inspections and documentation of runoff controls, an annual report and notification of regulatory authorities when the site has been stabilized. | Closed |
| TWA Permit | Allowed the construction and operation of the temporary construction water treatment plant. | Closed |
| PVSC Authorization to Discharge Construction Waters | Allowed the discharge of construction waters to the sanitary storm system for treatment by the Passaic Valley Sewerage Commission wastewater treatment plant. Monthly monitoring for chromium, metals, organics, and BOD was required. | Closed |
| TWA, PVSC, and JCMUA Discharge Permits | For operation and discharge of the contingent groundwater extraction system. | Active for future usage if required |

See **Appendix N** for permit documentation.

During the operation of the temporary construction water treatment system: monthly compliance sampling was performed to ensure the total amount of chromium discharged did not exceed 5 lbs per day. Monthly sampling was conducted in compliance with the conditions of the Passaic Valley Sewerage Commission (PVSC) discharge permit. During that time, results ranged from 3.3 lbs/day on 11/3/10 during initial discharge to 0.044 lbs/day on 4/4/11. See **Table 4** for a comprehensive list of sample results and **Appendix F** for PVSC compliance reports.

2.1.2 Health & Safety

Prior to the initiation of the remedial action field activities a Site-specific Health and Safety Plan (HASP) was developed by Severson to address implementation of the planned remediation activities. The HASP specified the health and safety procedures and equipment required for the remedial action work activities to minimize the potential for exposure to field personnel and the community, including site control measures, engineering controls and work practices, air monitoring procedures, decontamination and residuals management procedures, and emergency response information.

The HASP included the following measures to minimize potential risks or effects to the public during remediation:

- Installation of temporary eight-foot high chain link fence around the entire outer perimeter of the Site. This fence provided a secure work zone and barrier between the RA work areas and public rights-of-way surrounding the Site;
- Installation of wind screen on the perimeter fence panels assist in the control of dust. The wind screen acted as a wind barrier to inbound and emigrating winds;
- Site control measures the designation of;
 - Support zones for field offices with a physical barrier to work zone;
 - Work zones defined by areas of the Site where active construction activities were performed;
 - Exclusion zones in areas where there was potential for contact with COPR materials with concentrations of 240 mg/kg and greater; and

- Contamination reduction zones to provide a decontamination and PPE upgrade/downgrade passage way between exclusion zones and work zones
- Decontamination of all trucks used to transport the excavated materials in designated areas prior to exiting the Site;
- Implementation of dust control measures including watering of excavation areas on an as-needed basis to minimize potential dust generation;
- Procedures for handling contaminated materials;
- Real time perimeter air monitoring and daily sampling of dust to ensure compliance with regulated guidelines in place for public health;
- Personal air monitoring and air sampling in the breathing zone during construction activities; and
- Monitoring of work zone for dust by Severson's Site Safety Officer.

The minimum PPE for personnel within the construction site included hardhats, high visibility vests, safety glasses, and steel toed boots. Minimum worker personal protective equipment (PPE) within exclusion zones at the Site (i.e., soil excavation area) consisted of hardhat, safety glasses, high visibility vests, Tyvek™ suits, gloves, and steel-toed boots while working in designated exclusion zone areas at the Site (i.e., soil excavation area). Upon leaving the exclusion zone, disposable PPE was placed into containers staged within the contamination reduction zone. Non-disposable PPE was decontaminated in the same area. Disposable PPE was combined with the COPR impacted soils and transported and disposed offsite. Decontamination fluids were processed through the onsite temporary construction water treatment system and subsequently discharged via JCMUA and PVSC discharge permits and agreements.

2.1.3 Personal Air Monitoring Program

During the remedial action a total of 19 personal airborne dust samples were submitted for trivalent and hexavalent chromium analysis by Severson to evaluate chromium levels present within worker breathing zones. Personal exposures were evaluated by sampling in accordance with National Institute for Occupational Safety and Health (NIOSH) Method 7300 for chrome III and NIOSH 7600 for chrome IV. The personal samples were collected via portable air sampling pumps that are worn

by workers and were placed on personnel working within the exclusion zone or truck lining sealing area for the outbound hazardous trucks. To evaluate worker exposures, the samples were collected in the personal breathing zone of workers for duration of at least 7 hours from at least one person per work crew in an active work area. In general, samples were collected from those workers at site conditions that represented the highest potential for exposure to trivalent and hexavalent Chromium.

Hexavalent chromium personal air sampling results ranged from 0.032 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) to $0.35 \mu\text{g}/\text{m}^3$, well below the Occupational Safety & Health Administration (OSHA) Permissible Exposure Limit (PEL) of $500 \mu\text{g}/\text{m}^3$. In addition to hexavalent chromium, 18 samples were taken for trivalent chromium ranging from 0.0028 to $0.0081 \mu\text{g}/\text{m}^3$ (OSHA PEL $500 \mu\text{g}/\text{m}^3$) and 4 samples were taken for mercury ranging from 0.0093 to $0.012 \text{ mg}/\text{m}^3$ (OSHA PEL $0.1 \text{ mg}/\text{m}^3$). Based on this data, no exposures above OSHA PELs occurred during remedial activities.

2.1.4 Perimeter Air Monitoring Program

As part of the Health and Safety monitoring conducted during remediation, air monitoring within the work zone area and around the perimeter of the Site was implemented in accordance with the Perimeter Air Monitoring Plan (PAMP) dated June 2010 (revised December 2010) that was approved by the NJDEP.

The perimeter air monitoring program was implemented by Emilcott Associates, Inc., on behalf of Honeywell, to ensure that COCs did not become airborne and result in potential exposures to the surrounding public. The COC, potentially found in dust from activities occurring at the site, was hexavalent chromium. Action levels determined for the project include $339.0 \mu\text{g}/\text{m}^3$ for air-borne dust, $568.6 \mu\text{g}/\text{m}^3$ for hexavalent chromium, and $1522.4 \mu\text{g}/\text{m}^3$ for inorganic mercury (PAMP 2010, Table C-1). Preventative measures taken to control the generation of dust are detailed in Section 2.1.9 Excavation and Backfill Activities. In order to assess the potential presence of hexavalent chromium in dust, four perimeter monitoring zones were established to monitor for air-borne dust as a surrogate for hexavalent chromium. The monitoring stations were placed on each side of the site to monitor for fugitive dust as a surrogate for hexavalent chromium; one in each of the four outer boundaries of the Site (see **Illustration 3** below); additional temporary stations were used in the proximity of work areas during specific activities as needed. The PAMP also required that confirmation air samples be sent to the laboratory for

analysis of hexavalent chromium according to US EPA Methodology for PM-10 sample analysis.

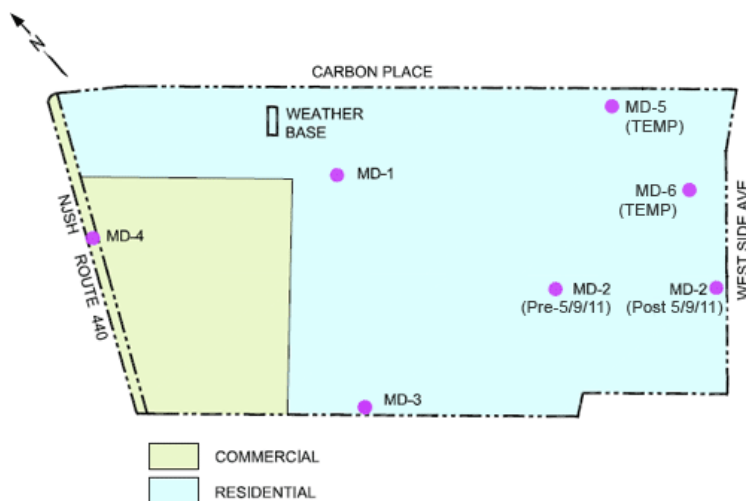


Illustration 3: Perimeter Air Monitoring Locations

Perimeter air monitoring consisted of real-time air monitoring by a dedicated onsite technician for airborne dust against those levels defined in the PAMP. Daily confirmatory samples for hexavalent chromium were collected from one selected downwind station each day of soil disturbance activity.

Samples were collected starting on July 27, 2010 with two weeks of sampling before the inception of site activities in order to establish a baseline, and continued to be collected, until COPR removal was completed and all intrusive activities finished on June 7, 2011. There were no excursions of the action level for total dust during the period of the monitoring.

Perimeter air sampling results for hexavalent chromium ranged from 0.01 $\mu\text{g}/\text{m}^3$ (non-detect) to 0.057 $\mu\text{g}/\text{m}^3$ (from MD-4 on September 21, 2011). The OSHA PEL for the hexavalent chromium standard (29 CFR 1926.1126) is 5 $\mu\text{g}/\text{m}^3$ as an 8-hour time weighted average (TWA). Daily perimeter air monitoring reports and perimeter confirmatory sample laboratory results are included in **Appendix I**.

2.1.5 Vibration Monitoring

As mentioned in Sections 1.2 and 1.3, the Site is in close proximity to several other sites in the area. As a result, concerns arose about possible vibration induced stress

to existing structures or utilities during the sheet pile driving operations. In order to assess this potential impact a vibration monitoring program was put in place and was applied to the following structures commencing on October 10, 2010 before construction activities until May 16, 2011 in conjunction with demobilization activities:

- Raymour and Flanigan building (Levitz) – south of NJCU Property located on Site 117
- Honda dealership building – north of NJCU Property – Site 79
- 36" diameter concrete encased Bayonne Municipal Utilities Authority (BMUA) force main along New Jersey State Route 440 – force main located within Site 153 running west and adjacent to NJCU Property
- 24" Sewer brick pipe along Carbon Place – North of NJCU

Vibra-Tech was retained by Severson to establish a vibration monitoring program during pile driving activities and to analyze the effects of pile driving vibration on the integrity of the structures. Vibra-Tech study suggested that ground vibration induced by construction activities such as pile driving could have two types of effects on the integrity of adjacent structures. First, it could cause structural damage to the structures through excessive vibration. Secondly, excessive vibration could cause soil softening due to increased pore water pressure and shear strain within the surrounding soils.

Based on the results of this study, threshold vibration criteria were recommended for the subject structures. The significance of these threshold criteria was that if the respective levels were reached, the vibration inducing activities would have to cease if, indeed, they were attributable to site activities. The following levels were recommended for each of the respective structures:

- 0.5 in/sec for Raymour and Flanigan building (Levitz);
- 0.5 in/sec for Honda dealership building;
- 1.5 in/sec for 36" diameter BMUA force main along New Jersey State Route 440; and
- 0.7 in/sec for 24" Sewer brick pipe along Carbon Place.

Vibration monitoring continued throughout the duration of the project. Weekly progress reports indicated that vibration on the Site induced by construction

activities did not exceed that recommended for the respective structures. No vibration induced damage was reported to adjacent buildings or buried utilities.

Any exceedance of the recommended limits above have been documented and recorded with an explanation for the occurrence. None of the occurrences correlated to onsite activities and generally were a result of sensor malfunctions and unintended sensor manipulation by building tenants.

2.1.6 BMUA Force Main Settlement Monitoring

The force main consists of a 36-inch diameter steel pipe encased in concrete due to its shallow depth from ground surface (approximately 1-2 feet). A series of vertical settlement monitoring points were installed along the 36-inch BMUA force main to track movement of the structure during construction.

The encasement was exposed at the Settlement Monitoring Points in accordance with the site plans shown on Sheets S-300 and S-301 (Sheets 41 and 42 of 49) of the construction drawings. Settlement monitoring points were established along the BMUA force main and displacement monitoring points on the excavation support system (see Section 2.1.8). A stable set of control benchmarks were then established in the viewable proximity of the monitoring points, and away from the disturbance area of the Site.

Settlement monitoring points were recorded biweekly by a licensed surveyor during construction to track movement of the force main. During the five months of monitoring the maximum change in elevation reported was 0.05 feet. This change in elevation, noted near the southwest corner of the Building 6 excavation, was determined to be within the normal operating limits of the pipeline.

2.1.7 Sheet Pile Deflection Monitoring

A series of points were installed along the sheeting to monitor the deflection of the sheeting during excavation activities. Excessive deflection or displacement of the sheeting could potentially cause damage to surrounding features.

The deflection monitoring points were read biweekly by a licensed surveyor during excavation and completed upon backfilling. There were no instances in which displacement readings generated concern. Results can be found in **Appendix P**.

2.1.8 Mobilization & Temporary Facilities

Following contractor selection, Severson prepared and submitted to Mactec and Honeywell various plans and submittals, and acquired all necessary construction permits and approvals required for implementation of the remedial action.

On August 9, 2010 Mactec and Severson began mobilization of necessary personnel, equipment, and materials to the Site. General site preparation activities included:

- Underground utility markout;
- Establishment of temporary equipment and personnel trailers;
- Installation of traffic control features (Jersey Barriers, traffic signs);
- Required notification and implementation of soil erosion measures in accordance with the approved SESCP;
- Implementation of site clearing activities;
- Partial removal of existing perimeter fence and gate;
- Installation of eight-foot high temporary fencing with green wind/dust screen and Jersey Barriers around the outside perimeter of the remedial action area which abutted Route 440 North, Carbon Place, and adjacent shopping center driveways;
- Establishment of temporary power and telephone service to the temporary office trailers located on north side of the Site and to the temporary construction wastewater treatment plant;
- Implementation of perimeter air monitoring program;
- Establishment of vibration monitoring equipment and building/structure control points;
- Installation of temporary truck scale, tracking pad and decontamination pad, and establishment of staging and stockpiling areas;
- Construction of construction entrances, haul roads and stone ramps;
- Establishment of support zones and work zones;
- Installation of groundwater observation monitoring wells;
- Construction of the temporary wastewater treatment plant;

- Completion of pre-remediation survey to establish baseline limits, elevations, and control points for the proposed excavation by a New Jersey Licensed Land Surveyor (Kennon Surveying); and
- Abandonment of monitoring wells within excavation areas. See **Appendix O** – Well Abandonment Records.

Stormwater and Construction Water Management

Stormwater management and monitoring included separating clean stormwater (water that would not come into contact with potentially impacted areas), from Construction Water which included potentially impacted groundwater, decontamination water, and stormwater which could contact potentially impacted areas.

Stormwater Management

Stormwater Management practices included the following items:

- Construction of asphalt berms to divert clean stormwater away from excavation areas.
- Construction of multiple stockpile containment areas to keep clean stormwater from coming into contact with the stockpiles as well as to contain the stormwater within the bermed areas that had come in contact with the stockpiles.

Stormwater that did not contact hazardous soils (including water that was collected from undisturbed areas) and “clean” water from remediated areas was managed with the diversion berms, diverted away from the construction area, and discharged via current stormwater conveyance structures.

Compliance with the approved SESC Plan was also maintained. Daily inspections of the site and erosion controls were performed to ensure that proper stormwater management and soil erosion and sediment control was being maintained. Any maintenance issues were reported immediately to the contractor for immediate repair.

Construction Water Management

Construction Water Management practices included the following items:

- Construction of a temporary construction water treatment system that included the following:
 - A 500,000 gallon stormwater settlement tank with associated secondary containment was constructed to provide storage of containment water.
 - Two additional 21,000 gallon Baker Tanks were placed within the temporary construction water treatment area to provide containment and temporary storage of potentially impacted stormwater, groundwater and decontamination water.
 - A Chemical Treatment train that could be activated if chromium effluent concentrations exceed allowable discharge limits.

All groundwater and stormwater on the site that had potentially contacted hazardous soil was contained and treated onsite (in the onsite wastewater treatment plant) prior to discharge to JCMUA/PVSC.

2.1.9 Excavation & Backfill Activities

The excavation limits were based on the remedial design drawings submitted to the NJDEP in June 2010 and included on the Construction Drawings.

Sevenson executed the excavation and backfilling activities by completing the following phases:

- Installation of the excavation support systems / hydraulic barrier;
- Installation and operation of the construction dewatering system;
- Excavation of the RAOC (Building 5 & 6 areas) which included both hazardous, and non-hazardous soil;
- Excavation for utility corridor areas and grading of the Building 7 CAOC;
- Building 7 CAOC cap system installation; and
- Backfill and site restoration activities.

Excavation Support Systems / Hydraulic Barrier Installation

In order to safely perform the excavation work in the northwest (Building 6) and southeast (Building 5) areas of the site to required depths, an excavation sidewall

support system was necessary. Mueser Rutledge Consulting Engineers (MRCE) was contracted by Mactec to design the required excavation sidewall support system. Steel sheet pile construction was selected. The type, size and length of the sheet piling, and lateral bracing systems in each area of excavation was based on the structural requirements for the depth of excavation, hydrostatic pressure, soil and surcharge loads. The lateral bracing systems that were employed included: tiebacks, deadman and/or struts depending on the loading and the area that was excavated.

Steel sheets were delivered to the site in welded form. The adjoining interlocks of driven welded pairs were sealed for their entire length with a hydrophilic joint sealant applied onsite, in accordance with the remedial design documents.

The sheet pile support system was installed in accordance with the Construction Drawings and specifications with minor field adjustments to account for field conditions. Vibration monitoring was conducted at adjacent utilities and structures to monitor the amount of vibration that was induced in those areas as a result of the sheet pile installation operations. Displacement monitoring was also conducted on the sheet pile support system during excavation and backfilling operations. Any movement of the sheet pile support system recorded during the duration of the project was within acceptable limits.

Approximately 77,500 square feet of sheeting was installed during the remediation. This sheeting remained in place after the completion of the excavation remedies and the majority of it, along the northern Site 117 boundary with Site 90, and along the Site 090/184/153 boundary with Route 440, forms the hydraulic barrier system for the Site. See **Figure 2** for a general layout of the hydraulic barrier. Temporary construction sheeting and shoring was also installed at interior portions of the site to assist in excavating deep soils. Following the completion of remediation activities only the internal bracing was salvaged; the remainder of the excavation sidewall support system was left in place. The interior sheeting similarly remained in place and is instrumental in preventing the recontamination of the excavated areas from any potential groundwater impacts originating under the capped area.

Construction Dewatering System Installation & Operation

Dewatering to facilitate the excavation of the Building 5 and Building 6 areas was required in order to lower the groundwater table. A construction dewatering system, consistent with the construction drawings, was installed and maintained by

the contractor. Five pump wells and associated observation wells were installed in the Building 5 excavation and two pump wells in the Building 6 excavation and associated observation wells. Additional pump wells were used occasionally at the direction of the Engineer as required by field conditions. The pump well layout shown on the construction drawings was based on groundwater modeling and addressed constructability and serviceability concerns. Localized sumps were also used as required, during excavation and backfilling activities. Groundwater extraction rates varied from approximately 10 gpm to 110 gpm, depending on site conditions, during excavation activities.

The dewatering system delivered the extracted groundwater to a Temporary Construction Water Treatment System. The system provided for 500,000 gallons of water, the settlement of sediment, and removal of solids via filtration using bag filters prior to discharge to the POTW. The Treatment System also included a Chemical Treatment train that could be activated if chromium effluent concentrations exceeded allowable discharge limits. Since the chromium concentrations in the effluent were consistently below the allowable discharge limits, there was no need to use the chemical treatment system.

Upon completion of excavation and backfill operations, pumping and observation wells were abandoned in accordance with NJDEP well abandonment procedures set forth in NJAC 7:9D. Records of well abandonment can be found in **Appendix O – Well Abandonment Records**.

RAOC (Building 5 & 6) Excavation

Excavation of chromium-containing soils classified as hazardous commenced on October 11, 2010 and was completed on February 21, 2011. The removal of this soil was performed in strict compliance with the 100% remedial design drawings that were submitted to the NJDEP (NJDEP June 2010). The soil was loaded into tri-axle dump trucks and shipped offsite to a rail transfer station, owned by Horwith Trucks, Inc, in Northampton, PA for transport to the contracted disposal facility, US Ecology, Inc., in Grand View, Idaho. Hazardous waste manifests and certificates of disposal are included as **Appendix E**.

A combination of direct loading and onsite soil stockpiling were utilized during the remedial action. The preferred method for offsite transportation and disposal of chromium impacted soils was direct loading to trucks from the point of excavation to

minimize stockpiling of soils onsite. There were certain, limited times when stockpiling had to occur, and in those cases, the excavated soils were placed in a secure area located zone within the CAOC, and managed in accordance with the approved SESP. Soil stockpiles were placed on plastic sheeting liners at grade and covered with plastic sheeting to minimize air-borne dust and stormwater runoff. Daily inspections of the sheeting liners and plastic sheeting were performed to ensure integrity of the cover.

Soils previously located within the Building 5 RAOC excavation included non-hazardous soils (chromium containing soil with hexavalent concentrations greater than 20 and less than 240 mg/kg), hazardous soils (chromium containing soil with hexavalent concentrations of 240 mg/kg and greater), and reuse soil (soil with hexavalent chromium concentrations of less than 20 mg/kg). (See Building 5 Soil Characterization Plan located in **Appendix C**.) Building 6 RAOC excavations included non-hazardous and hazardous soils. A portion of the Building 6 excavation included an area that was impacted by mercury. The mercury-impacted area was delineated prior to excavation, and removed consistent with NJCU requirements. Initial PDI information seemed to indicate that the meadow mat and organic silt associated with the meadow mat were discontinuous in the area of Building 6. However, during excavation activities, no gaps in the meadow mat were observed within the excavation area. Soil sampling for hexavalent chromium below the meadow mat confirmed that soil underneath the contiguous layer remained uncontaminated (which is consistent with historical findings at SA-7). Therefore the required excavations were only extended to the depth of the meadow mat (elevations ranging from + 0 - 2 mean sea level [MSL]). See Building 6 Soil Characterization Plan located in **Appendix C**.

In order to effectively mitigate dust generation associated with large open excavations, the demolition of existing building foundations and asphalt pavement occurred only as needed in order for the controlled progression of smaller open excavation areas. The excavation of Building 5 and Building 6 occurred simultaneously to the extent feasible and, as allowed by the installation of steel sheet piles, with work alternating between the two in order to maintain productivity. The general sequence of work began with excavation for tieback installation at Building 5, excavation for bracing installation at Building 6, excavation to maximum unbraced elevations within Building 5, completion of Building 6, then finally completion of Building 5.

Following completion of soil excavation, Kennon Surveying Services (KSS), surveyed the bottom of excavations. Based on the As-Built Survey from KSS, found in **Appendix B**, 34,320 cubic yards (CY) of chrome impacted soil was excavated from Building 5 and 5,251 CY from Building 6.

CAOC (Building 7) Excavation

Excavation of chromium –containing soils classified as hazardous commenced on March 7, 2011 and was completed on April 6, 2011. As with the RAOC excavations, the demolition of existing building foundations and asphalt pavement occurred only as needed in order to allow for the controlled progression of smaller open excavation areas to effectively mitigate dust generation associated with large open excavations. Because excavation within the cap area required a large amount of re-grading and surfaces to remain exposed for liner installation, Rusmar Foam™ was used as a preventative measure for dust mitigation and applied directly to open excavation faces.

The removal of these soils was performed based on pre-planned contours which were developed using numerous soil sample results. The area was re-graded ensuring all hazardous soils would be underneath predetermined cap subgrade elevations. Excess hazardous soils were direct-loaded into tri-axle dump trucks and shipped offsite. Hazardous waste manifests and certificates of disposal are included as **Appendix E**.

Additional focused soil excavation was performed in selected locations to provide clean utility corridors and coordinate the capping system with Site development features, as required by the NJCU redevelopment plans. Soils excavated for utility corridors was reused and consolidated underneath the cap where possible with excess soil transported offsite for disposal.

Following completion of hazardous soil excavation KSS surveyed the bottom of hazardous material/top of non-hazardous material interface. Approximately 5,676 CY of chromium impacted soils were removed from the Building 7 area. For the subgrade elevation information refer to As-Built Drawings located in **Appendix B**.

CAOC (Building 7) Cap Liner System Installation

The engineered barrier (cap) for chromium-containing soils was constructed consistent with applicable capping requirements of the Resource Conservation and Recovery Act (RCRA). The cap is designed to prevent direct contact exposure with the contaminated soils and infiltration of surface water. Institutional controls (Deed Notice) which are intended to prevent any unauthorized disturbance of the cap area, and thus protect the cap, are in place and a Long Term Monitoring and Maintenance Plan will be developed to monitor any unauthorized disturbance of the cap area. See **Appendix Q** for final draft deed notice. See **Appendix Q** for final draft deed notice.

The RCRA-type cap was constructed in accordance with project specifications and includes the following components:

- Base protective layer consisting of non-woven geotextile;
- Impervious linear low density polyethylene (LLDPE) geomembrane liner, minimum 40-mil (0.04 inch) thickness;
- Geo-composite drainage layer;
- Imported engineered clean drainage layer cover soil with a minimum thickness of one foot; and,
- Imported clean backfill material with one-foot thickness in areas where asphalt pavement was installed; and minimum two-foot thickness in areas where landscaping or lawn areas were installed in coordination with NJCU West Campus Redevelopment Plans.

The grading of the cap was adjusted from the 100% design to accommodate utilities anticipated in the final Site development plans and are documented in the project as-built drawings. Final cap grading was designed to direct all surface runoff to the perimeter drains.

Quality assurance/quality control requirements for construction activities were adhered to in strict compliance with the 100% design documents. In addition to Mactec quality control personnel, a liner quality control specialist from Geosyntec was onsite to provide contractor oversight during liner installation. Records for the liner QA/QC testing performed by Geosyntec and others can be found in **Appendix F – Cap Documentation**.

Backfill and Site Restoration

Backfill activities were conducted within the Building 5, Building 6, and Building 7 areas. Backfill operations commenced immediately upon completion of excavation activities within the Building 5 and 6 areas. At the bottom of the excavation within Building 5 and 6, it was necessary to place a bridging lift over the wet soils in order to mitigate possible compaction issues. Within the Building 5 excavation, the bridging lift material consisted of crushed concrete with a maximum sizing requirement of three inches that originated from an existing onsite debris stockpile. The bridging lift material that was placed within the Building 6 excavation consisted of a layer of 16 oz non-woven geotextile fabric and an approximately 12-inch layer of one-and-one-half inch clean stone.

All backfill material that was brought onsite was tested and certified “clean” relative to the NJDEP Technical Requirements pursuant to 7:26E 6.4(b) (NJDEP, 2003) as specified in the approved RAWP. Clean fill certifications were obtained from suppliers who provided the source location and certified that the soil material was virgin and free of any hazardous material or contaminants. A summary of fill source testing and clean certifications is provided in **Table 6** below.

Table 6 Fill Source Testing

| Source | Fill type | # samples During Remediation | Clean Fill Backup |
|---------------|---------------|------------------------------------|---|
| Armored | Common Borrow | 3 | Analytical, Inc Hex Chrome, Virgin Source certification |
| EME | Cover Soil | 2 | Analytical, Inc Hex Chrome |
| | Topsoil | 1 | Analytical, Inc Hex Chrome |
| Maddox | Cover soil | 1 | Analytical, Inc Hex Chrome |
| Tilcon | DGA stone | 3 | Analytical, Inc Hex Chrome, Virgin Source Certification |
| | Common Borrow | 1 | Analytical, Inc Hex Chrome, Virgin Source Certification |
| ID Site Soils | Soil Reuse | 1+ | Analytical, Inc Hex Chrome + RAWP Documentation |

Materials that were utilized to backfill the Building 5 excavation above the bridging lift included onsite overburden material and common borrow. Onsite overburden material describes the soil with hexavalent chromium concentrations of less than 20 mg/kg whose removal was necessary to facilitate the removal of chromium containing soils. Overburden material generated during the Building 5 excavation, was used as backfill within the Building 5 excavation at a depth of 6 feet below ground surface, with the upper 6 feet containing clean common borrow imported from Armored Aggregates, located in Jersey City, New Jersey. The common borrow is a processed material which is pulverized rock (tunnel rock) obtained from the tunneling work associated with the New Jersey Transit ARC Tunnel Project. The “tunnel rock” was approved for use by NJDEP and complied with the construction specification for compaction. The material that was used to backfill the Building 6 excavation above the bridging lift was also common borrow provided by Armored Aggregates. Backfill was placed in 12-inch loose lifts and then compacted to at least 95% maximum dry density in accordance with ASTM D698 as per the construction specification. Compaction was verified in the field using a nuclear surface moisture-density gauge in accordance with ASTM D 2922. Compaction test results are located in **Appendix D** – Backfill Documentation. The final six inches of the Building 5 and 6 areas were backfilled with three-quarter inch clean stone provided by Tilcon, Inc. from their Mount Hope quarry located in Wharton, NJ.

The materials that were used to backfill the Building 7 cap area consisted of cover soil, imported common borrow and topsoil. The cover soil was provided by Maddox Trucking, located in Lake Hopatcong, New Jersey. Cover soils were placed on top of the liner system in compacted lifts to a depth of 12-inches. Imported common borrow provided by Armored Aggregates was placed on top of the cover soil to a compacted depth of 12-inches. Topsoil was placed on the slopes of the Building 7 cap area and was provided by EME located in New Egypt, NJ.

In addition to the full suite of testing to meet NJDEP Technical Requirements, all imported material was subject to the requirement of complying with less than 1 mg/kg of hexavalent chromium in accordance with the provisions of the Consent Decree.

Approximately 72,549 tons of common borrow, 2,915 tons of certified clean one-and-one-half inch stone, 477 tons of topsoil, and 830 tons of drainage layer cover soil

were provided for the project. Final restoration details are provided in the as-builts, **Appendix B**.

Site restoration activities were performed during the demobilization phase of the project. Site restoration activities included the following:

- Decontamination and demobilization of all construction equipment and surplus materials;
- Decontamination, decommissioning and dismantlement of the construction wastewater treatment system;
- Replacement of the asphalt located at the Route 440 construction entrance;
- Repair of catch basin at the corner of Rt. 440 and Carbon Place;
- Relocation of the jersey barriers and chain-link fence to the property line boundary;
- Removal of temporary office trailers and power/phone service;
- Removal of traffic control features;
- Removal of construction debris;
- Disposal of other non-regulated waste;
- Seeding within the building 7 area; and
- Sweeping of all asphalt areas.

During the initial demobilization, the asphalt parking lot in the CAOC was temporarily covered with clean crushed stone until finalization of the parking lot light pole design and locations were completed by NJCU. With the finalization of the parking lot lighting plans, the installation of the light poles and asphalt paving was completed in December 2012.

2.1.10 Modifications and Field Changes to 100% Design

During implementation, encountered unforeseen conditions necessitated minor adjustments to the NJDEP approved RAWP. These items are summarized below and can be found in the Addendum register in **Appendix S**.

- Hydraulic barrier sealant application from factory installation to field installation after QA/QC testing indicated better results from factory installed sealant;
- Modifications in alignment of new sanitary sewer lateral across the site in order to match redevelopment utility plans. This realignment affected the cap sub-grade and sheet pile cutoff elevations;
- Modifications to finish grade elevations in the Building 6 area as per comments from NJDEP on Flood Hazard Permit Application;
- Revised bottom of excavation for building 6 to meadow mat as explained in Residential AOC / Building 6 excavation above;
- Revision to permanent groundwater extraction sump depths to allow for pumps that are required as per the updated groundwater modeling;
- The addition of a geocomposite clay layer in lower elevations of the liner for additional hydraulic barrier effectiveness;
- The installation of two piezometers, one each in Building 5 & 7, to aid in long-term monitoring groundwater elevations;
- Change to underground vault enclosure in lieu of using an above grade structure; and
- Underground concrete vault encasement in lieu of building for contingent groundwater extraction system.

These modifications are consistent with the RAOs for the project.

2.1.11 Other Remedial Actions Performed

As stated earlier, the Residential and Commercial AOC remedies were executed to meet the remedial action objectives identified in the approved RAWP. Honeywell also agreed, pursuant to Consent Decree requirements, to delineate soils in the RAOC to 5 mg/kg hexavalent chromium. Honeywell further agreed to excavate soils exceeding 5 mg/kg within the top 4' of the proposed redevelopment finished grades. These "Greater than 5 Soils," as described in the Consent Decree, encountered during construction of the Site-wide soil remedy were transported offsite as non-hazardous waste (approximately 9,400 of the 66,000 tons) as described in Section 2.1.13 below. This site-specific approach helped provide consistency with the

Historic Fill Remedy and enhanced NJCU's ability to conduct future expansions (i.e., re-grading, foundation/utility construction, etc.).

2.1.12 Items Encountered During Remediation Activities

During excavation activities, numerous unforeseen subsurface structures were encountered. This included foundations from previous structures, abandoned utilities, asphalt, and three underground storage tanks (USTs). Descriptions of the three are provided below.

UST in Building 5 Area Excavation

During excavation of the Building 5 area, a 1,000 gallon UST was uncovered at approximate Elevation +10 feet. The property owner, NJCU, was notified upon discovery and was the responsible party for the UST removal.

Underground Storage Tank was assumed to contain leaded gasoline and disposed of offsite. A NJ Division of Community Affairs (DCA) inspector was onsite to oversee the removal on December 22, 2010. A follow up inspection was performed on January 1, 2011 to inspect the surrounding area and collect sampling results and documentation. No contaminated soil or breaches in the tank were observed by the DCA representative. Copies of the inspection reports and certificates of approval are in **Appendix T – UST Documentation**.

USTs in Residential Areas of Concern Excavations

While performing excavation of soils to fulfill Consent Decree obligations as mentioned in Section 2.1.10 above, two USTs were uncovered at approximately 2.5-feet below ground surface in May 2011. NJCU was notified and, as the property owner, assumed responsibility for the removal of the tanks.

The two USTs were both steel in construction, approximately 500 gallons in size, and were situated end to end in the northeast corner of future Building 3. One tank was empty and the other had water in it with an odor comparable to petroleum. No stained soil was observed. The tanks were removed and staged on and covered by plastic against a concrete wall and on a concrete pad located next to the excavation. The location of each tank was surveyed by Kennon Surveying Services.

2.1.13 Offsite Transportation and Disposal

Hazardous waste disposal activities began on October 18, 2010. All hazardous soils were transported offsite for disposal at US Ecology's Grand View Idaho facility in accordance with all applicable regulations and requirements including USDOT, NJDOT, federal and state waste transporter regulations as well as requirements for containing, labeling, packaging, and transporting soil. Prior to excavation, waste classification sampling was conducted for the soils designated for offsite disposal, in accordance with US Ecology's Waste Acceptance Plan. Samples collected were sent to a laboratory for Toxicity Characteristic Leaching Procedure (TCLP) analysis, in accordance with the US Ecology's waste requirements, and included TCLP analysis for chromium. The final transportation of hazardous soils was completed on June 8, 2011. A complete summary of the Hazardous waste tracking information is provided in **Appendix E**.

Non-hazardous water disposal activities began on October 27, 2010. Water was collected and discharged from the onsite temporary construction water treatment system. Monthly discharge sampling was performed as per requirements of the PVSC discharge permit. Results can be found in **Table 4**. In addition, there were no discharges during rain events and a period of 24 hours afterwards as per conditions of the Jersey City Municipal Authority discharge permit.

All non-hazardous soils were shipped to New Jersey Meadowlands Commission's Keegan Landfill in Kearny, New Jersey (NJMC) or to the Middlesex County Landfill, New Jersey (MCL). Non-hazardous asphalt was recycled offsite at an approved facility and clean concrete was crushed and recycled onsite as bridging lift. Waste classification samples were collected and the analytical results submitted to NJMC and MCL to ensure compliance with their waste requirements. A complete summary of the non-hazardous waste tracking information is provided in **Appendix E**. Weights, disposal facilities, and transporters are summarized in **Tables 7A, 7B, and 7C** below.

Table 7A - Transportation & Disposal Quantity Summary

| Type | Disposal Facility | Total Weight (Tons) |
|------------------------|-------------------|---------------------|
| Hazardous Disposal | US Ecology | 26,176 |
| Non-Hazardous Disposal | NJMC | 6,003 |
| | MCL | 33,752 |
| TOTAL | | 65,931 |

Table 7B - Transportation & Disposal Facility Summary

| Type | Disposal Facility | Contact Address | Facility ID # |
|-------------------------------------|-----------------------------|---|---|
| Hazardous Treatment & Disposal | US Ecology | 20400 Lemley Road Grand View, ID 83624 | EPA ID: IDD073114654 |
| Non-Hazardous Disposal | NJMC | 1 DeKorte Park Plaza Lyndhurst, NJ 07071 | Facility ID # 0907001351 |
| Non-Hazardous Disposal | MCL | 53 Edgeboro Road East Brunswick, NJ 08816 | Facility ID # 1204001116 |
| Asphalt Debris (Recycling/Disposal) | Tilcon, Inc. | 411 Bergen Avenue Kearny, NJ 07032 | Facility ID#: 132238 NJDEP Permit #: CBG060002 |
| Non-Hazardous Sludge | Clean Earth of North Jersey | 105 Jacobus Avenue South Kearny, 07032 | EPA ID#: NJD991291105 |
| Non-Hazardous Sludge | G.R.O.W.S. Landfill | 1121 Bordentown Road Morrisville, PA 19067 | EPA ID#: PAD000429589 |

Table 7C - Transportation & Disposal Transporter Summary

| Transporter | Address | EPA ID Number | Material Transported |
|--------------------------------|--|---------------|---|
| Horwith Trucking | Route 329 Northampton, PA 18067 | PAD146714878 | Hazardous material to US Ecology |
| Veniero Trucking | 172 Passiac Avenue Belleville, NJ 07109 | N/A | Non-Hazardous soil to MCL |
| Rebco Contracting | 121 Avondale Avenue Clifton, NJ, 07013 | N/A | Non-Hazardous soil to NJMC |
| Auchter Industrial Vac Service | 24 Pluto Dr, Sewell, NJ 08080 | NJD980772768 | Hazardous material to Clean Earth of North Jersey |

3,577 gallons of liquid from the construction dewatering sedimentation tanks was transported and treated offsite at Clean Earth of New Jersey located in Kearny, NJ and disposed of at G.R.O.W.S. Landfill in Morrisville, PA. The waste manifests and

certificate of disposal are included with the hazardous waste manifests in **Appendix E**.

2.1.14 Contingent Groundwater Extraction System Installation

To accommodate redevelopment plans and the installation of the contingent groundwater extraction system, the sanitary sewer lateral previously aligned along the south and western edges of the property was realigned to run across the Site. The new sewer lateral runs from the manhole within the driveway of adjacent Site 117, across the eastern edge of the CAOC, to the existing manhole within Carbon Place. The combined sewer was installed as per Jersey City Municipal Utilities Authority standards.

Two sumps and pumps with accompanying electrical conduit and discharge piping were installed in coordination with the liner installation and backfill activities within the CAOC. The conduit and piping was installed to the southern property line at the western corner for future connection and installation of the treatment system vault housing on the adjoining property. The design of the groundwater extraction system can be found in **Appendix L**.

At the time of submission of this report, the installation of the contingent groundwater extraction system was performed under an easement obtained by Honeywell from the current owner. Since then, Honeywell applied for and received approval from the Jersey City Planning Board for subdividing the property on which the treatment system is located. This has been done in coordination with NJCU and takes into consideration the NJCU West Campus development plans.

The installation of the system was performed commencing in November with completion in February 2012. This work was performed in coordination with CAOC parking lot light pole installation on NJCU property. The work entailed excavation and placement of the underground concrete vault encasement which housed the system components, installation of pumps and sensors in the sumps, installation of sensor in the discharge manhole, tie-in to electrical service, testing, and commissioning of the system.

Commissioning of the system was certified by a Professional Engineer responsible for the system design and was completed December 16, 2011. The system was tested using a portable generator with a sufficient supply to replicate permanent service

conditions. Final completion was achieved with the receipt of the Certificate of Approval for electrical service from the New Jersey Department of Community Affairs on February 6, 2011 (see **Appendix L** for commissioning and final inspection report and the Certificate of Approval for electrical service).

Since pumps, electrical sensors and wiring may degrade if allowed to remain inactive for an extended period of time; sensor and pump portions of the system have been removed and will be re-installed following a need to implement the contingent groundwater collection system. All permits have been obtained and will remain in place for possible future discharge of the contingent groundwater extraction system.

2.1.15 Sustainability Efforts During Remedial Action

Under Honeywell's stewardship the remediation process was integrated into the overall vision for the Jersey City west side redevelopment by incorporating a sustainable design approach which focused on conservation of natural resources through beneficial reuse, recycling, minimization of ongoing energy consumption and reduction in carbon footprint. Specifically Honeywell's sustainable remediation efforts integrated:

- Use of renewable B-20 Biodiesel in lieu of conventional fossil fuel based petro-diesel in construction equipment,
- Use of Low NOx emission hazardous waste transportation trucks,
- Crushing and recycling of demolition generated clean concrete as clean fill material,
- Beneficial reuse of non-hazardous soils shipped to Middlesex County Landfill as landfill cover, and
- Recycling of demolition generated clean asphalt to a certified recycling facility.

3.0 POST EXCAVATION CONFIRMATION SAMPLING

Honeywell conducted a pre-excavation sampling program to establish the limits of excavation and eliminate the need for post-excavation sampling during excavation as per the approved Remedial Action / Remedial Action Selection Report / Remedial Action Work Plan, 2007. The limits of excavation (both horizontal and vertical) were pre-determined based on pre-excavation sampling and existing RI data as per the approved Chromium Remedy 100% Design Report, 2010.

Pre-excavation side-wall soil samples were taken along the proposed perimeter of the excavation at an average frequency equivalent to post-excavation requirements (i.e., one soil boring per 30 lineal feet of perimeter). Post-excavation soil sample locations are depicted on **Figures 3A, 3B, 3C, 3D and 3E**. The samples were analyzed for hexavalent chromium. This data was used to demarcate the limits of the excavation, and was recorded on the as-built drawing of the remediated area

The horizontal limits of the excavations (approximate perimeter 3,248 feet) were determined by 'clean' sampling results obtained at 117 boring locations (**Figures 3A, 3B, 3C, 3D and 3E**). The resulting sampling frequency (1 sample per 28 feet of excavation perimeter) exceeds the minimum confirmatory sampling frequency specified in the Technical Requirements N.J.A.C. 7:26E-6.4 (1 sample per 30 feet of excavation sidewall).

The vertical limits of the excavation (maximum 20 feet depth) were determined by 'clean' sampling results obtained from one hundred and twenty one (121) boring locations (**Figures 3A, 3B, 3C, 3D and 3E**). The total area designated for removal is approximately 93,663 square feet, which corresponds to a minimum of 104 excavation bottom samples, per the minimum confirmatory sampling frequency specified in the Technical Requirements N.J.A.C. 7:26E-6.4 for excavations (1 sample per 900 square feet of excavation floor). The sampling frequency achieved (1 sample per 774 square feet of excavation floor) exceeds the minimum confirmatory sampling frequency specified in the Technical Requirements. Post-excavation sample results are summarized in **Tables 1 and 2** and provided in detail in **Appendix M**

4.0 POST REMEDIATION OPERATION & MAINTENANCE

Following completion of the remedial actions, including installation of the groundwater extraction system which is to be operated on a contingent basis, a post-remediation long term monitoring program will be implemented, that is consistent with the approved 2007 RAWP.

The Post-Remediation Long Term Monitoring Plan (LTMP) was developed in June 2011 as per requirements of the Consent Decree, to address the following components of this remedial action:

- Monitor groundwater quality within the remediated areas;
- Monitor contaminant levels down gradient of the hydraulic barrier;
- Monitor the effectiveness and condition of the hydraulic barrier; and
- Monitor the condition of the site cap.

The LTMP and the triggers for contingent operation of the groundwater extraction system are still undergoing revision and approval by the Plaintiffs. Honeywell agrees that the LTMP, once finalized based on Plaintiff's input, will be the governing document for the contingent operation of the groundwater extraction system.

Following NJDEP review of the initial submission of this RAR (March 2012) for Soils, Honeywell submitted an application for a Soil Remedial Action Permit to the NJDEP and was issued a corresponding permit on May 4, 2012 (Permit# RAP120001) for future monitoring and reporting.

Monitoring of Chromium Levels in Groundwater

A Regional CEA was approved by NJDEP on February 16, 2012 and addresses impacts in the shallow groundwater bearing zone. Additional CEAs were approved by NJDEP at the same time for the intermediate and deep groundwater bearing zones which are not addressed in this RAR. See **Appendix R** for a copy of the Regional CEA. It is anticipated that Honeywell will submit an application for a

Groundwater Remedial Action Permit for future monitoring and reporting associated with CEA requirements for the Site.

The groundwater extraction system components include three sentinel wells, two piezometers, two sumps with level sensors, and a subsurface vault which houses the extraction system components. The three sentinel wells (184-MW-04, 184-MW-05, and 184-MW-06) were installed east of the commercial CAOC to monitor groundwater. In accordance with the RAWP and LTMP.

In accordance with Paragraph 99(g) of the Consent Decree, and in accordance with the approved RAWP, groundwater levels will be monitored quarterly beginning in March 2012 to ensure that the remedial objectives of the remedy are maintained. The contingency groundwater extraction system will be activated based upon two triggers, hydraulic gradient and groundwater quality. The 2011 version of the LTMP focused on monitoring water levels only and contained the “Contingent Groundwater Pumping Triggers Document” identifying the criteria triggering activation of the treatment system, including groundwater gradient and quality. A copy of the “Contingent Groundwater Pumping Triggers Document” from the 2011 version of the LTMP is included in **Appendix L**.

Certification as to the adequacy of engineering and institutional controls is required to be conducted on a biennial basis (every two years). Biennial Certification Reports for the CEA shall be completed by Honeywell as per requirements of the CEA. The CEA may need to be modified based on future groundwater monitoring data.

Monitoring the Condition of the Site Cap

The Site cap will be inspected quarterly to ensure that it maintains structural and functional integrity. Evidence of settlement, breaching, alteration, obstruction of drainage, etc., will be identified, recorded and evaluated as to its impact on the cap. If needed, appropriate repairs will be made. The LTMP details periodic maintenance activities, such as removal of debris from drains, resurfacing, etc. Quarterly visual inspections will inspect the following at a minimum:

- Chromium remedy integrity;
- Surface grades;
- Differential settlement;
- Disturbance;

- Burrowing animals; and
- Vegetative cover.

The post-remediation inspection and monitoring activities will be documented in quarterly and annual reports with biennial certification reports to be submitted to the NJDEP beginning in May 4, 2014 in accordance with the issued Soil Remedial Action Permit.

The LTMP has been resubmitted to the Plaintiffs following response to their initial comments and appropriate revisions made to the document.

5.0 REMEDIAL ACTION COSTS

The total cost incurred by Honeywell for the Soil and Ground Water remedial action at the Site is provided below. (Rounded to the nearest million)

| | | |
|-----------------------------------|-----------|-------------------|
| Construction Costs | \$ | 17,000, 000 |
| Soil Disposal | \$ | 8,000,000 |
| Oversight/Construction Management | \$ | 5,000,000 |
| Total Cost | \$ | 30,000,000 |

6.0 CONCLUSIONS & RECOMMENDATIONS

The remedial activities conducted from August 2010 to final completion in February 2012 satisfied the requirements for remediation set forth in the NJDEP-approved RAWP (Mactec 2007). The remedial action conformed to the Technical Requirements for Site Remediation, the ACO between NJDEP and Honeywell and the Consent Decree between Honeywell and the Plaintiff Parties.

Chromium-containing soils (those soils exceeding 20 mg/kg hexavalent chromium) were removed as part of the remedial action and the CAOC was capped in conformance with the provisions of the approved RAWP and the 100% Design for the Site. Over 14,500 CY (approximately 26,300 tons) of impacted soil was removed and transported for offsite disposal. In addition, as part of conducting the remediation, approximately 10,400,000 gallons of chromium containing groundwater was extracted as part of the dewatering operations to enable the excavation to occur. This action removed a significant amount of contaminant mass from the Site.

The physical containment separating Site 117 (former Ryerson Steel site) and Site 153 (former Morris Canal Northern Segment) from Site 090 (former Baldwin Steel site) and Site 184 (former M.I. Holdings), the soil remedial actions (soil excavation, capping, dewatering), and the establishment of institutional controls (Regional CEA) have addressed impacted groundwater. It is anticipated that groundwater quality will improve as a result of the significant amount of chromium impacted soil that was removed as part of the soil remedial actions. The hydraulic barrier will restrict any potential offsite migration of hexavalent chromium in groundwater. Post-

remediation groundwater sampling is being implemented in accordance with the 100% Remedial Design Document dated June 2010 in order to monitor groundwater quality following removal of chromium-impacted soils, and to determine the need for contingent groundwater extraction based on triggering criteria described in Section 4.0. Honeywell will submit an addendum to this report detailing groundwater conditions following post-remediation groundwater monitoring.

The March 2012 submission of this RAR was distributed to the NJDEP, Plaintiffs, and NJCU respectively. Comment letters were received from each of the three parties and have been formally responded to by Honeywell. Copies of comment and response letters have been previously transmitted to all parties.

Based on completion of the remedial actions for chromium at the Site as documented in the March 2012 RAR and comment response letters, Honeywell received from NJDEP a NFA letter for soils on May 7, 2012.

This version of the RAR is being submitted as the final version which incorporates revisions made to the March 2012 RAR as a result of comments received from NJDEP, Plaintiffs, and NJCU respectively.

7.0 REFERENCES

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8.0 LIST OF ACRONYMS & ABBREVIATIONS

| | | | |
|--------------------------|---|------|--|
| ACO | Administrative Consent Order | RA | Remedial Action |
| AOC | Area of Concern | RAOC | Residential Area of Concern |
| | | RAOs | Remedial Action Objectives |
| | | RAR | Remedial Action Report |
| BMUA | Bayonne Municipal Utilities Authority | RAWP | Remedial Action Work Plan |
| | | RI | Remedial Investigation |
| | | RIR | Remedial Investigation Report |
| CAOC | Commercial Area of Concern | | |
| CEA | Classification Exception Area | SRIR | Supplemental Remedial Investigation Report |
| COCs | Contaminant of Concern | | |
| COPR | Chromite Ore Processing Residue | TCLP | Toxicity Characteristic Leaching Procedure |
| CY | Cubic Yards | | |
| | | | |
| GWQS | Ground Water Quality Standards | | |
| | | | |
| HASP | Health and Safety Plan | | |
| | | | |
| $\mu\text{g}/\text{m}^3$ | micrograms per cubic meter | | |
| mg/kg | milligrams per kilogram | | |
| | | | |
| NFA | No Further Action | | |
| N.J.A.C. | New Jersey Administrative Code | | |
| NJCU | New Jersey City University | | |
| NJDEP | New Jersey Department of Environmental Protection | | |
| | | | |
| ppm | parts per million | | |
| PVSC | Passaic Valley Sewerage Commission | | |

TABLES

STUDY AREA 5 REMEDIAL ACTION REPORT
FORMER BALDWIN STEEL SITE (NJDEP SITE 090)
FORMER MI HOLDINGS SITE (NJDEP SITE 184)
FORMER MORRIS CANAL SITE (NJDEP SITE 153)
JERSEY CITY, NEW JERSEY

TABLE 1B-1
Post-Excavation Sampling Analytical Results
Study Area 5 Sites 90 and 184
Building Area 5

| Boring Location | Sample Interval (ft-bgs) | Sample Interval (ft-Elev.) | Sample Delivery Group | Lab Sample ID | Hexavalent Chromium (mg/kg) | Sidewall Sample | Bottom Sample |
|-----------------|-----------------------------|-------------------------------|--------------------------|---------------|-----------------------------------|--------------------|------------------|
| 090-E3-2 | 12-14 | 5.0 - 3.0 | J73987 | J73987-4 | 1.2U | X | |
| 090-E3-3 | 18-20 | (-0.7) - (-1.2) | J73985 | J73985-7 | 1.2U | X | X |
| 090-E4-2 | 18-20 | (-1.5) - (-2.0) | J73985 | J73985-3 | 1.7U | X | X |
| 090-E6-1 | 16-18 | 1.1 - 0.6 | J73985 | J73985-10 | 17.7 | | X |
| 090-E9-1 | 02-04 | 14.7 - 14.2 | J73985 | J73985-12 | 1.0U | X | |
| 090-E9-2 | 02-04 | 14.8 - 14.3 | J73985 | J73985-13 | 1.1U | X | |
| 090-PE-08 | 00-02 | 15.5 - 15.0 | J73270 | J73270-2 | 4.6 | X | |
| 090-PE-09 | 00-02 | 16.4 - 15.9 | J73270 | J73270-3 | 2.1J | X | |
| 090-PE-10 | 00-02 | | | | 2.8J | X | |
| 090-PE-12 | 00-02 | 15.6 - 15.1 | J73270 | J73270-7 | 5.8J | X | |
| 090-PE-12 | 12-14 | 4.6 - 4.1 | J73270 | J73270-9 | 1.2UJ | | |
| 090-PE-15 | 00-02 | 15.4 - 14.9 | J73270 | J73270-14 | 14.3J | X | |
| 090-PE-16 | 00-02 | 15.9 - 15.4 | J73380 | J73380-1 | 2.4 | X | |
| 090-PE-17 | 00-02 | 14.8 - 14.3 | J73380 | J73380-3 | 7 | X | |
| 090-PE-18 | 02-04 | 13.5 - 13.0 | J73380 | J73380-5 | 4.5 | X | |
| 090-PE-19 | 02-04 | 14.9 - 14.4 | J73380 | J73380-7 | 9 | X | |
| 090-PE-21 | 02-04 | 15.6 - 15.1 | J73380 | J73380-10 | 2.8 | X | |
| 090-PE-23 | 00-04 | 14.7 - 14.2 | J74293 | J74293-3 | 2.2 | X | |
| 090-PE-23 | 04-08 | 10.2 - 9.7 | J74293 | J74293-4 | 1.3 | | X |
| 090-PE-26 | 12-16 | 2.1 - 1.6 | J74293 | J74293-7 | 1.1U | X | |
| 090-PE-27 | 12-16 | 1.4 - 0.9 | J74293 | J74293-9 | 4.5 | X | X |
| 090-PE-28 | 12-16 | 2.2 - 1.7 | J74293 | J74293-10 | 13.4 | | X |
| 090-PE-29 | 12-16 | 4.9 - 4.4 | J74293 | J74293-11 | 4 | | X |
| 090-PE-31 | 14-16 | 2.7 - 2.2 | J74428 | J74428-2 | 5.9 | | X |
| 090-PE-32 | 14-16 | 2.8 - 2.3 | J74428 | J74428-4 | 11.5 | | X |
| 090-PE-34 | 08-12 | 8.6 - 8.1 | J74428 | J74428-8 | 1.2U | X | |
| 090-PE-35 | 08-12 | 13.8 - 13.3 | J74428 | J74428-9 | 1.2UJ | X | |
| 090-PE-36 | 00-02 | 15.4 - 14.9 | J74428 | J74428-12 | 3.2 | X | |
| 090-PE-37 | 00-02 | 15.2 - 14.7 | J74428 | J74428-13 | 17.8 | X | |
| 090-PE-42 | 00-02 | 16.5 - 16.0 | J74428 | J74428-20 | 2.4 | X | |
| 090-SB-003 | 14-16 | 3.9 - 1.9 | W815 | 624944 | 12.2J | | X |
| 090-SB-004 | 00-02 | 16.0 - 15.0 | W815 | 624945 | 8.5J | X | |
| 090-SB-004 | 02-04 | 15.0 - 13.0 | W815 | 624946 | 2UJ | | |
| 090-SB-004 | 08-10 | 9.0 - 7.0 | W815 | 624948 | 2UJ | | |
| 090-SB-004 | 12-14 | 5.0 - 3.0 | W815 | 624949 | 2UJ | | |
| 090-SB-004 | 14-16 | 3.0 - 2.0 | W815 | 624950 | 2UJ | | |
| 090-SB-011 | 00-02 | 15.9 - 15.4 | Z277 | 783004 | 2.11U | X | |
| 090-SB-011 | 02-04 | 13.9 - 13.4 | Z277 | 783005 | 2.17UJ | | |
| 090-SB-011 | 04-06 | 11.4 - 10.9 | Z277 | 783006 | 2.31UJ | | |
| 090-SB-011 | 06-08 | 9.9 - 9.4 | Z277 | 783007 | 2.31UJ | | |
| 090-SB-011 | 08-10 | 8.9 - 8.4 | Z277 | 783008 | 5.4J | | |
| 090-SB-011 | 10-12 | 5.4 - 4.9 | Z277 | 783009 | 14.4J | | X |
| 090-SB-013 | 00-02 | 16.2 - 15.7 | Z277 | 783010 | 9.1J | X | |
| 090-SB-013 | 02-04 | 14.7 - 14.2 | Z277 | 783011 | 2.42UJ | | |
| 090-SB-013 | 04-06 | 11.7 - 11.2 | Z277 | 783012 | 2.31UJ | | |
| 090-SB-013 | 06-08 | 10.2 - 9.7 | Z277 | 783013 | 2.4UJ | | |
| 090-SB-013 | 0-810 | 9.2 - 8.7 | Z277 | 783014 | 2.48UJ | | |
| 090-SB-013 | 10-12 | 5.7 - 5.2 | Z277 | 783015 | 3.3J | | |

TABLE 1B-1
Post-Excavation Sampling Analytical Results
Study Area 5 Sites 90 and 184
Building Area 5

| Boring Location | Sample Interval (ft-bgs) | Sample Interval (ft-Elev.) | Sample Delivery Group | Lab Sample ID | Hexavalent Chromium (mg/kg) | Sidewall Sample | Bottom Sample |
|-----------------|-----------------------------|-------------------------------|--------------------------|---------------|-----------------------------------|--------------------|------------------|
| 090-SB-022 | 14-16 | 3.8 - 1.8 | L612 L6123 | 446476 | 4.4 | | X |
| 090-SB-B10 | 10-12 | 8.2 - 6.2 | 1340 U6642 | 446477 | 12.8 | | X |
| 090-SB-I13 | 16-18 | 1.2 - (-0.8) | R568 R5681 | 472828 | 17 | | X |
| 090-WC-A4B | 10-12 | (-1.3) - (-1.8) | JA51506 | JA51506-29 | 6.5 | | X |
| 090-WC-A5B | 08-10 | 8.9 - 8.4 | JA51506 | JA51506-35 | 5.3 | | X |
| 090-WC-A6A | 08-10 | 9.5 - 9.0 | JA51506 | JA51506-38 | 2 | | X |
| 090-WC-C2B | 18-20 | 0.0 - (-0.5) | JA51523 | JA51523-14 | 1.3 | | X |
| 090-WC-C3A | 18-20 | 0.1 - (-0.4) | JA51523 | JA51523-16 | 1.9 | | X |
| 090-WC-C4B | 12-14 | 4.6 - 4.1 | JA51523 | JA51523-21 | 1.2 | X | |
| | | | | | Total Soil Samples | 27 | 19 |

| | |
|--|---------------|
| Excavation Bottom Area (SF) | 16,772 |
| Excavation Perimeter (ft) | 822 |
| Total Sidewall Soil Samples /LF | 30 |
| Total Bottom Soil Samples /SF | 883 |

Notes:

U = Compound was not detected. The Practical Quantitation Limit for Hexavalent Chromium is 2 mg/kg.

J = Data indicates the presence of a compound that meets the identification criteria. The concentration given is an approximate value.

Prepared by: TG

Checked by: BS

TABLE 1B-2
Post-Excavation Sampling Analytical Results
Study Area 5 Sites 90 and 184
Building Area 6

| Boring Location | Sample Interval (ft-bgs) | Sample Interval (ft-Elev.) | Sample Delivery Group | Lab Sample ID | Hexavalent Chromium (mg/kg) | Sidewall Sample | Bottom Sample |
|-----------------|-----------------------------|-------------------------------|--------------------------|---------------|-----------------------------------|--------------------|------------------|
| 184-PE-01 | 06-08 | 1.4 - 0.9 | J72933 | J72933-1 | 2.2 | X | |
| 184-PE-01 | 08-10 | 0.4 - (-0.1) | J72933 | J72933-2 | 3.1U | | X |
| 184-PE-02 | 04-06 | 3.1 - 2.6 | J72933 | J72933-3 | 2.4U | X | |
| 184-PE-03 | 04-06 | 4.4 - 3.9 | J72933 | J72933-4 | 1.5U | X | |
| 184-PE-04 | 02-04 | 6.4 - 5.9 | J72933 | J72933-5 | 1.2UJ | X | |
| 184-PE-05 | 02-04 | 6.6 - 6.1 | J72933 | J72933-6 | 1.2U | X | |
| 184-PE-06 | 04-06 | 3.9 - 3.4 | J72933 | J72933-7 | 1.7UJ | X | |
| 184-PE-07 | 04-06 | 4.5 - 4.0 | J72933 | J72933-8 | 1.3UJ | X | |
| 184-PE-07 | 06-08 | 2.0 - 1.5 | J72933 | J72933-9 | 1.2UJ | | |
| 184-PE-07 | 08-10 | (-0.5) - (-1.0) | J72933 | J72933-10 | 1.2U | | X |
| 184-PE-08 | 08-10 | 0.4 - (-0.1) | J73104 | J73104-6 | 1.2U | | X |
| 184-PE-09 | 08-10 | 0.3 - (-0.2) | J74301 | J74301-1 | 2.5U | | X |
| 184-PE-11 | 04-06 | 2.7 - 2.2 | J74301 | J74301-2 | 1.4U | X | |
| 184-PE-14 | 08-10 | (-0.9) - (-1.4) | J74301 | J74301-6 | 1.3U | | X |
| 184-PE-15 | 08-10 | (-1.0) - (-1.5) | J74301 | J74301-9 | 1.1U | | X |
| 184-SB-A01 | 10-12 | (-2.0) - (-2.5) | E531 E5313 | 65153 | 2UJ | | X |
| 184-SB-A02 | 10-12 | (-1.6) - (-2.1) | E531 E5313 | 65160 | 2UJ | | X |
| 184-SB-A03 | 08-10 | 0.5 - 0.0 | E531 E5313 | 65167 | 2UJ | | X |
| 184-SB-A05 | 10-12 | (-1.2) - (-1.7) | E531 E5314 | 65180 | 9.6J | | X |
| 184-SB-02 | 00-02 | 8.2 - 7.7 | L725 L7251 | 446892 NA | 2UJ | X | |
| 184-SB-02 | 02-04 | 6.2 - 5.7 | L725 L7251 | 446893 NA | 2UJ | | |
| 184-SB-02 | 04-06 | 4.2 - 3.7 | L725 L7251 | 446894 NA | 2.8J | | |
| 184-SB-02 | 06-08 | 2.2 - 1.7 | L725 L7251 | 446895 NA | 2UJ | | |
| 184-SB-02 | 08-10 | 0.2 - (-0.3) | L725 L7251 | 446896 NA | 2UJ | | X |
| 184-SB-06 | 00-02 | 8.6 - 8.1 | Q378 Q3781 | 467344 | 11.4J | X | |
| 184-SB-06 | 02-04 | 6.6 - 6.1 | Q378 Q3781 | 467345 | 4J | | |
| 184-SB-06 | 04-06 | 4.6 - 4.1 | Q378 Q3781 | 467346 | 2UJ | | |
| 184-SB-06 | 06-08 | 2.6 - 2.1 | Q378 Q3781 | 467347 | 2UJ | | |
| 184-SB-06 | 08-10 | 0.6 - 0.1 | Q378 Q3781 | 467348 | 2UJ | | X |
| 184-SB-07 | 10-12 | (-2.0) - (-2.5) | Q687 Q6871 | 468738 | 2UJ | | X |
| 184-SB-08 | 08-10 | 0.4 - (-0.1) | Q559 Q5591 | 468289 | 2U | | X |
| 184-SB-11 | 08-10 | 0.7 - 0.2 | Q378 Q3781 | 467338 | 2U | | X |
| 184-SB-12 | 08-10 | 0.1 - (-0.4) | R653 R6531 | 473091 | 2U | | X |
| | | | | | Total Soil Samples | 10 | 16 |

| | |
|--|---------------|
| Excavation Bottom Area (SF) | 14,085 |
| Excavation Perimeter (ft) | 300 |
| Total Sidewall Soil Samples /LF | 30 |
| Total Bottom Soil Samples /SF | 880 |

Notes:

U = Compound was not detected. The Practical Quantitation Limit for Hexavalent Chromium is 2 mg/kg.

J = Data indicates the presence of a compound that meets the identification criteria. The concentration given is an approximate value.

Prepared by: TG
Checked by: BS

TABLE 1B-3
Post-Excavation Sampling Analytical Results
Study Area 5 Sites 90 and 184
Building Area 1

| Boring Location | Sample Interval (ft-bgs) | Sample Interval (ft-Elev.) | Sample Delivery Group | Lab Sample ID | Hexavalent Chromium (mg/kg) | Sidewall Sample | Bottom Sample |
|-----------------|-----------------------------|-------------------------------|--------------------------|---------------|-----------------------------------|--------------------|------------------|
| 184-SB-14 | 02-04 | 18.8 - 18.3 | T291 | 607059 | 2.4J | | X |
| 184-SB-036 | 00-02 | 19.8 - 19.3 | JA48238 | JA48238-1 | 8.9 | X | |
| 184-SB-052A | 00-01 | 23.1 - 22.6 | JA51118 | JA51118-1 | 15 | X | |
| 184-SB-052A | 01-02 | 22.1 - 21.6 | JA51118 | JA51118-2 | 1.4 | | X |
| 184-SB-078 | 00-01 | 23.4 - 22.9 | JA52413 | JA52413-7 | 11.6J | X | |
| 184-SB-081 | 01-02 | 22.5 - 22.0 | JA56730 | JA56730-5 | 9.6 | | X |
| 184-SB-082 | 00-01 | 5.6 - 5.1 | JA56730 | JA56730-8 | 3.3 | X | |
| 184-SB-082 | 01-02 | 4.6 - 4.1 | JA56730 | JA56730-9 | 8.5 | | X |
| 184-SB-083 | 00-01 | 12.1 - 11.6 | JA60060 | JA60060-1 | 1.7 | X | |
| 184-SB-083 | 01-02 | 11.6 - 11.1 | JA60060 | JA60060-2 | 4.7J | | X |
| 184-SB-084 | 00-01 | 9.1 - 8.6 | JA60060 | JA60060-5 | 13.7J | X | |
| 184-SB-084 | 01-02 | 10.6 - 10.1 | JA60060 | JA60060-6 | 2J | | X |
| 184-SB-087 | 02-03 | (-1.5) - (-2.0) | JA60060 | JA60060-19 | 1.2 | X | |
| 184-SB-088 | 01-02 | 23.0 - 22.5 | JA60060 | JA60060-21 | 0.95 | X | |
| 184-SB-089 | 00-01 | 23.5 - 23.0 | JA60060 | JA60060-24 | 12.9 | X | |
| 184-SB-094 | 01-02 | 23.0 - 22.5 | JA60323 | JA60323-6 | 8.6J | X | |
| 184-SB-095 | 01-02 | 23.0 - 22.5 | JA60323 | JA60323-10 | 0.77J | X | |
| 184-SB-096 | 02-03 | 2.5 - 2.0 | JA60323 | JA60323-15 | 7 | | X |
| 184-SB-110 | 03-04 | 21.0 - 20.5 | SAH10 | 6153148 | 7.2J | | X |
| 184-SB-111 | 03-04 | 14.5 - 14.0 | SAH10 | 6153149 | 2.2BJ | | X |
| 184-SB-112 | 03-04 | 6.9 - 6.4 | SAH10 | 6153150 | 6.8J | | X |
| 184-SB-113 | 03-04 | 4.3 - 3.8 | SAH18 | 6158351 | 0.55J | X | |
| 184-SB-118 | 02-03 | 11.6 - 11.1 | SAH18 | 6158363 | 4.2 | X | |
| 184-SB-119R | 05-06 | 8.3 - 7.8 | SAH22 | 6168148 | 1.5 | | X |
| 184-SB-120 | 02-03 | 13.5 - 13.0 | SAH11 | 6153183 | 3.4 | X | |
| 184-SB-120 | 03-04 | | SAH19 | 6158416 | 10.7 | | X |
| 184-SB-121 | 02-03 | 17.8 - 17.3 | SAH11 | 6153182 | 6.9 | X | |
| 184-SB-121 | 03-04 | 16.8 - 16.3 | SAH18 | 6158361 | 3.1 | | X |
| 184-SB-122 | 02-03 | 21.7 - 21.2 | SAH11 | 6153181 | 0.33J | X | |
| 184-SB-122 | 03-04 | 20.7 - 20.2 | SAH18 | 6158360 | 0.21U | | X |
| 184-SB-123 | 02-03 | 22.0 - 21.5 | SAH11 | 6153180 | 0.63J | X | |
| 184-SB-123 | 03-04 | 21.0 - 20.5 | SAH18 | 6158359 | 0.21U | | X |
| 184-SB-124 | 01-02 | 22.9 - 22.4 | SAH05 | 6148881 | 2.4J | X | |
| 184-SB-124 | 02-03 | 21.9 - 21.4 | SAH11 | 6153179 | 1.5 | | X |
| 184-SB-125 | 01-02 | 22.8 - 22.3 | SAH05 | 6148876 | 5.7J | X | |
| 184-SB-125 | 02-03 | 21.8 - 21.3 | SAH11 | 6153178 | 2.4 | | X |
| 184-SB-133 | 02-03 | 21.0 - 20.5 | SAH10 | 6153143 | 2.5BJ | X | |
| 184-SB-133 | 03-04 | | SAH19 | 6158410 | 0.75JB | | X |

TABLE 1B-3
Post-Excavation Sampling Analytical Results
Study Area 5 Sites 90 and 184
Building Area 1

| Boring Location | Sample Interval (ft-bgs) | Sample Interval (ft-Elev.) | Sample Delivery Group | Lab Sample ID | Hexavalent Chromium (mg/kg) | Sidewall Sample | Bottom Sample |
|-----------------|-----------------------------|-------------------------------|--------------------------|---------------|-----------------------------------|--------------------|------------------|
| 184-SB-164 | 02-03 | 20.6 - 20.1 | SAH22 | 6165419 | 0.98J | | X |
| 184-SB-166 | 01-02 | 19.0 - 18.5 | SAH22 | 6165417 | 15.3 | X | |
| 184-SB-174 | 02-03 | 20.3 - 19.8 | SAH24 | 6178115 | 12J | X | |
| 184-SB-175 | 01-02 | 21.0 - 20.5 | SAH20 | 6163156 | 0.88J | X | |
| | | | | | Total Soil Samples | 23 | 19 |

| | |
|--|--------------|
| Excavation Bottom Area (SF) | 8,432 |
| Excavation Perimeter (ft) | 539.6 |
| Total Sidewall Soil Samples /LF | 23 |
| Total Bottom Soil Samples /SF | 444 |

Notes:

U = Compound was not detected. The Practical Quantitation Limit for Hexavalent Chromium is 2 mg/kg.

J = Data indicates the presence of a compound that meets the identification criteria. The concentration given is an approximate value.

Prepared by: TG

Checked by: BS

TABLE 1B-4
Post-Excavation Sampling Analytical Results
Study Area 5 Sites 90 and 184
Building Area 2

| Boring Location | Sample Interval (ft-bgs) | Sample Interval (ft-Elev.) | Sample Delivery Group | Lab Sample ID | Hexavalent Chromium (mg/kg) | Sidewall Sample | Bottom Sample |
|-----------------|-----------------------------|-------------------------------|--------------------------|---------------|-----------------------------------|--------------------|------------------|
| 090-SB12-PE1 | 00-02 | 17.1 - 16.6 | J73624 | J73624-42 | 8.2 | X | |
| 090-SB12-PE2 | 00-02 | 17.0 - 16.5 | J73624 | J73624-47 | 3.1 | X | |
| 090-SB12-PE3 | 00-02 | 16.9 - 16.4 | J73624 | J73624-46 | 16 | X | |
| 090-SB12-PE4 | 00-02 | 16.9 - 16.4 | J73624 | J73624-44 | 6.1 | X | |
| 090-SB-119 | 01-02 | 15.2 - 14.7 | JA41358 | JA41358-8 | 1.4 | | X |
| 090-SB-122 | 00-01 | 15.5 - 15.0 | JA48337 | JA48337-3 | 1.6 | X | |
| 090-SB-123 | 00-01 | 15.6 - 15.1 | JA48337 | JA48337-4 | 16.8 | | X |
| 090-SB-137A | 00-01 | 15.7 - 15.2 | JA51117 | JA51117-1 | 1.9 | X | |
| 090-SB-139A | 00-01 | 16.1 - 15.6 | JA51117 | JA51117-3 | 1.5 | X | |
| 090-SB-140A | 00-01 | 15.6 - 15.1 | JA51117 | JA51117-5 | 0.85U | X | |
| 090-SB14-PE3 | 00-02 | 19.7 - 19.2 | J73624 | J73624-39 | 14 | X | |
| 090-SB14-PE4 | 00-02 | 19.7 - 19.2 | J73624 | J73624-40 | 6.1 | X | |
| 090-SB-155 | 00-01 | 18.8 - 18.3 | JA60060 | JA60060-48 | 5.5 | X | |
| 090-SB-155 | 02-03 | 16.8 - 16.3 | JA60060 | JA60060-50 | 2.9 | | X |
| 090-SB-158 | 00-01 | 17.3 - 16.8 | JA60325 | JA60325-3 | 8.6J | X | |
| 090-SB-169 | 00-01 | 20.4 - 19.9 | JA60044 | JA60044-6 | 11.2 | X | |
| 090-SB-169 | 01-02 | 19.4 - 18.9 | JA60044 | JA60044-7 | 15.6 | | X |
| 090-SB-170 | 00-01 | 20.4 - 19.9 | JA60044 | JA60044-10 | 0.98 | X | |
| 090-SB-170 | 01-02 | 19.9 - 19.4 | JA60044 | JA60044-11 | 4.3 | | X |
| 090-SB-200 | 02-03 | 13.7 - 13.2 | SAH23 | 6173755 | 1.2 | | X |
| 090-SB-F12 | 02-04 | 16.0 - 14.0 | 1334 U5783 | 65153 | 2.3U | | X |
| 090-SB-F14 | 02-04 | | 1334 U5783 | 65154 | 5 | | X |
| 184-SB13-PE1 | 00-02 | 21.8 - 21.3 | J73624 | J73624-41 | 15 | | X |
| 184-SB13-PE2 | 00-02 | 21.6 - 21.1 | J73624 | J73624-58 | 6.2 | X | |
| 184-SB13-PE3 | 00-02 | 21.6 - 21.1 | J73624 | J73624-57 | 2.5U | X | |
| 184-SB13-PE4 | 00-02 | 21.8 - 21.3 | J73624 | J73624-55 | 15.4 | X | |
| 184-SB-13 | 02-04 | 22.7 - 22.7 | T291 | 607049 | 8.7J | | X |
| 184-SB-031 | 00-01 | 18.4 - 17.9 | JA41357 | JA41357-7 | 9.5 | X | |
| 184-SB-034 | 01-02 | 17.9 - 17.4 | JA41357 | JA41357-16 | 5 | X | |
| 184-SB-034 | 02-03 | 20.3 - 19.8 | JA41357 | JA41357-17 | 4.4 | | X |
| 184-SB-041 | 02-03 | 16.8 - 16.3 | JA48238 | JA48238-10 | 1.1 | | X |
| 184-SB-042 | 01-02 | 17.5 - 17.0 | JA48238 | JA48238-12 | 5.9 | | X |
| 184-SB-043 | 00-01 | 17.9 - 17.4 | JA48238 | JA48238-15 | 19.6 | X | |
| 184-SB-055A | 00-01 | 19.0 - 18.5 | JA51118 | JA51118-7 | 2.6 | X | |
| 184-SB-056A | 01-02 | 17.4 - 16.9 | JA51118 | JA51118-11 | 3.7 | | X |
| 184-SB-057A | 00-01 | 18.1 - 17.6 | JA51118 | JA51118-14 | 11.9 | X | |
| 184-SB-059A | 00-01 | 16.9 - 16.4 | JA51118 | JA51118-19 | 12.1 | X | |
| 184-SB-064 | 00-01 | 17.1 - 16.6 | JA52304 | JA52304-3 | 3.9 | X | |
| 184-SB-070 | 00-01 | 16.9 - 16.4 | JA52304 | JA52304-13 | 8.4 | X | |
| 184-SB-080 | 00-01 | 18.0 - 17.5 | JA56730 | JA56730-1 | 11.6 | X | |
| 184-SB-090 | 00-01 | 16.7 - 16.2 | SAH03 | 6144852 | 5.6 | X | |
| 184-SB-093 | 00-01 | 17.7 - 17.2 | JA60060 | JA60060-32 | 5.8J | X | |
| 184-SB-102 | 00-01 | 18.3 - 17.8 | JA60323 | JA60323-28 | 0.82U | X | |
| 184-SB-103 | 02-03 | 17.3 - 16.8 | JA60060 | JA60060-36 | 4.4 | | X |
| 184-SB-104 | 02-03 | 17.6 - 17.1 | JA60323 | JA60323-22 | 6.6 | | X |
| 184-SB-105 | 00-01 | 18.1 - 17.6 | JA60060 | JA60060-38 | 15.7J | X | |
| 184-SB-105 | 01-02 | 17.6 - 17.1 | JA60060 | JA60060-39 | 2.5J | | X |
| 184-SB-106 | 01-02 | 17.4 - 16.9 | JA60060 | JA60060-42 | 7.1 | | X |
| 184-SB-107 | 01-02 | 19.1 - 18.6 | JA60060 | JA60060-45 | 9.3 | X | |
| 184-SB-107 | 02-03 | 18.6 - 18.1 | JA60060 | JA60060-46 | 1.5 | | X |
| 184-SB-126 | 02-03 | 16.6 - 16.1 | SAH08 | 6149257 | 1.4J | | X |

TABLE 1B-4
Post-Excavation Sampling Analytical Results
Study Area 5 Sites 90 and 184
Building Area 2

| Boring Location | Sample Interval (ft-bgs) | Sample Interval (ft-Elev.) | Sample Delivery Group | Lab Sample ID | Hexavalent Chromium (mg/kg) | Sidewall Sample | Bottom Sample |
|-----------------|-----------------------------|-------------------------------|--------------------------|---------------|-----------------------------------|--------------------|------------------|
| 184-SB-127 | 01-02 | 18.1 - 17.6 | SAH03 | 6144842 | 1.7 | X | |
| 184-SB-127 | 02-03 | 17.1 - 16.6 | SAH03 | 6144843 | 1.4 | | X |
| 184-SB-129 | 01-02 | 19.0 - 18.5 | SAH03 | 6144853 | 9.8 | X | |
| 184-SB-129 | 02-03 | 18.0 - 17.5 | SAH08 | 6149260 | 1.6J | | X |
| 184-SB-130 | 01-02 | 18.8 - 18.3 | SAH03 | 6144851 | 7.5 | | X |
| 184-SB-131 | 01-02 | 18.3 - 17.8 | SAH03 | 6144849 | 10.8 | | X |
| 184-SB-132 | 01-02 | 22.7 - 22.7 | SAH08 | 6149258 | 4.9J | | X |
| 184-SB-136 | 00-01 | 19.7 - 19.2 | SAH14 | 6156544 | 5.2J | X | |
| 184-SB-137 | 01-02 | 19.0 - 18.5 | SAH11 | 6153173 | 15.5 | | X |
| 184-SB-139 | 01-02 | 18.1 - 17.6 | SAH11 | 6153175 | 17.1 | | X |
| 184-SB-140 | 02-03 | 16.9 - 16.4 | SAH11 | 6153176 | 17.1 | | X |
| 184-SB-141 | 01-02 | 18.1 - 17.6 | SAH05 | 6148894 | 1.5J | X | |
| 184-SB-141 | 02-03 | 17.1 - 16.6 | SAH18 | 6158357 | 11.6 | | X |
| 184-SB-144 | 01-02 | 18.2 - 17.7 | SAH14 | 6156532 | 1.3J | X | |
| 184-SB-144 | 02-03 | 17.2 - 16.7 | SAH22 | 6165420 | 4.5 | | X |
| 184-SB-145 | 02-03 | 17.5 - 17.0 | SAH22 | 6165421 | 6.3 | | X |
| 184-SB-146 | 01-02 | 18.5 - 18.0 | SAH14 | 6156539 | 12J | X | |
| 184-SB-147 | 01-02 | 18.2 - 17.7 | SAH14 | 6156537 | 6.2J | X | |
| 184-SB-148 | 00-01 | 18.7 - 18.2 | SAH14 | 6156535 | 3.4J | X | |
| 184-SB-149 | 00-01 | 19.7 - 19.2 | SAH14 | 6156541 | 18.4J | X | |
| 184-SB-150 | 00-01 | 20.0 - 19.5 | SAH14 | 6156542 | 15.5J | X | |
| 184-SB-151 | 01-02 | 19.3 - 18.8 | SAH22 | 6165422 | 8.7 | | X |
| 184-SB-152 | 00-01 | 20.5 - 20.0 | SAH20 | 6163158 | 0.91J | X | |
| 184-SB-155 | 00-01 | 19.5 - 19.0 | SAH20 | 6163146 | 0.65J | X | |
| 184-SB-156 | 00-01 | 19.1 - 18.6 | SAH20 | 6163152 | 1.2 | X | |
| 184-SB-157 | 00-01 | 18.7 - 18.2 | SAH20 | 6163154 | 1.8 | X | |
| | | | | | Total Soil Samples | 45 | 32 |

| | |
|--|---------------|
| Excavation Bottom Area (SF) | 19,728 |
| Excavation Perimeter (ft) | 1130 |
| Total Sidewall Soil Samples /LF | 25 |
| Total Bottom Soil Samples /SF | 617 |

Notes:

U = Compound was not detected. The Practical Quantitation Limit for Hexavalent Chromium is 2 mg/kg.

J = Data indicates the presence of a compound that meets the identification criteria. The concentration given is an approximate value.

Prepared by: TG

Checked by: BS

TABLE 1B-5
Post-Excavation Sampling Analytical Results
Study Area 5 Sites 90 and 184
Building Area 3

| Boring Location | Sample Interval (ft-bgs) | Sample Interval (ft-Elev.) | Sample Delivery Group | Lab Sample ID | Hexavalent Chromium (mg/kg) | Sidewall Sample | Bottom Sample |
|-----------------|-----------------------------|-------------------------------|--------------------------|---------------|-----------------------------------|--------------------|------------------|
| 090-MP-01 | 00-02 | 15.6 - 15.1 | J73624 | J73624-25 | 11.6 | X | |
| 090-MP-01 | 02-04 | 13.6 - 13.1 | J73624 | J73624-26 | 2.9J | | X |
| 090-MP-02 | 08-10 | 7.8 - 7.3 | J73624 | J73624-35 | 1.5J | | X |
| 090-MP-03 | 06-08 | 9.9 - 9.4 | J73624 | J73624-16 | 6.9J | X | |
| 090-MP-03 | 08-10 | 8.4 - 7.9 | J73624 | J73624-17 | 2.3J | | X |
| 090-MP-04 | 08-10 | 9.0 - 8.5 | J73624 | J73624-23 | 4.2UJ | | X |
| 090-MP-05 | 06-08 | 10.5 - 10.0 | J73624 | J73624-4 | 4.7J | X | X |
| 090-SB-130 | 01-02 | 15.1 - 14.6 | JA48337 | JA48337-21 | 2.7 | X | |
| 090-SB-131 | 01-02 | 15.2 - 14.7 | JA48337 | JA48337-23 | 12.1 | X | |
| 090-SB-131 | 02-03 | 14.2 - 13.7 | JA48337 | JA48337-24 | 8.7J | | X |
| 090-SB-132 | 02-03 | 14.3 - 13.8 | JA48337 | JA48337-27 | 7.3J | | X |
| 090-SB-133 | 06-08 | 10.5 - 10.0 | JA48337 | JA48337-32 | 0.57U | | X |
| 090-SB-134 | 02-03 | 15.0 - 14.5 | JA48337 | JA48337-33 | 13 | X | |
| 090-SB-134 | 06-08 | 10.5 - 10.0 | JA48337 | JA48337-35 | 0.56U | | X |
| 090-SB-135 | 03-04 | 14.0 - 13.5 | JA48337 | JA48337-38 | 3 | X | |
| 090-SB-149 | 02-03 | 14.8 - 14.3 | JA56758 | JA56758-3 | 14 | | X |
| 090-SB-150 | 01-02 | 15.1 - 14.6 | JA56758 | JA56758-6 | 5.4 | X | |
| 090-SB-150 | 02-03 | 14.6 - 14.1 | JA56758 | JA56758-7 | 3.8J | | X |
| 090-SB-151 | 03-04 | 13.6 - 13.1 | JA56758 | JA56758-8 | 5.7 | | X |
| 090-SB-152 | 01-02 | 15.1 - 14.6 | JA56758 | JA56758-14 | 19.3 | X | |
| 090-SB-152 | 03-04 | 13.6 - 13.1 | JA56758 | JA56758-16 | 2.4 | | X |
| 090-SB-166 | 01-02 | 15.2 - 14.7 | JA60044 | JA60044-5 | 0.71 | X | |
| 090-SB-175R | 03-04 | 12.9 - 12.4 | SAH23 | 6173754 | 10.2 | | X |
| 090-SB-176 | 01-02 | 14.8 - 14.3 | SAH01 | 6144665 | 7.2 | | X |
| 090-SB-177 | 01-02 | 15.1 - 14.6 | SAH01 | 6144658 | 10.8 | X | |
| 090-SB-178 | 02-03 | 14.3 - 13.8 | SAH06 | 6149121 | 0.7J | | X |
| 090-SB-179 | 01-02 | 15.9 - 15.4 | SAH04 | 6148869 | 9.6 | X | |
| 090-SB-180 | 01-02 | 15.8 - 15.3 | SAH04 | 6148874 | 5.4 | X | |
| 090-SB-181 | 01-02 | 15.6 - 15.1 | SAH04 | 6148875 | 1J | X | |
| 090-SB-182 | 00-01 | 16.0 - 15.5 | SAH06 | 6149119 | 0.42J | X | |
| 090-SB-183 | 01-02 | 15.3 - 14.8 | SAH06 | 6149118 | 11.4 | | X |
| 090-SB-184 | 01-02 | 15.2 - 14.7 | SAH06 | 6149116 | 16.4 | | X |
| 090-SB-191 | 01-02 | 15.0 - 14.5 | SAH13 | 6156519 | 2.3J | X | |
| 090-SB-193 | 01-02 | 16.0 - 15.5 | SAH23 | 6173752 | 4.2 | X | |
| 090-SB-193 | 02-03 | 15.0 - 14.5 | SAH23 | 6173753 | 3.4 | | X |
| 090-SB-194 | 01-02 | 17.3 - 16.8 | SAH23 | 6173750 | 11.9 | X | |
| 090-SB-194 | 02-03 | 16.3 - 15.8 | SAH23 | 6173751 | 19.5 | | X |
| 090-SB-195 | 01-02 | 17.5 - 17.0 | SAH23 | 6173748 | 3.6 | X | |
| 090-SB-195 | 02-03 | 16.5 - 16.0 | SAH23 | 6173749 | 2.4 | | X |

TABLE 1B-5
Post-Excavation Sampling Analytical Results
Study Area 5 Sites 90 and 184
Building Area 3

| Boring Location | Sample Interval (ft-bgs) | Sample Interval (ft-Elev.) | Sample Delivery Group | Lab Sample ID | Hexavalent Chromium (mg/kg) | Sidewall Sample | Bottom Sample |
|-----------------|-----------------------------|-------------------------------|--------------------------|---------------|-----------------------------------|--------------------|------------------|
| 090-SB-201 | 02-03 | 15.1 - 14.6 | SAH26 | 6245082 | 9.8J | | X |
| 090-SB-202 | 02-03 | 14.5 - 14.0 | SAH26 | 6245087 | 8.8J | X | |
| 090-SB-C13 | 00-02 | 16.5 - 14.5 | 1339 U6641 | 65161 | 2.1U | X | |
| 090-SB-D14 | 00-02 | 18.5 - 16.5 | 1335 U5781 | 65158 | 16.6 | X | |
| 090-SB-D14 | 02-04 | 16.5 - 14.5 | 1335 U5783 | 65164 | 5.8 | | X |
| | | | | | Total Soil Samples | 22 | 23 |

| | |
|--|---------------|
| Excavation Bottom Area (SF) | 17,392 |
| Excavation Perimeter (ft) | 582 |
| Total Sidewall Soil Samples /LF | 26 |
| Total Bottom Soil Samples /SF | 756 |

Notes:

U = Compound was not detected. The Practical Quantitation Limit for Hexavalent Chromium is 2 mg/kg.

J = Data indicates the presence of a compound that meets the identification criteria. The concentration given is an approximate value.

Prepared by: TG

Checked by: BS

TABLE 1B-6
Post-Excavation Sampling Analytical Results
Hexavalent Chromium Sidewall Post-Ex Sample Summary
Study Area 5 Sites 90 and 184

| Excavation Area | Perimeter Distance (ft) | Number of samples along sidewall | Soil Samples /LF |
|-----------------|-------------------------|-------------------------------------|------------------|
| Building 1 | 540 | 23 | 23 |
| Building 2 | 1,130 | 45 | 25 |
| Building 3 | 582 | 22 | 26 |
| Building 5 | 822 | 27 | 30 |
| Building 6 | 300 | 10 | 30 |
| Total | 3,374 | 127 | 27 |

Prepared by: TG
Checked by: US

TABLE 1B-7
Post-Excavation Sampling Analytical Results
Hexavalent Chromium Bottom Post-Ex Sample Summary
Study Area 5 Sites 90 and 184

| Excavation Area | Bottom Area (SF) | Number of samples within excavation area | Soil Samples /SF |
|------------------------|-------------------------|---|-------------------------|
| Building 1 | 8,432 | 19 | 444 |
| Building 2 | 19,728 | 32 | 617 |
| Building 3 | 17,392 | 23 | 756 |
| Building 5 | 16,772 | 19 | 883 |
| Building 6 | 14,085 | 16 | 880 |
| Total | 76,409 | 109 | 701 |

Prepared by: TG
Checked by: US

TABLE 2A
STUDY AREA 5 SITE 090 AND 184
WASTE CLASSIFICATION SOIL SAMPLES

| Location | Field Sample ID | Sample Date | Lab Sample ID | Sample Interval | TCLP Chromium (mg/L) | Hexavalent (mg/kg) |
|------------|-----------------|-------------|------------------------|-----------------|----------------------|--------------------|
| 090-WCA1 | 090-WCA1-0004 | 07/14/2010 | JA51507-1C | 0-4 ft | 11.8 | NA |
| 090-WCA1 | 090-WCA1-0408 | 07/14/2010 | JA51507-2C | 0-4 ft | 0.16 | NA |
| 090-WCA1 | 090-WCA1-0812 | 07/14/2010 | JA51507-3C | 0-4 ft | 0.3 | NA |
| 090-WCA1 | 090-WCA1-1216 | 07/14/2010 | JA51507-4C | 0-4 ft | 1.9 | NA |
| 090-WCA1 | 090-WCA1-1620 | 07/14/2010 | JA51507-5C | 0-4 ft | 0.63 | NA |
| | | | | | | |
| 090-WCA1A | 090-WCA1A-0406 | 07/14/2010 | JA51506-1 JA51506-1A | 5-5.5 ft | NA | 2.1 |
| 090-WCA1A | 090-WCA1A-0810 | 07/14/2010 | JA51506-2 JA51506-2A | 9-9.5 ft | NA | 16.5 |
| | | | | | | |
| 090-WCA1A3 | 090-WCA1A3-1216 | 07/14/2010 | JA51507-30C | 12-16 ft | 1.2 | NA |
| 090-WCA1A3 | 090-WCA1A3-1620 | 07/14/2010 | JA51507-31C | 16-20 ft | 0.17 | NA |
| | | | | | | |
| 090-WCA1B | 090-WCA1B-0406 | 07/14/2010 | JA51506-4 JA51506-4A | 5-5.5 ft | NA | 1.4 |
| 090-WCA1B | 090-WCA1B-0810 | 07/14/2010 | JA51506-5 JA51506-5A | 8.5-9 ft | NA | 6.9 |
| | | | | | | |
| 090-WCA2 | 090-WCA2-0004 | 07/14/2010 | JA51507-6C | 0-4 ft | 4.9 | NA |
| 090-WCA2 | 090-WCA2-0408 | 07/14/2010 | JA51507-7C | 0-4 ft | 0.12 | NA |
| 090-WCA2 | 090-WCA2-0812 | 07/14/2010 | JA51507-8C | 0-4 ft | 0.33 | NA |
| 090-WCA2 | 090-WCA2-1216 | 07/14/2010 | JA51507-9C | 0-4 ft | 0.69 | NA |
| 090-WCA2 | 090-WCA2-1620 | 07/14/2010 | JA51507-10C | 0-4 ft | 0.088 | NA |
| | | | | | | |
| 090-WCA2A | 090-WCA2A-0608 | 07/14/2010 | JA51506-7 JA51506-7A | 6-6.5 ft | NA | 2.7 |
| 090-WCA2A | 090-WCA2A-1012 | 07/14/2010 | JA51506-8 JA51506-8A | 10.5-11 ft | NA | 30.7 |
| | | | | | | |
| 090-WCA2B | 090-WCA2B-0406 | 07/14/2010 | JA51506-10 | 5.5-6 ft | NA | 3 |
| 090-WCA2B | 090-WCA2B-0608 | 07/14/2010 | JA51506-11 | 7-7.5 ft | NA | 13.8 |
| 090-WCA2B | 090-WCA2B-0810 | 07/14/2010 | JA51506-12 | 9.5-10 ft | NA | 10.4 |
| 090-WCA2B | 090-WCA2B-1012 | 07/14/2010 | JA51506-13 | 11.5-12 ft | NA | 15.2 |
| 090-WCA2B | 090-WCA2B-1214 | 07/14/2010 | JA51506-14 | 13.5-14 ft | NA | 71.7 |
| 090-WCA2B | 090-WCA2B-1416 | 07/14/2010 | JA51506-15 | 15.5-16 ft | NA | 50.4 |
| 090-WCA2B | 090-WCA2B-1618 | 07/14/2010 | JA51506-16 | 17.5-18 ft | NA | 7.7 |
| 090-WCA2B | 090-WCA2B-1820 | 07/14/2010 | JA51506-17 | 19.5-20 ft | NA | 2.4 |
| | | | | | | |
| 090-WCA3 | 090-WCA3-0004 | 07/14/2010 | JA51507-11C | 0-4 ft | 15.6 | NA |
| 090-WCA3 | 090-WCA3-0408 | 07/14/2010 | JA51507-12C | 0-4 ft | 0.16 | NA |
| 090-WCA3 | 090-WCA3-0812 | 07/14/2010 | JA51507-13C | 0-4 ft | 1.5 | NA |
| 090-WCA3 | 090-WCA3-1216 | 07/14/2010 | JA51507-14C | 0-4 ft | 0.89 | NA |
| 090-WCA3 | 090-WCA3-1620 | 07/14/2010 | JA51507-15C | 0-4 ft | 0.53 | NA |
| | | | | | | |
| 090-WCA3A | 090-WCA3A-0608 | 07/14/2010 | JA51506-18 JA51506-18A | 7-7.5 ft | NA | 13.9 |
| 090-WCA3A | 090-WCA3A-0810 | 07/14/2010 | JA51506-19 JA51506-19A | 9.5-10 ft | NA | 88 |
| | | | | | | |
| 090-WCA3A4 | 090-WCA3A4-0412 | 07/14/2010 | JA51507-34C | 4-12 ft | 0.43 | NA |
| | | | | | | |
| 090-WCA3B | 090-WCA3B-0608 | 07/14/2010 | JA51506-22 JA51506-22A | 6-6.5 ft | NA | 7.3 |
| 090-WCA3B | 090-WCA3B-0810 | 07/14/2010 | JA51506-23 JA51506-23A | 8.5-9 ft | NA | 78.8 |
| | | | | | | |
| 090-WCA4 | 090-WCA4-0004 | 07/14/2010 | JA51507-16C | 0-4 ft | 21.2 | NA |
| 090-WCA4 | 090-WCA4-0408 | 07/14/2010 | JA51507-17C | 0-4 ft | 0.29 | NA |
| 090-WCA4 | 090-WCA4-0812 | 07/14/2010 | JA51507-18C | 0-4 ft | 0.67 | NA |
| 090-WCA4 | 090-WCA4-1216 | 07/14/2010 | JA51507-19C | 0-4 ft | 1.1 | NA |
| 090-WCA4 | 090-WCA4-1620 | 07/14/2010 | JA51507-20C | 0-4 ft | 0.23 | NA |
| | | | | | | |
| 090-WCA4A | 090-WCA4A-0608 | 07/14/2010 | JA51506-25 JA51506-25A | 11.5-12 ft | NA | 13.3 |
| 090-WCA4A | 090-WCA4A-1012 | 07/14/2010 | JA51506-26 JA51506-26A | 13.5-14 ft | NA | 244 |
| 090-WCA4A7 | 090-WCA4A7-1216 | 07/14/2010 | JA51507-32C | 12-16 ft | 0.16 | NA |
| 090-WCA4A7 | 090-WCA4A7-1620 | 07/14/2010 | JA51507-33C | 16-20 ft | 0.061 | NA |
| | | | | | | |
| 090-WCA4B | 090-WCA4B-0608 | 07/14/2010 | JA51506-28 JA51506-28A | 17.5-18 ft | NA | 5.6 |
| 090-WCA4B | 090-WCA4B-1012 | 07/14/2010 | JA51506-29 JA51506-29A | 19.5-20 ft | NA | 6.5 |
| | | | | | | |

TABLE 2A
STUDY AREA 5 SITE 090 AND 184
WASTE CLASSIFICATION SOIL SAMPLES

| Location | Field Sample ID | Sample Date | Lab Sample ID | Sample Interval | TCLP Chromium (mg/L) | Hexavalent (mg/kg) |
|------------|-----------------|-------------|------------------------|-----------------|----------------------|--------------------|
| 090-WCA5 | 090-WCA5-0004 | 07/14/2010 | JA51507-21C | 0-4 ft | 2.2 | NA |
| 090-WCA5 | 090-WCA5-0408 | 07/14/2010 | JA51507-22C | 0-4 ft | 0.39 | NA |
| 090-WCA5 | 090-WCA5-0812 | 07/14/2010 | JA51507-23C | 0-4 ft | 0.12 | NA |
| 090-WCA5 | 090-WCA5-1216 | 07/14/2010 | JA51507-24C | 0-4 ft | 0.45 | NA |
| 090-WCA5 | 090-WCA5-1620 | 07/14/2010 | JA51507-25C | 0-4 ft | 0.043 | NA |
| | | | | | | |
| 090-WCA5A | 090-WCA5A-0406 | 07/14/2010 | JA51506-31 JA51506-31A | 5-5.5 ft | NA | 10.5 |
| 090-WCA5A | 090-WCA5A-0810 | 07/14/2010 | JA51506-32 JA51506-32A | 9.5-10 ft | NA | 143 |
| | | | | | | |
| 090-WCA5B | 090-WCA5B-0406 | 07/14/2010 | JA51506-34 JA51506-34A | 4.5-5 ft | NA | 11.6 |
| 090-WCA5B | 090-WCA5B-0810 | 07/14/2010 | JA51506-35 JA51506-35A | 9-9.5 ft | NA | 5.3 |
| | | | | | | |
| 090-WCA6 | 090-WCA6-0408 | 07/14/2010 | JA51507-26C | 0-4 ft | 0.038 | NA |
| 090-WCA6 | 090-WCA6-0812 | 07/14/2010 | JA51507-27C | 0-4 ft | 0.039 | NA |
| 090-WCA6 | 090-WCA6-1216 | 07/14/2010 | JA51507-28C | 0-4 ft | 0.028 | NA |
| 090-WCA6 | 090-WCA6-1620 | 07/14/2010 | JA51507-29C | 0-4 ft | 0.010U | NA |
| | | | | | | |
| 090-WCA6A | 090-WCA6A-0406 | 07/14/2010 | JA51506-37 JA51506-37A | 4.5-5 ft | NA | 4 |
| 090-WCA6A | 090-WCA6A-0810 | 07/14/2010 | JA51506-38 JA51506-38A | 8.5-9 ft | NA | 2 |
| | | | | | | |
| 090-WCA6B | 090-WCA6B-0406 | 07/15/2010 | JA51506-40 JA51506-40A | 4.5-5 ft | NA | 1.3 |
| 090-WCA6B | 090-WCA6B-0810 | 07/15/2010 | JA51506-41 JA51506-41A | 11-11.5 ft | NA | 2.8 |
| | | | | | | |
| 090-WCA7 | 090-WCA7-0408 | 07/16/2010 | JA51526-15C | 4-8 ft | 1.6 | NA |
| 090-WCA7 | 090-WCA7-0412 | 07/16/2010 | JA51526-28C | | 0.67 | NA |
| 090-WCA7 | 090-WCA7-0812 | 07/16/2010 | JA51526-16C | 8-12 ft | 0.33 | NA |
| 090-WCA7 | 090-WCA7-1216 | 07/16/2010 | JA51526-17C | 12-16 ft | 0.098 | NA |
| 090-WCA7 | 090-WCA7-1620 | 07/16/2010 | JA51526-18C | 16-20 ft | 0.013 | NA |
| | | | | | | |
| 090-WCA7A | 090-WCA7A-0608 | 07/15/2010 | JA51523-1 JA51523-1A | 6-6.5 ft | NA | 456 |
| 090-WCA7A | 090-WCA7A-1012 | 07/15/2010 | JA51523-2 JA51523-2A | 11.5-12 ft | NA | 95.8 |
| 090-WCA7A | 090-WCA7A-1214 | 07/15/2010 | JA51523-3 JA51523-3A | 13.5-14 ft | NA | 54.9 |
| | | | | | | |
| 090-WCA7B | 090-WCA7B-0608 | 07/15/2010 | JA51523-4 JA51523-4A | 7.5-8 ft | NA | 2.8 |
| 090-WCA7B | 090-WCA7B-1012 | 07/15/2010 | JA51523-5 JA51523-5A | 11.5-12 ft | NA | 5.6 |
| 090-WCA7B | 090-WCA7B-1214 | 07/15/2010 | JA51523-6 JA51523-6A | 13.5-14 ft | NA | 74.4 |
| | | | | | | |
| 090-WCA8 | 090-WCA8-0004 | 07/16/2010 | JA51526-19C | 0-4 ft | 1.6 | NA |
| 090-WCA8 | 090-WCA8-0408 | 07/16/2010 | JA51526-20C | 4-8 ft | 0.54 | NA |
| 090-WCA8 | 090-WCA8-0412 | 07/16/2010 | JA51526-29C | | 0.47 | NA |
| 090-WCA8 | 090-WCA8-0812 | 07/16/2010 | JA51526-21C | 8-12 ft | 1.1 | NA |
| 090-WCA8 | 090-WCA8-1216 | 07/16/2010 | JA51526-22C | 12-16 ft | 1.4 | NA |
| 090-WCA8 | 090-WCA8-1620 | 07/16/2010 | JA51526-23C | 16-20 ft | 0.24 | NA |
| | | | | | | |
| 090-WCB1 | 090-WCB1-0004 | 07/16/2010 | JA51526-1C | 0-4 ft | 0.010U | NA |
| | | | | | | |
| 090-WCB1B3 | 090-WCB1B3-0004 | 07/16/2010 | JA51526-26C | | 0.3 | NA |
| | | | | | | |
| 090-WCB2 | 090-WCB2-0004 | 07/16/2010 | JA51526-2C | 0-4 ft | 0.035 | NA |
| | | | | | | |
| 090-WCB3 | 090-WCB3-0004 | 07/16/2010 | JA51526-3C | 0-4 ft | 0.28 | NA |
| | | | | | | |
| 090-WCB4 | 090-WCB4-0004 | 07/16/2010 | JA51526-4C | 0-4 ft | 0.069 | NA |
| | | | | | | |
| 090-WCB4B6 | 090-WCB4B6-0004 | 07/16/2010 | JA51526-27C | | 0.033 | NA |
| | | | | | | |
| 090-WCB5 | 090-WCB5-0004 | 07/16/2010 | JA51526-5C | 0-4 ft | 0.074 | NA |
| | | | | | | |
| 090-WCB6 | 090-WCB6-0004 | 07/16/2010 | JA51526-6C | 0-4 ft | 0.16 | NA |

TABLE 2A
STUDY AREA 5 SITE 090 AND 184
WASTE CLASSIFICATION SOIL SAMPLES

| Location | Field Sample ID | Sample Date | Lab Sample ID | Sample Interval | TCLP Chromium (mg/L) | Hexavalent (mg/kg) |
|------------|-----------------|-------------|------------------------|-----------------|----------------------|--------------------|
| 090-WCC1 | 090-WCC1-1216 | 07/16/2010 | JA51526-7C | 12-16 ft | 0.32 | NA |
| 090-WCC1 | 090-WCC1-1620 | 07/16/2010 | JA51526-11C | 16-20 ft | 0.29 | NA |
| 090-WCC1A | 090-WCC1A-1214 | 07/15/2010 | JA51523-7 JA51523-7A | 12.5-13 ft | NA | 18.3 |
| 090-WCC1A | 090-WCC1A-1820 | 07/15/2010 | JA51523-8 JA51523-8A | 18-18.5 ft | NA | 28 |
| 090-WCC1B | 090-WCC1B-1214 | 07/15/2010 | JA51523-9 JA51523-9A | 12.5-13 ft | NA | 13.4 |
| 090-WCC1B | 090-WCC1B-1820 | 07/15/2010 | JA51523-10 JA51523-10A | 18-18.5 ft | NA | 5.4 |
| 090-WCC1C4 | 090-WCC1C4-1216 | 07/16/2010 | JA51526-24C | | 0.18 | NA |
| 090-WCC1C4 | 090-WCC1C4-1620 | 07/16/2010 | JA51526-25C | | 0.11 | NA |
| 090-WCC2 | 090-WCC2-1216 | 07/16/2010 | JA51526-8C | 12-16 ft | 0.62 | NA |
| 090-WCC2 | 090-WCC2-1620 | 07/16/2010 | JA51526-12C | 16-20 ft | 0.031 | NA |
| 090-WCC2A | 090-WCC2A-1214 | 07/15/2010 | JA51523-11 JA51523-11A | 12.5-13 ft | NA | 62 |
| 090-WCC2A | 090-WCC2A-1820 | 07/15/2010 | JA51523-12 JA51523-12A | 18-18.5 ft | NA | 3 |
| 090-WCC2B | 090-WCC2B-1214 | 07/15/2010 | JA51523-13 JA51523-13A | 12.5-13 ft | NA | 22.4 |
| 090-WCC2B | 090-WCC2B-1820 | 07/15/2010 | JA51523-14 JA51523-14A | 18-18.5 ft | NA | 1.3 |
| 090-WCC3 | 090-WCC3-1216 | 07/16/2010 | JA51526-9C | 12-16 ft | 0.47 | NA |
| 090-WCC3 | 090-WCC3-1620 | 07/16/2010 | JA51526-13C | 16-20 ft | 0.03 | NA |
| 090-WCC3A | 090-WCC3A-1214 | 07/15/2010 | JA51523-15 JA51523-15A | 12.5-13 ft | NA | 52.8 |
| 090-WCC3A | 090-WCC3A-1820 | 07/15/2010 | JA51523-16 JA51523-16A | 18-18.5 ft | NA | 1.9 |
| 090-WCC3B | 090-WCC3B-1214 | 07/15/2010 | JA51523-17 JA51523-17A | 12.5-13 ft | NA | 33.3 |
| 090-WCC3B | 090-WCC3B-1820 | 07/15/2010 | JA51523-18 JA51523-18A | 18-18.5 ft | NA | 4.3 |
| 090-WCC4 | 090-WCC4-1216 | 07/16/2010 | JA51526-10C | 12-16 ft | 0.016 | NA |
| 090-WCC4 | 090-WCC4-1620 | 07/16/2010 | JA51526-14C | 16-20 ft | 0.021 | NA |
| 090-WCC4A | 090-WCC4A-1214 | 07/15/2010 | JA51523-19 JA51523-19A | 12.5-13 ft | NA | 178 |
| 090-WCC4A | 090-WCC4A-1820 | 07/15/2010 | JA51523-20 JA51523-20A | 18-18.5 ft | NA | 0.82 |
| 090-WCC4B | 090-WCC4B-1214 | 07/15/2010 | JA51523-21 JA51523-21A | 12.5-13 ft | NA | 1.2 |
| 090-WCC4B | 090-WCC4B-1820 | 07/15/2010 | JA51523-22 JA51523-22A | 18-18.5 ft | NA | 2 |
| 184-WCD1 | 184-WCD1-0004 | 07/16/2010 | JA51525-1C | 0-4 ft | NA | 9.5J |
| 184-WCD2 | 184-WCD2-0004 | 07/16/2010 | JA51525-2C | 0-4 ft | NA | 0.010U |

TABLE 2B
STUDY AREA 5 SITES 090 AND 184
WASTE CLASSIFICATION SOIL SAMPLES

| Field Sample ID | | 090-WCA1A3-1216 | 090-WCA1A3-1620 | 090-WCA3A4-0412 | 090-WCA4A7-1216 | 090-WCA4A7-1620 | 090-WCA7-0412 | 090-WCA8-0412 | 090-WCB1B3-0004 | 090-WCB4B6-0004 | 090-WCC1C4-1216 | 090-WCC1C4-1620 |
|---------------------------|-------|-----------------|-----------------|-----------------|-----------------|-----------------|---------------|---------------|-----------------|-----------------|-----------------|-----------------|
| Location | | 090-WCA1A3 | 090-WCA1A3 | 090-WCA3A4 | 090-WCA4A7 | 090-WCA4A7 | 090-WCA7 | 090-WCA8 | 090-WCB1B3 | 090-WCB4B6 | 090-WCC1C4 | 090-WCC1C4 |
| Sample Depth | | 12-16 ft | 16-20 ft | 4-12 ft | 12-16 ft | 16-20 ft | 4-12 ft | 4-12 ft | 0-4 ft | 0-4 ft | 12-16 ft | 16-20 ft |
| Sample Date | Units | 07/14/2010 | 07/14/2010 | 07/14/2010 | 07/14/2010 | 07/14/2010 | 07/16/2010 | 07/16/2010 | 07/16/2010 | 07/16/2010 | 07/16/2010 | 07/16/2010 |
| Sample Delivery Group | | JA51507R | JA51507R | JA51507R | JA51507R | JA51507R | JA51526R | JA51526R | JA51526R | JA51526R | JA51526R | JA51526R |
| Lab Sample ID | | JA51507-30C | JA51507-31C | JA51507-34C | JA51507-32C | JA51507-33C | JA51526-28C | JA51526-29C | JA51526-26C | JA51526-27C | JA51526-24C | JA51526-25C |
| Matrix | | Soil | Soil | Soil | Soil | Soil | Soil | Soil | Soil | Soil | Soil | Soil |
| Parameter Name | | | | | | | | | | | | |
| TCLP VOAs | | | | | | | | | | | | |
| 1,1-DICHLOROETHENE | MG/L | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U |
| 1,2-DICHLOROETHANE | MG/L | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U |
| 2-BUTANONE | MG/L | 0.10U | 0.10U | 0.10U | 0.10U | 0.10U | 0.10U | 0.10U | 0.10U | 0.10U | 0.10U | 0.10U |
| BENZENE | MG/L | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U |
| CARBON TETRACHLORIDE | MG/L | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U |
| CHLOROBENZENE | MG/L | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U |
| CHLOROFORM | MG/L | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0045J | 0.0050U | 0.0035J | 0.0050U | 0.0050U |
| TETRACHLOROETHENE | MG/L | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U |
| TRICHLOROETHENE | MG/L | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U |
| VINYL CHLORIDE | MG/L | 0.025U | 0.025U | 0.025U | 0.025U | 0.025U | 0.025U | 0.025U | 0.025U | 0.025U | 0.025U | 0.025U |
| TCLP SVOAs | | | | | | | | | | | | |
| 1,4-DICHLOROBENZENE | MG/L | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U |
| 2,4,5-TRICHLOROPHENOL | MG/L | 0.050U | 0.050U | 0.050U | 0.050U | 0.050U | 0.050U | 0.050U | 0.050U | 0.050U | 0.050U | 0.050U |
| 2,4,6-TRICHLOROPHENOL | MG/L | 0.050U | 0.050U | 0.050U | 0.050U | 0.050U | 0.050U | 0.050U | 0.050U | 0.050U | 0.050U | 0.050U |
| 2,4-DINITROTOLUENE | MG/L | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U |
| 2-METHYLPHENOL | MG/L | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U |
| HEXACHLOROBENZENE | MG/L | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U |
| HEXACHLOROBUTADIENE | MG/L | 0.010U | 0.010U | 0.010U | 0.010U | 0.010U | 0.010U | 0.010U | 0.010U | 0.010U | 0.010U | 0.010U |
| HEXACHLOROETHANE | MG/L | 0.050U | 0.050U | 0.050U | 0.050U | 0.050U | 0.050U | 0.050U | 0.050U | 0.050U | 0.050U | 0.050U |
| NITROBENZENE | MG/L | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U |
| PENTACHLOROPHENOL | MG/L | 0.10U | 0.10U | 0.10U | 0.10U | 0.10U | 0.10U | 0.10U | 0.10U | 0.10U | 0.10U | 0.10U |
| PYRIDINE | MG/L | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U | 0.020U |
| TCLP METALS | | | | | | | | | | | | |
| ARSENIC | MG/L | 0.50U | 0.50U | 0.50U | 0.50U | 0.50U | 0.50U | 0.50U | 0.50U | 0.50U | 0.50U | 0.50U |
| BARIUM | MG/L | 1.0U | 1.0U | 1.0U | 1.0U | 1.0U | 1.0U | 1.0U | 1.0U | 1.0U | 1.0U | 1.0U |
| CADMIUM | MG/L | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U |
| CHROMIUM | MG/L | 1.2 | 0.17 | 0.43 | 0.16 | 0.061 | 0.67 | 0.47 | 0.3 | 0.033 | 0.18 | 0.11 |
| LEAD | MG/L | 0.50U | 0.50U | 0.50U | 0.50U | 0.50U | 0.50U | 0.50U | 1.3 | 0.50U | 0.50U | 0.50U |
| MERCURY | MG/L | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U |
| REACTIVE CYANIDE | MG/KG | 5.9U | 5.7U | 6.0U | 6.1U | 5.8U | 5.9U | 5.6U | 5.3U | 5.4U | 5.9U | 5.9U |
| SELENIUM | MG/L | 0.50U | 0.50U | 0.50U | 0.50U | 0.50U | 0.50U | 0.50U | 0.50U | 0.50U | 0.50U | 0.50U |
| SILVER | MG/L | 0.010U | 0.010U | 0.010U | 0.010U | 0.010U | 0.010U | 0.010U | 0.010U | 0.010U | 0.010U | 0.010U |
| PCBs | | | | | | | | | | | | |
| AROCLOR-1016 | MG/KG | 0.035U | 0.034U | 0.035U | 0.036U | 0.034U | 0.035U | 0.033U | 0.031U | 0.031U | 0.034U | 0.035U |
| AROCLOR-1221 | MG/KG | 0.035U | 0.034U | 0.035U | 0.036U | 0.034U | 0.035U | 0.033U | 0.031U | 0.031U | 0.034U | 0.035U |
| AROCLOR-1232 | MG/KG | 0.035U | 0.034U | 0.035U | 0.036U | 0.034U | 0.035U | 0.033U | 0.031U | 0.031U | 0.034U | 0.035U |
| AROCLOR-1242 | MG/KG | 0.035U | 0.034U | 0.035U | 0.036U | 0.034U | 0.035U | 0.033U | 0.031U | 0.031U | 0.034U | 0.035U |
| AROCLOR-1248 | MG/KG | 0.035U | 0.034U | 0.035U | 0.036U | 0.034U | 0.035U | 0.033U | 0.031U | 0.031U | 0.034U | 0.035U |
| AROCLOR-1254 | MG/KG | 0.035U | 0.034U | 0.035U | 0.036U | 0.034U | 0.035U | 0.033U | 0.031U | 0.031U | 0.034U | 0.035U |
| AROCLOR-1260 | MG/KG | 0.035U | 0.034U | 0.035U | 0.036U | 0.034U | 0.035U | 0.033U | 0.031U | 0.031U | 0.034U | 0.035U |
| TCLP Pesticides | | | | | | | | | | | | |
| CONSTITUENTS OF CHLORDANE | MG/L | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U | 0.0050U |
| ENDRIN | MG/L | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U |
| GAMMA-BHC (LINDANE) | MG/L | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U |
| HEPTACHLOR | MG/L | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U |
| HEPTACHLOR EPOXIDE | MG/L | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U |
| METHOXYCHLOR | MG/L | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U | 0.00020U |
| TOXAPHENE | MG/L | 0.0025U | 0.0025U | 0.0025U | 0.0025U | 0.0025U | 0.0025U | 0.0025U | 0.0025U | 0.0025U | 0.0025U | 0.0025U |

TABLE 3B

**SA-5 NJCU (SITE090) BUILDING 6 ASPHALT STOCKPILE
WASTE CHARACTERIZATION RESULT LIST**

| Composite Sample ID | Sample Date | Parameter | Result | RL | Units |
|---------------------|-------------|----------------------|----------|--------|-----------|
| 090-WC-BLDG6-1N | 11/19/2010 | 2,4-D | ND | 0.005 | mg/l |
| | | 2,4,5-TP (Silvex) | ND | 0.0015 | mg/l |
| | | gamma-BHC (Lindane) | ND | 0.0002 | mg/l |
| | | Chlordane | ND | 0.005 | mg/l |
| | | Endrin | ND | 0.0002 | mg/l |
| | | Heptachlor | ND | 0.0002 | mg/l |
| | | Heptachlor epoxide | ND | 0.0002 | mg/l |
| | | Methoxychlor | ND | 0.0002 | mg/l |
| | | Toxaphene | ND | 0.0025 | mg/l |
| | | Aroclor-1016 | ND | 30 | ug/kg |
| | | Aroclor-1221 | ND | 30 | ug/kg |
| | | Aroclor-1232 | ND | 30 | ug/kg |
| | | Aroclor-1242 | ND | 30 | ug/kg |
| | | Aroclor-1248 | ND | 30 | ug/kg |
| | | Aroclor-1254 | ND | 30 | ug/kg |
| | | Aroclor-1260 | ND | 30 | ug/kg |
| | | Arsenic | <0.50 | 0.5 | mg/l |
| | | Barium | <1.0 | 1 | mg/l |
| | | Cadmium | <0.0050 | 0.005 | mg/l |
| | | Chromium | 0.018 | 0.01 | mg/l |
| | | Lead | <0.50 | 0.5 | mg/l |
| | | Mercury | <0.00020 | 0.0002 | mg/l |
| | | Selenium | <0.50 | 0.5 | mg/l |
| | | Silver | <0.010 | 0.01 | mg/l |
| | | Antimony | <2.0 | 2 | mg/kg |
| | | Arsenic | 2.4 | 2 | mg/kg |
| | | Beryllium | <0.20 | 0.2 | mg/kg |
| | | Cadmium | <0.50 | 0.5 | mg/kg |
| | | Chromium, Hexavalent | 3.0 | 0.41 | mg/kg |
| | | Chromium | 20.4 | 1 | mg/kg |
| | | Copper | 42.2 | 2.5 | mg/kg |
| | | Lead | 25 | 2 | mg/kg |
| | | Mercury | 1.2 | 0.061 | mg/kg |
| | | Nickel | 22.5 | 4 | mg/kg |
| | | Selenium | <2.0 | 2 | mg/kg |
| | | Silver | <0.50 | 0.5 | mg/kg |
| | | Thallium | <1.0 | 1 | mg/kg |
| | | Zinc | 43.1 | 2 | mg/kg |
| | | Corrosivity | 9.4 | | std units |
| 090-WC-BLDG6-1S | 11/19/2010 | 2,4-D | ND | 0.005 | mg/l |
| | | 2,4,5-TP (Silvex) | ND | 0.0015 | mg/l |
| | | gamma-BHC (Lindane) | ND | 0.0002 | mg/l |
| | | Chlordane | ND | 0.005 | mg/l |
| | | Endrin | ND | 0.0002 | mg/l |
| | | Heptachlor | ND | 0.0002 | mg/l |
| | | Heptachlor epoxide | ND | 0.0002 | mg/l |
| | | Methoxychlor | ND | 0.0002 | mg/l |
| | | Toxaphene | ND | 0.0025 | mg/l |
| | | Aroclor-1016 | ND | 30 | ug/kg |
| | | Aroclor-1221 | ND | 30 | ug/kg |
| | | Aroclor-1232 | ND | 30 | ug/kg |
| | | Aroclor-1242 | ND | 30 | ug/kg |
| | | Aroclor-1248 | ND | 30 | ug/kg |
| | | Aroclor-1254 | ND | 30 | ug/kg |
| | | Aroclor-1260 | ND | 30 | ug/kg |
| | | Arsenic | <0.50 | 0.5 | mg/l |
| | | Barium | <1.0 | 1 | mg/l |
| | | Cadmium | <0.0050 | 0.005 | mg/l |
| | | Chromium | <0.010 | 0.01 | mg/l |
| | | Lead | <0.50 | 0.5 | mg/l |
| | | Mercury | <0.00020 | 0.0002 | mg/l |
| | | Selenium | <0.50 | 0.5 | mg/l |
| | | Silver | <0.010 | 0.01 | mg/l |
| | | Antimony | <2.1 | 2 | mg/kg |
| | | Arsenic | <2.1 | 2 | mg/kg |
| | | Beryllium | <0.21 | 0.2 | mg/kg |
| | | Cadmium | <0.52 | 0.5 | mg/kg |
| | | Chromium, Hexavalent | 1.1 | 0.41 | mg/kg |
| | | Chromium | 43.5 | 1 | mg/kg |
| | | Copper | 20.4 | 2.6 | mg/kg |
| | | Lead | 11.4 | 2.1 | mg/kg |
| | | Mercury | 7 | 0.33 | mg/kg |
| | | Nickel | 12.8 | 4.1 | mg/kg |
| | | Selenium | <2.1 | 2.1 | mg/kg |
| | | Silver | <0.52 | 0.52 | mg/kg |
| | | Thallium | <1.0 | 1 | mg/kg |
| | | Zinc | 63.8 | 2.1 | mg/kg |
| | | Corrosivity | 8.86 | | std units |

Table Notes:

ND - Not Detected
RL - Reporting Limit

TABLE 3C

**SA-5 NJCU (SITE090) BUILDING 5 ASPHALT STOCKPILE
WASTE CHARACTERIZATION RESULT LIST**

| Composite Sample ID | Sample Date | Parameter | Result | RL | Units |
|---------------------|-------------|----------------------|----------|--------|-----------|
| 090-WC-B5ASP-1 | 2/4/2011 | 2,4-D | ND | 0.005 | mg/l |
| | | 2,4,5-TP (Silvex) | ND | 0.0015 | mg/l |
| | | gamma-BHC (Lindane) | ND | 0.0002 | mg/l |
| | | Chlordane | ND | 0.005 | mg/l |
| | | Endrin | ND | 0.0002 | mg/l |
| | | Heptachlor | ND | 0.0002 | mg/l |
| | | Heptachlor epoxide | ND | 0.0002 | mg/l |
| | | Methoxychlor | ND | 0.0002 | mg/l |
| | | Toxaphene | ND | 0.0025 | mg/l |
| | | 2,4-D | ND | 15 | ug/kg |
| | | 2,4,5-TP (Silvex) | ND | 2.9 | ug/kg |
| | | 2,4,5-T | ND | 2.9 | ug/kg |
| | | Aldrin | ND | 1.2 | ug/kg |
| | | alpha-BHC | ND | 1.2 | ug/kg |
| | | beta-BHC | ND | 1.2 | ug/kg |
| | | delta-BHC | ND | 1.2 | ug/kg |
| | | gamma-BHC (Lindane) | ND | 1.2 | ug/kg |
| | | alpha-Chlordane | ND | 1.2 | ug/kg |
| | | gamma-Chlordane | ND | 1.2 | ug/kg |
| | | Dieldrin | ND | 1.2 | ug/kg |
| | | 4,4'-DDD | ND | 1.2 | ug/kg |
| | | 4,4'-DDE | ND | 1.2 | ug/kg |
| | | 4,4'-DDT | ND | 1.2 | ug/kg |
| | | Endrin | ND | 1.2 | ug/kg |
| | | Endosulfan sulfate | ND | 1.2 | ug/kg |
| | | Endrin aldehyde | 3.1 | 1.2 | ug/kg |
| | | Endosulfan-I | ND | 1.2 | ug/kg |
| | | Endosulfan-II | ND | 1.2 | ug/kg |
| | | Heptachlor | ND | 1.2 | ug/kg |
| | | Heptachlor epoxide | ND | 1.2 | ug/kg |
| | | Methoxychlor | ND | 1.2 | ug/kg |
| | | Endrin ketone | 6.7 | 1.2 | ug/kg |
| | | Toxaphene | ND | 15 | ug/kg |
| | | Aroclor-1016 | ND | 30 | ug/kg |
| | | Aroclor-1221 | ND | 30 | ug/kg |
| | | Aroclor-1232 | ND | 30 | ug/kg |
| | | Aroclor-1242 | ND | 30 | ug/kg |
| | | Aroclor-1248 | ND | 30 | ug/kg |
| | | Aroclor-1254 | ND | 30 | ug/kg |
| | | Aroclor-1260 | ND | 30 | ug/kg |
| | | Arsenic | <0.5 | 0.5 | mg/l |
| | | Barium | <1.0 | 1 | mg/l |
| | | Cadmium | <0.005 | 0.005 | mg/l |
| | | Chromium | <0.010 | 0.01 | mg/l |
| | | Lead | <0.50 | 0.5 | mg/l |
| | | Mercury | <0.00020 | 0.0002 | mg/l |
| | | Selenium | <0.50 | 0.5 | mg/l |
| | | Silver | <0.010 | 0.01 | mg/l |
| | | Antimony | <2.0 | 2 | mg/kg |
| | | Arsenic | <2.0 | 2 | mg/kg |
| | | Beryllium | <0.20 | 0.2 | mg/kg |
| | | Cadmium | <0.49 | 0.49 | mg/kg |
| | | Chromium, Hexavalent | <0.40 | 0.4 | mg/kg |
| | | Chromium | 12 | 0.98 | mg/kg |
| | | Copper | 32 | 2.4 | mg/kg |
| | | Lead | 10.2 | 2 | mg/kg |
| | | Mercury | 0.07 | 0.031 | mg/kg |
| | | Nickel | 21.2 | 3.9 | mg/kg |
| | | Selenium | <2.0 | 2 | mg/kg |
| | | Silver | <0.49 | 0.49 | mg/kg |
| | | Thallium | <0.98 | 0.98 | mg/kg |
| | | Zinc | 30.5 | 2 | mg/kg |
| | | Corrosivity | 8.61 | | std units |

TABLE 3C

**SA-5 NJCU (SITE090) BUILDING 5 ASPHALT STOCKPILE
WASTE CHARACTERIZATION RESULT LIST**

| Composite Sample ID | Sample Date | Parameter | Result | RL | Units |
|---------------------|-------------|----------------------|----------|--------|-----------|
| 090-WC-B5ASP-2 | 2/4/2011 | 2,4-D | ND | 0.005 | mg/l |
| | | 2,4,5-TP (Silvex) | ND | 0.0015 | mg/l |
| | | gamma-BHC (Lindane) | ND | 0.0002 | mg/l |
| | | Chlordane | ND | 0.005 | mg/l |
| | | Endrin | ND | 0.0002 | mg/l |
| | | Heptachlor | ND | 0.0002 | mg/l |
| | | Heptachlor epoxide | ND | 0.0002 | mg/l |
| | | Methoxychlor | ND | 0.0002 | mg/l |
| | | Toxaphene | ND | 0.0025 | mg/l |
| | | 2,4-D | ND | 15 | ug/kg |
| | | 2,4,5-TP (Silvex) | ND | 2.9 | ug/kg |
| | | 2,4,5-T | ND | 2.9 | ug/kg |
| | | Aldrin | ND | 1.2 | ug/kg |
| | | alpha-BHC | ND | 1.2 | ug/kg |
| | | beta-BHC | ND | 1.2 | ug/kg |
| | | delta-BHC | ND | 1.2 | ug/kg |
| | | gamma-BHC (Lindane) | ND | 1.2 | ug/kg |
| | | alpha-Chlordane | ND | 1.2 | ug/kg |
| | | gamma-Chlordane | ND | 1.2 | ug/kg |
| | | Dieldrin | ND | 1.2 | ug/kg |
| | | 4,4'-DDD | ND | 1.2 | ug/kg |
| | | 4,4'-DDE | ND | 1.2 | ug/kg |
| | | 4,4'-DDT | ND | 1.2 | ug/kg |
| | | Endrin | ND | 1.2 | ug/kg |
| | | Endosulfan sulfate | ND | 1.2 | ug/kg |
| | | Endrin aldehyde | 1.2 | 1.2 | ug/kg |
| | | Endosulfan-I | ND | 1.2 | ug/kg |
| | | Endosulfan-II | ND | 1.2 | ug/kg |
| | | Heptachlor | ND | 1.2 | ug/kg |
| | | Heptachlor epoxide | ND | 1.2 | ug/kg |
| | | Methoxychlor | ND | 1.2 | ug/kg |
| | | Endrin ketone | 1.4 | 1.2 | ug/kg |
| | | Toxaphene | ND | 15 | ug/kg |
| | | Aroclor-1016 | ND | 30 | ug/kg |
| | | Aroclor-1221 | ND | 30 | ug/kg |
| | | Aroclor-1232 | ND | 30 | ug/kg |
| | | Aroclor-1242 | ND | 30 | ug/kg |
| | | Aroclor-1248 | ND | 30 | ug/kg |
| | | Aroclor-1254 | ND | 30 | ug/kg |
| | | Aroclor-1260 | ND | 30 | ug/kg |
| | | Arsenic | <0.5 | 0.5 | mg/l |
| | | Barium | <1.0 | 1 | mg/l |
| | | Cadmium | <0.005 | 0.005 | mg/l |
| | | Chromium | <0.010 | 0.01 | mg/l |
| | | Lead | <0.50 | 0.5 | mg/l |
| | | Mercury | <0.00020 | 0.0002 | mg/l |
| | | Selenium | <0.50 | 0.5 | mg/l |
| | | Silver | <0.010 | 0.01 | mg/l |
| | | Antimony | <2.0 | 2 | mg/kg |
| | | Arsenic | 2.3 | 2 | mg/kg |
| | | Beryllium | 0.25 | 0.2 | mg/kg |
| | | Cadmium | <0.49 | 0.49 | mg/kg |
| | | Chromium, Hexavalent | <0.40 | 0.4 | mg/kg |
| | | Chromium | 12.1 | 0.98 | mg/kg |
| | | Copper | 32.6 | 2.4 | mg/kg |
| | | Lead | 10.4 | 2 | mg/kg |
| | | Mercury | 0.12 | 0.031 | mg/kg |
| | | Nickel | 17.8 | 3.9 | mg/kg |
| | | Selenium | <2.0 | 2 | mg/kg |
| | | Silver | <0.49 | 0.49 | mg/kg |
| | | Thallium | <0.99 | 0.98 | mg/kg |
| | | Zinc | 34.6 | 2 | mg/kg |
| | | Corrosivity | 8.86 | | std units |

TABLE 3C

**SA-5 NJCU (SITE090) BUILDING 5 ASPHALT STOCKPILE
WASTE CHARACTERIZATION RESULT LIST**

| Composite Sample ID | Sample Date | Parameter | Result | RL | Units |
|---------------------|-------------|----------------------|----------|--------|-----------|
| 090-WC-B5ASP-3 | 2/4/2011 | 2,4-D | ND | 0.005 | mg/l |
| | | 2,4,5-TP (Silvex) | ND | 0.0015 | mg/l |
| | | gamma-BHC (Lindane) | ND | 0.0002 | mg/l |
| | | Chlordane | ND | 0.005 | mg/l |
| | | Endrin | ND | 0.0002 | mg/l |
| | | Heptachlor | ND | 0.0002 | mg/l |
| | | Heptachlor epoxide | ND | 0.0002 | mg/l |
| | | Methoxychlor | ND | 0.0002 | mg/l |
| | | Toxaphene | ND | 0.0025 | mg/l |
| | | 2,4-D | ND | 15 | ug/kg |
| | | 2,4,5-TP (Silvex) | ND | 2.9 | ug/kg |
| | | 2,4,5-T | ND | 2.9 | ug/kg |
| | | Aldrin | ND | 1.2 | ug/kg |
| | | alpha-BHC | ND | 1.2 | ug/kg |
| | | beta-BHC | ND | 1.2 | ug/kg |
| | | delta-BHC | ND | 1.2 | ug/kg |
| | | gamma-BHC (Lindane) | ND | 1.2 | ug/kg |
| | | alpha-Chlordane | ND | 1.2 | ug/kg |
| | | gamma-Chlordane | ND | 1.2 | ug/kg |
| | | Dieldrin | ND | 1.2 | ug/kg |
| | | 4,4'-DDD | ND | 1.2 | ug/kg |
| | | 4,4'-DDE | ND | 1.2 | ug/kg |
| | | 4,4'-DDT | ND | 1.2 | ug/kg |
| | | Endrin | ND | 1.2 | ug/kg |
| | | Endosulfan sulfate | ND | 1.2 | ug/kg |
| | | Endrin aldehyde | 7.2 | 1.2 | ug/kg |
| | | Endosulfan-I | ND | 1.2 | ug/kg |
| | | Endosulfan-II | ND | 1.2 | ug/kg |
| | | Heptachlor | ND | 1.2 | ug/kg |
| | | Heptachlor epoxide | ND | 1.2 | ug/kg |
| | | Methoxychlor | ND | 1.2 | ug/kg |
| | | Endrin ketone | 6 | 1.2 | ug/kg |
| | | Toxaphene | ND | 15 | ug/kg |
| | | Aroclor-1016 | ND | 30 | ug/kg |
| | | Aroclor-1221 | ND | 30 | ug/kg |
| | | Aroclor-1232 | ND | 30 | ug/kg |
| | | Aroclor-1242 | ND | 30 | ug/kg |
| | | Aroclor-1248 | ND | 30 | ug/kg |
| | | Aroclor-1254 | ND | 30 | ug/kg |
| | | Aroclor-1260 | ND | 30 | ug/kg |
| | | Arsenic | <0.5 | 0.5 | mg/l |
| | | Barium | <1.0 | 1 | mg/l |
| | | Cadmium | <0.005 | 0.005 | mg/l |
| | | Chromium | <0.010 | 0.01 | mg/l |
| | | Lead | <0.50 | 0.5 | mg/l |
| | | Mercury | <0.00020 | 0.0002 | mg/l |
| | | Selenium | <0.50 | 0.5 | mg/l |
| | | Silver | <0.010 | 0.01 | mg/l |
| | | Antimony | <2.1 | 2.1 | mg/kg |
| | | Arsenic | <2.1 | 2.1 | mg/kg |
| | | Beryllium | 0.26 | 0.21 | mg/kg |
| | | Cadmium | <0.54 | 0.54 | mg/kg |
| | | Chromium, Hexavalent | <0.40 | 0.4 | mg/kg |
| | | Chromium | 11.8 | 1.1 | mg/kg |
| | | Copper | 27.6 | 2.7 | mg/kg |
| | | Lead | 6.6 | 2.1 | mg/kg |
| | | Mercury | 0.04 | 0.033 | mg/kg |
| | | Nickel | 21.7 | 4.3 | mg/kg |
| | | Selenium | <2.1 | 2.1 | mg/kg |
| | | Silver | <0.54 | 0.54 | mg/kg |
| | | Thallium | <1.1 | 1.1 | mg/kg |
| | | Zinc | 28.8 | 2.1 | mg/kg |
| | | Corrosivity | 8.76 | | std units |

TABLE 3C

**SA-5 NJCU (SITE090) BUILDING 5 ASPHALT STOCKPILE
WASTE CHARACTERIZATION RESULT LIST**

| Composite Sample ID | Sample Date | Parameter | Result | RL | Units |
|-----------------------|-----------------|----------------------|----------|--------|-----------|
| 090-WC-B5ASP-4 | 2/4/2011 | 2,4-D | ND | 0.005 | mg/l |
| | | 2,4,5-TP (Silvex) | ND | 0.0015 | mg/l |
| | | gamma-BHC (Lindane) | ND | 0.0002 | mg/l |
| | | Chlordane | ND | 0.005 | mg/l |
| | | Endrin | ND | 0.0002 | mg/l |
| | | Heptachlor | ND | 0.0002 | mg/l |
| | | Heptachlor epoxide | ND | 0.0002 | mg/l |
| | | Methoxychlor | ND | 0.0002 | mg/l |
| | | Toxaphene | ND | 0.0025 | mg/l |
| | | 2,4-D | ND | 15 | ug/kg |
| | | 2,4,5-TP (Silvex) | ND | 2.9 | ug/kg |
| | | 2,4,5-T | ND | 2.9 | ug/kg |
| | | Aldrin | ND | 1.2 | ug/kg |
| | | alpha-BHC | ND | 1.2 | ug/kg |
| | | beta-BHC | ND | 1.2 | ug/kg |
| | | delta-BHC | ND | 1.2 | ug/kg |
| | | gamma-BHC (Lindane) | ND | 1.2 | ug/kg |
| | | alpha-Chlordane | ND | 1.2 | ug/kg |
| | | gamma-Chlordane | ND | 1.2 | ug/kg |
| | | Dieldrin | ND | 1.2 | ug/kg |
| | | 4,4'-DDD | ND | 1.2 | ug/kg |
| | | 4,4'-DDE | ND | 1.2 | ug/kg |
| | | 4,4'-DDT | ND | 1.2 | ug/kg |
| | | Endrin | ND | 1.2 | ug/kg |
| | | Endosulfan sulfate | ND | 1.2 | ug/kg |
| | | Endrin aldehyde | 6.2 | 1.2 | ug/kg |
| | | Endosulfan-I | ND | 1.2 | ug/kg |
| | | Endosulfan-II | ND | 1.2 | ug/kg |
| | | Heptachlor | ND | 1.2 | ug/kg |
| | | Heptachlor epoxide | ND | 1.2 | ug/kg |
| | | Methoxychlor | ND | 1.2 | ug/kg |
| | | Endrin ketone | 3.3 | 1.2 | ug/kg |
| | | Toxaphene | ND | 15 | ug/kg |
| | | Aroclor-1016 | ND | 30 | ug/kg |
| | | Aroclor-1221 | ND | 30 | ug/kg |
| | | Aroclor-1232 | ND | 30 | ug/kg |
| | | Aroclor-1242 | ND | 30 | ug/kg |
| | | Aroclor-1248 | ND | 30 | ug/kg |
| | | Aroclor-1254 | ND | 30 | ug/kg |
| | | Aroclor-1260 | ND | 30 | ug/kg |
| | | Arsenic | <0.5 | 0.5 | mg/l |
| | | Barium | <1.0 | 1 | mg/l |
| | | Cadmium | <0.005 | 0.005 | mg/l |
| | | Chromium | <0.010 | 0.01 | mg/l |
| | | Lead | <0.50 | 0.5 | mg/l |
| | | Mercury | <0.00020 | 0.0002 | mg/l |
| | | Selenium | <0.50 | 0.5 | mg/l |
| | | Silver | <0.010 | 0.01 | mg/l |
| | | Antimony | <2.0 | 2 | mg/kg |
| | | Arsenic | <2.0 | 2 | mg/kg |
| | | Beryllium | <0.20 | 0.2 | mg/kg |
| | | Cadmium | <0.50 | 0.5 | mg/kg |
| | | Chromium, Hexavalent | <0.40 | 0.4 | mg/kg |
| | | Chromium | 9.6 | 0.99 | mg/kg |
| | | Copper | 29.8 | 2.5 | mg/kg |
| | | Lead | 6.2 | 2 | mg/kg |
| | | Mercury | 0.07 | 0.034 | mg/kg |
| | | Nickel | 18.2 | 4 | mg/kg |
| | | Selenium | <2.0 | 2 | mg/kg |
| | | Silver | <0.50 | 0.5 | mg/kg |
| | | Thallium | <0.99 | 0.99 | mg/kg |
| | | Zinc | 28.1 | 2 | mg/kg |
| | | Corrosivity | 7.54 | | std units |

TABLE 3C

**SA-5 NJCU (SITE090) BUILDING 5 ASPHALT STOCKPILE
WASTE CHARACTERIZATION RESULT LIST**

| Composite Sample ID | Sample Date | Parameter | Result | RL | Units |
|---------------------|-------------|----------------------|----------|--------|-----------|
| 090-WC-B5ASP-5 | 2/4/2011 | 2,4-D | ND | 0.005 | mg/l |
| | | 2,4,5-TP (Silvex) | ND | 0.0015 | mg/l |
| | | gamma-BHC (Lindane) | ND | 0.0002 | mg/l |
| | | Chlordane | ND | 0.005 | mg/l |
| | | Endrin | ND | 0.0002 | mg/l |
| | | Heptachlor | ND | 0.0002 | mg/l |
| | | Heptachlor epoxide | ND | 0.0002 | mg/l |
| | | Methoxychlor | ND | 0.0002 | mg/l |
| | | Toxaphene | ND | 0.0025 | mg/l |
| | | 2,4-D | ND | 15 | ug/kg |
| | | 2,4,5-TP (Silvex) | ND | 2.9 | ug/kg |
| | | 2,4,5-T | ND | 2.9 | ug/kg |
| | | Aldrin | ND | 1.2 | ug/kg |
| | | alpha-BHC | ND | 1.2 | ug/kg |
| | | beta-BHC | ND | 1.2 | ug/kg |
| | | delta-BHC | ND | 1.2 | ug/kg |
| | | gamma-BHC (Lindane) | ND | 1.2 | ug/kg |
| | | alpha-Chlordane | ND | 1.2 | ug/kg |
| | | gamma-Chlordane | ND | 1.2 | ug/kg |
| | | Dieldrin | ND | 1.2 | ug/kg |
| | | 4,4'-DDD | ND | 1.2 | ug/kg |
| | | 4,4'-DDE | ND | 1.2 | ug/kg |
| | | 4,4'-DDT | ND | 1.2 | ug/kg |
| | | Endrin | ND | 1.2 | ug/kg |
| | | Endosulfan sulfate | ND | 1.2 | ug/kg |
| | | Endrin aldehyde | ND | 1.2 | ug/kg |
| | | Endosulfan-I | ND | 1.2 | ug/kg |
| | | Endosulfan-II | ND | 1.2 | ug/kg |
| | | Heptachlor | ND | 1.2 | ug/kg |
| | | Heptachlor epoxide | ND | 1.2 | ug/kg |
| | | Methoxychlor | ND | 1.2 | ug/kg |
| | | Endrin ketone | 1.5 | 1.2 | ug/kg |
| | | Toxaphene | ND | 15 | ug/kg |
| | | Aroclor-1016 | ND | 30 | ug/kg |
| | | Aroclor-1221 | ND | 30 | ug/kg |
| | | Aroclor-1232 | ND | 30 | ug/kg |
| | | Aroclor-1242 | ND | 30 | ug/kg |
| | | Aroclor-1248 | ND | 30 | ug/kg |
| | | Aroclor-1254 | ND | 30 | ug/kg |
| | | Aroclor-1260 | ND | 30 | ug/kg |
| | | Arsenic | <0.5 | 0.5 | mg/l |
| | | Barium | <1.0 | 1 | mg/l |
| | | Cadmium | <0.005 | 0.005 | mg/l |
| | | Chromium | <0.010 | 0.01 | mg/l |
| | | Lead | <0.50 | 0.5 | mg/l |
| | | Mercury | <0.00020 | 0.0002 | mg/l |
| | | Selenium | <0.50 | 0.5 | mg/l |
| | | Silver | <0.010 | 0.01 | mg/l |
| | | Antimony | <2.1 | 2.1 | mg/kg |
| | | Arsenic | 2.3 | 2.1 | mg/kg |
| | | Beryllium | 0.3 | 0.21 | mg/kg |
| | | Cadmium | <0.54 | 0.54 | mg/kg |
| | | Chromium, Hexavalent | <0.41 | 0.41 | mg/kg |
| | | Chromium | 10.4 | 1.1 | mg/kg |
| | | Copper | 34.7 | 2.7 | mg/kg |
| | | Lead | 11 | 2.1 | mg/kg |
| | | Mercury | 0.14 | 0.033 | mg/kg |
| | | Nickel | 18.4 | 4.3 | mg/kg |
| | | Selenium | <2.1 | 2.1 | mg/kg |
| | | Silver | <0.54 | 0.54 | mg/kg |
| | | Thallium | <1.1 | 1.1 | mg/kg |
| | | Zinc | 35.2 | 2.1 | mg/kg |
| | | Corrosivity | 6.66 | | std units |

TABLE 3C

**SA-5 NJCU (SITE090) BUILDING 5 ASPHALT STOCKPILE
WASTE CHARACTERIZATION RESULT LIST**

| Composite Sample ID | Sample Date | Parameter | Result | RL | Units |
|---------------------|-------------|----------------------|----------|--------|-----------|
| 090-WC-B5ASP-6 | 2/4/2011 | 2,4-D | ND | 0.005 | mg/l |
| | | 2,4,5-TP (Silvex) | ND | 0.0015 | mg/l |
| | | gamma-BHC (Lindane) | ND | 0.0002 | mg/l |
| | | Chlordane | ND | 0.005 | mg/l |
| | | Endrin | ND | 0.0002 | mg/l |
| | | Heptachlor | ND | 0.0002 | mg/l |
| | | Heptachlor epoxide | ND | 0.0002 | mg/l |
| | | Methoxychlor | ND | 0.0002 | mg/l |
| | | Toxaphene | ND | 0.0025 | mg/l |
| | | 2,4-D | ND | 14 | ug/kg |
| | | 2,4,5-TP (Silvex) | ND | 2.9 | ug/kg |
| | | 2,4,5-T | ND | 2.9 | ug/kg |
| | | Aldrin | ND | 1.2 | ug/kg |
| | | alpha-BHC | ND | 1.2 | ug/kg |
| | | beta-BHC | ND | 1.2 | ug/kg |
| | | delta-BHC | ND | 1.2 | ug/kg |
| | | gamma-BHC (Lindane) | ND | 1.2 | ug/kg |
| | | alpha-Chlordane | 1.5 | 1.2 | ug/kg |
| | | gamma-Chlordane | 1.3 | 1.2 | ug/kg |
| | | Dieldrin | ND | 1.2 | ug/kg |
| | | 4,4'-DDD | 1.3 | 1.2 | ug/kg |
| | | 4,4'-DDE | 3.9 | 1.2 | ug/kg |
| | | 4,4'-DDT | ND | 1.2 | ug/kg |
| | | Endrin | ND | 1.2 | ug/kg |
| | | Endosulfan sulfate | ND | 1.2 | ug/kg |
| | | Endrin aldehyde | 4.1 | 1.2 | ug/kg |
| | | Endosulfan-I | ND | 1.2 | ug/kg |
| | | Endosulfan-II | ND | 1.2 | ug/kg |
| | | Heptachlor | ND | 1.2 | ug/kg |
| | | Heptachlor epoxide | ND | 1.2 | ug/kg |
| | | Methoxychlor | ND | 1.2 | ug/kg |
| | | Endrin ketone | 7.3 | 1.2 | ug/kg |
| | | Toxaphene | ND | 15 | ug/kg |
| | | Aroclor-1016 | ND | 30 | ug/kg |
| | | Aroclor-1221 | ND | 30 | ug/kg |
| | | Aroclor-1232 | ND | 30 | ug/kg |
| | | Aroclor-1242 | ND | 30 | ug/kg |
| | | Aroclor-1248 | ND | 30 | ug/kg |
| | | Aroclor-1254 | ND | 30 | ug/kg |
| | | Aroclor-1260 | ND | 30 | ug/kg |
| | | Arsenic | <0.5 | 0.5 | mg/l |
| | | Barium | <1.0 | 1 | mg/l |
| | | Cadmium | <0.005 | 0.005 | mg/l |
| | | Chromium | <0.010 | 0.01 | mg/l |
| | | Lead | <0.50 | 0.5 | mg/l |
| | | Mercury | <0.00020 | 0.0002 | mg/l |
| | | Selenium | <0.50 | 0.5 | mg/l |
| | | Silver | <0.010 | 0.01 | mg/l |
| | | Antimony | <2.0 | 2 | mg/kg |
| | | Arsenic | <2.0 | 2 | mg/kg |
| | | Beryllium | <0.20 | 0.2 | mg/kg |
| | | Cadmium | <0.50 | 0.5 | mg/kg |
| | | Chromium, Hexavalent | <0.39 | 0.39 | mg/kg |
| | | Chromium | 17.7 | 1 | mg/kg |
| | | Copper | 52 | 2.5 | mg/kg |
| | | Lead | 9.6 | 2 | mg/kg |
| | | Mercury | <0.033 | 0.033 | mg/kg |
| | | Nickel | 28 | 4 | mg/kg |
| | | Selenium | <2.0 | 2 | mg/kg |
| | | Silver | <0.50 | 0.5 | mg/kg |
| | | Thallium | <1.0 | 1 | mg/kg |
| | | Zinc | 70.6 | 2 | mg/kg |
| | | Corrosivity | 7.6 | | std units |

Table Notes:

ND - Not Detected
RL - Reporting Limit

TABLE 3D

**SA-5 NJCU (SITE090) BUILDING 7 ASPHALT
WASTE CHARACTERIZATION RESULT LIST**

| Composite Sample ID | Sample Date | Parameter | Result | RL | Units |
|---------------------|-------------|----------------------|----------|--------|-----------|
| 090-WC-B7ASP-1 | 2/23/2011 | 2,4-D | ND | 0.005 | mg/l |
| | | 2,4,5-TP (Silvex) | ND | 0.0015 | mg/l |
| | | gamma-BHC (Lindane) | ND | 0.0002 | mg/l |
| | | Chlordane | ND | 0.005 | mg/l |
| | | Endrin | ND | 0.0002 | mg/l |
| | | Heptachlor | ND | 0.0002 | mg/l |
| | | Heptachlor epoxide | ND | 0.0002 | mg/l |
| | | Methoxychlor | ND | 0.0002 | mg/l |
| | | Toxaphene | ND | 0.0025 | mg/l |
| | | 2,4-D | ND | 15 | ug/kg |
| | | 2,4,5-TP (Silvex) | ND | 3 | ug/kg |
| | | 2,4,5-T | ND | 3 | ug/kg |
| | | Aldrin | ND | 1.3 | ug/kg |
| | | alpha-BHC | ND | 1.3 | ug/kg |
| | | beta-BHC | ND | 1.3 | ug/kg |
| | | delta-BHC | ND | 1.3 | ug/kg |
| | | gamma-BHC (Lindane) | ND | 1.3 | ug/kg |
| | | alpha-Chlordane | ND | 1.3 | ug/kg |
| | | gamma-Chlordane | ND | 1.3 | ug/kg |
| | | Dieldrin | ND | 1.3 | ug/kg |
| | | 4,4'-DDD | ND | 1.3 | ug/kg |
| | | 4,4'-DDE | ND | 1.3 | ug/kg |
| | | 4,4'-DDT | ND | 1.3 | ug/kg |
| | | Endrin | ND | 1.3 | ug/kg |
| | | Endosulfan sulfate | ND | 1.3 | ug/kg |
| | | Endrin aldehyde | ND | 1.3 | ug/kg |
| | | Endosulfan-I | ND | 1.3 | ug/kg |
| | | Endosulfan-II | ND | 1.3 | ug/kg |
| | | Heptachlor | ND | 1.3 | ug/kg |
| | | Heptachlor epoxide | ND | 1.3 | ug/kg |
| | | Methoxychlor | ND | 1.3 | ug/kg |
| | | Endrin ketone | ND | 1.3 | ug/kg |
| | | Toxaphene | ND | 16 | ug/kg |
| | | Aroclor-1016 | ND | 31 | ug/kg |
| | | Aroclor-1221 | ND | 31 | ug/kg |
| | | Aroclor-1232 | ND | 31 | ug/kg |
| | | Aroclor-1242 | ND | 31 | ug/kg |
| | | Aroclor-1248 | ND | 31 | ug/kg |
| | | Aroclor-1254 | ND | 31 | ug/kg |
| | | Aroclor-1260 | ND | 31 | ug/kg |
| | | Arsenic | <0.50 | 0.5 | mg/l |
| | | Barium | <1.0 | 1 | mg/l |
| | | Cadmium | 0.01 | 0.005 | mg/l |
| | | Chromium | <0.010 | 0.01 | mg/l |
| | | Lead | <0.50 | 0.5 | mg/l |
| | | Mercury | <0.00020 | 0.0002 | mg/l |
| | | Selenium | <0.50 | 0.5 | mg/l |
| | | Silver | <0.010 | 0.01 | mg/l |
| | | Antimony | <2.1 | 2.1 | mg/kg |
| | | Arsenic | <2.1 | 2.1 | mg/kg |
| | | Beryllium | <0.21 | 0.21 | mg/kg |
| | | Cadmium | <0.52 | 0.52 | mg/kg |
| | | Chromium, Hexavalent | <0.40 | 0.44 | mg/kg |
| | | Chromium | 14.5 | 1 | mg/kg |
| | | Copper | 287 | 2.6 | mg/kg |
| | | Lead | 11.5 | 2.1 | mg/kg |
| | | Mercury | 0.36 | 0.031 | mg/kg |
| | | Nickel | 27.7 | 4.1 | mg/kg |
| | | Selenium | <2.1 | 2.1 | mg/kg |
| | | Silver | 0.59 | 0.52 | mg/kg |
| | | Thallium | <1.0 | 1 | mg/kg |
| | | Zinc | 76.6 | 2.1 | mg/kg |
| | | Corrosivity | 9.49 | | std units |

TABLE 3D

**SA-5 NJCU (SITE090) BUILDING 7 ASPHALT
WASTE CHARACTERIZATION RESULT LIST**

| Composite Sample ID | Sample Date | Parameter | Result | RL | Units |
|---------------------|-------------|----------------------|----------|--------|-----------|
| 090-WC-B7ASP-2 | 2/23/2011 | 2,4-D | ND | 0.005 | mg/l |
| | | 2,4,5-TP (Silvex) | ND | 0.0015 | mg/l |
| | | gamma-BHC (Lindane) | ND | 0.0002 | mg/l |
| | | Chlordane | ND | 0.005 | mg/l |
| | | Endrin | ND | 0.0002 | mg/l |
| | | Heptachlor | ND | 0.0002 | mg/l |
| | | Heptachlor epoxide | ND | 0.0002 | mg/l |
| | | Methoxychlor | ND | 0.0002 | mg/l |
| | | Toxaphene | ND | 0.0025 | mg/l |
| | | 2,4-D | ND | 15 | ug/kg |
| | | 2,4,5-TP (Silvex) | ND | 3.1 | ug/kg |
| | | 2,4,5-T | ND | 3.1 | ug/kg |
| | | Aldrin | ND | 1.2 | ug/kg |
| | | alpha-BHC | ND | 1.2 | ug/kg |
| | | beta-BHC | ND | 1.2 | ug/kg |
| | | delta-BHC | ND | 1.2 | ug/kg |
| | | gamma-BHC (Lindane) | ND | 1.2 | ug/kg |
| | | alpha-Chlordane | ND | 1.2 | ug/kg |
| | | gamma-Chlordane | ND | 1.2 | ug/kg |
| | | Dieldrin | ND | 1.2 | ug/kg |
| | | 4,4'-DDD | ND | 1.2 | ug/kg |
| | | 4,4'-DDE | ND | 1.2 | ug/kg |
| | | 4,4'-DDT | ND | 1.2 | ug/kg |
| | | Endrin | ND | 1.2 | ug/kg |
| | | Endosulfan sulfate | ND | 1.2 | ug/kg |
| | | Endrin aldehyde | ND | 1.2 | ug/kg |
| | | Endosulfan-I | ND | 1.2 | ug/kg |
| | | Endosulfan-II | ND | 1.2 | ug/kg |
| | | Heptachlor | ND | 1.2 | ug/kg |
| | | Heptachlor epoxide | ND | 1.2 | ug/kg |
| | | Methoxychlor | ND | 1.2 | ug/kg |
| | | Endrin ketone | ND | 1.2 | ug/kg |
| | | Toxaphene | ND | 15 | ug/kg |
| | | Aroclor-1016 | ND | 31 | ug/kg |
| | | Aroclor-1221 | ND | 31 | ug/kg |
| | | Aroclor-1232 | ND | 31 | ug/kg |
| | | Aroclor-1242 | ND | 31 | ug/kg |
| | | Aroclor-1248 | ND | 31 | ug/kg |
| | | Aroclor-1254 | ND | 31 | ug/kg |
| | | Aroclor-1260 | ND | 31 | ug/kg |
| | | Arsenic | <0.50 | 0.5 | mg/l |
| | | Barium | <1.0 | 1 | mg/l |
| | | Cadmium | <0.0050 | 0.005 | mg/l |
| | | Chromium | <0.010 | 0.01 | mg/l |
| | | Lead | <0.50 | 0.5 | mg/l |
| | | Mercury | <0.00020 | 0.0002 | mg/l |
| | | Selenium | <0.50 | 0.5 | mg/l |
| | | Silver | <0.010 | 0.01 | mg/l |
| | | Antimony | <2.1 | 2.1 | mg/kg |
| | | Arsenic | <2.1 | 2.1 | mg/kg |
| | | Beryllium | <0.21 | 0.21 | mg/kg |
| | | Cadmium | <0.53 | 0.53 | mg/kg |
| | | Chromium, Hexavalent | <0.42 | 0.42 | mg/kg |
| | | Chromium | 6.8 | 1.1 | mg/kg |
| | | Copper | 52.9 | 2.6 | mg/kg |
| | | Lead | 2.4 | 2.1 | mg/kg |
| | | Mercury | 0.046 | 0.036 | mg/kg |
| | | Nickel | 19.4 | 4.2 | mg/kg |
| | | Selenium | <2.1 | 2.1 | mg/kg |
| | | Silver | <0.53 | 0.53 | mg/kg |
| | | Thallium | <1.1 | 1.1 | mg/kg |
| | | Zinc | 22.3 | 2.1 | mg/kg |
| | | Corrosivity | 9.17 | | std units |

TABLE 3D

**SA-5 NJCU (SITE090) BUILDING 7 ASPHALT
WASTE CHARACTERIZATION RESULT LIST**

| Composite Sample ID | Sample Date | Parameter | Result | RL | Units |
|---------------------|-------------|----------------------|----------|--------|-----------|
| 090-WC-B7ASP-3 | 2/23/2011 | 2,4-D | ND | 0.005 | mg/l |
| | | 2,4,5-TP (Silvex) | ND | 0.0015 | mg/l |
| | | gamma-BHC (Lindane) | ND | 0.0002 | mg/l |
| | | Chlordane | ND | 0.005 | mg/l |
| | | Endrin | ND | 0.0002 | mg/l |
| | | Heptachlor | ND | 0.0002 | mg/l |
| | | Heptachlor epoxide | ND | 0.0002 | mg/l |
| | | Methoxychlor | ND | 0.0002 | mg/l |
| | | Toxaphene | ND | 0.0025 | mg/l |
| | | 2,4-D | ND | 15 | ug/kg |
| | | 2,4,5-TP (Silvex) | ND | 3 | ug/kg |
| | | 2,4,5-T | ND | 3 | ug/kg |
| | | Aldrin | ND | 1.2 | ug/kg |
| | | alpha-BHC | ND | 1.2 | ug/kg |
| | | beta-BHC | ND | 1.2 | ug/kg |
| | | delta-BHC | ND | 1.2 | ug/kg |
| | | gamma-BHC (Lindane) | ND | 1.2 | ug/kg |
| | | alpha-Chlordane | ND | 1.2 | ug/kg |
| | | gamma-Chlordane | ND | 1.2 | ug/kg |
| | | Dieldrin | ND | 1.2 | ug/kg |
| | | 4,4'-DDD | ND | 1.2 | ug/kg |
| | | 4,4'-DDE | ND | 1.2 | ug/kg |
| | | 4,4'-DDT | ND | 1.2 | ug/kg |
| | | Endrin | ND | 1.2 | ug/kg |
| | | Endosulfan sulfate | ND | 1.2 | ug/kg |
| | | Endrin aldehyde | ND | 1.2 | ug/kg |
| | | Endosulfan-I | ND | 1.2 | ug/kg |
| | | Endosulfan-II | ND | 1.2 | ug/kg |
| | | Heptachlor | ND | 1.2 | ug/kg |
| | | Heptachlor epoxide | ND | 1.2 | ug/kg |
| | | Methoxychlor | ND | 1.2 | ug/kg |
| | | Endrin ketone | ND | 1.2 | ug/kg |
| | | Toxaphene | ND | 15 | ug/kg |
| | | Aroclor-1016 | ND | 30 | ug/kg |
| | | Aroclor-1221 | ND | 30 | ug/kg |
| | | Aroclor-1232 | ND | 30 | ug/kg |
| | | Aroclor-1242 | ND | 30 | ug/kg |
| | | Aroclor-1248 | ND | 30 | ug/kg |
| | | Aroclor-1254 | ND | 30 | ug/kg |
| | | Aroclor-1260 | ND | 30 | ug/kg |
| | | Arsenic | <0.50 | 0.5 | mg/l |
| | | Barium | <1.0 | 1 | mg/l |
| | | Cadmium | <0.0050 | 0.005 | mg/l |
| | | Chromium | <0.010 | 0.01 | mg/l |
| | | Lead | <0.50 | 0.5 | mg/l |
| | | Mercury | <0.00020 | 0.0002 | mg/l |
| | | Selenium | <0.50 | 0.5 | mg/l |
| | | Silver | <0.010 | 0.01 | mg/l |
| | | Antimony | <2.0 | 2 | mg/kg |
| | | Arsenic | <2.0 | 2 | mg/kg |
| | | Beryllium | <0.20 | 0.2 | mg/kg |
| | | Cadmium | <0.49 | 0.49 | mg/kg |
| | | Chromium, Hexavalent | <0.41 | 0.41 | mg/kg |
| | | Chromium | 22.3 | 0.99 | mg/kg |
| | | Copper | 170 | 2.5 | mg/kg |
| | | Lead | 4.8 | 2 | mg/kg |
| | | Mercury | 0.12 | 0.032 | mg/kg |
| | | Nickel | 24.1 | 3.9 | mg/kg |
| | | Selenium | <2.0 | 2 | mg/kg |
| | | Silver | 1.1 | 0.49 | mg/kg |
| | | Thallium | <0.99 | 0.99 | mg/kg |
| | | Zinc | 26.1 | 2 | mg/kg |
| | | Corrosivity | 8.95 | | std units |

TABLE 3D

**SA-5 NJCU (SITE090) BUILDING 7 ASPHALT
WASTE CHARACTERIZATION RESULT LIST**

| Composite Sample ID | Sample Date | Parameter | Result | RL | Units |
|---------------------|-------------|----------------------|----------|--------|-----------|
| 090-WC-B7ASP-4 | 2/23/2011 | 2,4-D | ND | 0.005 | mg/l |
| | | 2,4,5-TP (Silvex) | ND | 0.0015 | mg/l |
| | | gamma-BHC (Lindane) | ND | 0.0002 | mg/l |
| | | Chlordane | ND | 0.005 | mg/l |
| | | Endrin | ND | 0.0002 | mg/l |
| | | Heptachlor | ND | 0.0002 | mg/l |
| | | Heptachlor epoxide | ND | 0.0002 | mg/l |
| | | Methoxychlor | ND | 0.0002 | mg/l |
| | | Toxaphene | ND | 0.0025 | mg/l |
| | | 2,4-D | ND | 15 | ug/kg |
| | | 2,4,5-TP (Silvex) | ND | 3.1 | ug/kg |
| | | 2,4,5-T | ND | 3.1 | ug/kg |
| | | Aldrin | ND | 1.3 | ug/kg |
| | | alpha-BHC | ND | 1.3 | ug/kg |
| | | beta-BHC | ND | 1.3 | ug/kg |
| | | delta-BHC | ND | 1.3 | ug/kg |
| | | gamma-BHC (Lindane) | ND | 1.3 | ug/kg |
| | | alpha-Chlordane | ND | 1.3 | ug/kg |
| | | gamma-Chlordane | ND | 1.3 | ug/kg |
| | | Dieldrin | ND | 1.3 | ug/kg |
| | | 4,4'-DDD | ND | 1.3 | ug/kg |
| | | 4,4'-DDE | ND | 1.3 | ug/kg |
| | | 4,4'-DDT | ND | 1.3 | ug/kg |
| | | Endrin | ND | 1.3 | ug/kg |
| | | Endosulfan sulfate | ND | 1.3 | ug/kg |
| | | Endrin aldehyde | ND | 1.3 | ug/kg |
| | | Endosulfan-I | ND | 1.3 | ug/kg |
| | | Endosulfan-II | ND | 1.3 | ug/kg |
| | | Heptachlor | ND | 1.3 | ug/kg |
| | | Heptachlor epoxide | ND | 1.3 | ug/kg |
| | | Methoxychlor | ND | 1.3 | ug/kg |
| | | Endrin ketone | ND | 1.3 | ug/kg |
| | | Toxaphene | ND | 16 | ug/kg |
| | | Aroclor-1016 | ND | 31 | ug/kg |
| | | Aroclor-1221 | ND | 31 | ug/kg |
| | | Aroclor-1232 | ND | 31 | ug/kg |
| | | Aroclor-1242 | ND | 31 | ug/kg |
| | | Aroclor-1248 | ND | 31 | ug/kg |
| | | Aroclor-1254 | ND | 31 | ug/kg |
| | | Aroclor-1260 | ND | 31 | ug/kg |
| | | Arsenic | <0.50 | 0.5 | mg/l |
| | | Barium | <1.0 | 1 | mg/l |
| | | Cadmium | 0.0073 | 0.005 | mg/l |
| | | Chromium | <0.010 | 0.01 | mg/l |
| | | Lead | <0.50 | 0.5 | mg/l |
| | | Mercury | <0.00020 | 0.0002 | mg/l |
| | | Selenium | <0.50 | 0.5 | mg/l |
| | | Silver | <0.010 | 0.01 | mg/l |
| | | Antimony | <2.1 | 2.1 | mg/kg |
| | | Arsenic | <2.1 | 2.1 | mg/kg |
| | | Beryllium | <0.21 | 0.21 | mg/kg |
| | | Cadmium | <0.52 | 0.52 | mg/kg |
| | | Chromium, Hexavalent | <0.42 | 0.42 | mg/kg |
| | | Chromium | 3.9 | 1 | mg/kg |
| | | Copper | 40.2 | 2.6 | mg/kg |
| | | Lead | 5.3 | 2.1 | mg/kg |
| | | Mercury | 1.5 | 0.0064 | mg/kg |
| | | Nickel | 11.9 | 4.1 | mg/kg |
| | | Selenium | <2.1 | 2.1 | mg/kg |
| | | Silver | <0.52 | 0.52 | mg/kg |
| | | Thallium | <1.0 | 1 | mg/kg |
| | | Zinc | 24.1 | 2.1 | mg/kg |
| | | Corrosivity | 8.71 | | std units |

TABLE 3D

**SA-5 NJCU (SITE090) BUILDING 7 ASPHALT
WASTE CHARACTERIZATION RESULT LIST**

| Composite Sample ID | Sample Date | Parameter | Result | RL | Units |
|-----------------------|------------------|----------------------|----------|--------|-----------|
| 090-WC-B7ASP-5 | 2/23/2011 | 2,4-D | ND | 0.005 | mg/l |
| | | 2,4,5-TP (Silvex) | ND | 0.0015 | mg/l |
| | | gamma-BHC (Lindane) | ND | 0.0002 | mg/l |
| | | Chlordane | ND | 0.005 | mg/l |
| | | Endrin | ND | 0.0002 | mg/l |
| | | Heptachlor | ND | 0.0002 | mg/l |
| | | Heptachlor epoxide | ND | 0.0002 | mg/l |
| | | Methoxychlor | ND | 0.0002 | mg/l |
| | | Toxaphene | ND | 0.0025 | mg/l |
| | | 2,4-D | ND | 100 | ug/kg |
| | | 2,4,5-TP (Silvex) | ND | 20 | ug/kg |
| | | 2,4,5-T | ND | 20 | ug/kg |
| | | Aldrin | ND | 1.2 | ug/kg |
| | | alpha-BHC | ND | 1.2 | ug/kg |
| | | beta-BHC | ND | 1.2 | ug/kg |
| | | delta-BHC | ND | 1.2 | ug/kg |
| | | gamma-BHC (Lindane) | ND | 1.2 | ug/kg |
| | | alpha-Chlordane | ND | 1.2 | ug/kg |
| | | gamma-Chlordane | ND | 1.2 | ug/kg |
| | | Dieldrin | ND | 1.2 | ug/kg |
| | | 4,4'-DDD | ND | 1.2 | ug/kg |
| | | 4,4'-DDE | ND | 1.2 | ug/kg |
| | | 4,4'-DDT | ND | 1.2 | ug/kg |
| | | Endrin | ND | 1.2 | ug/kg |
| | | Endosulfan sulfate | ND | 1.2 | ug/kg |
| | | Endrin aldehyde | ND | 1.2 | ug/kg |
| | | Endosulfan-I | ND | 1.2 | ug/kg |
| | | Endosulfan-II | ND | 1.2 | ug/kg |
| | | Heptachlor | ND | 1.2 | ug/kg |
| | | Heptachlor epoxide | ND | 1.2 | ug/kg |
| | | Methoxychlor | ND | 1.2 | ug/kg |
| | | Endrin ketone | ND | 1.2 | ug/kg |
| | | Toxaphene | ND | 15 | ug/kg |
| | | Aroclor-1016 | ND | 30 | ug/kg |
| | | Aroclor-1221 | ND | 30 | ug/kg |
| | | Aroclor-1232 | ND | 30 | ug/kg |
| | | Aroclor-1242 | ND | 30 | ug/kg |
| | | Aroclor-1248 | ND | 30 | ug/kg |
| | | Aroclor-1254 | ND | 30 | ug/kg |
| | | Aroclor-1260 | ND | 30 | ug/kg |
| | | Arsenic | <0.50 | 0.5 | mg/l |
| | | Barium | <1.0 | 1 | mg/l |
| | | Cadmium | <0.0050 | 0.005 | mg/l |
| | | Chromium | <0.010 | 0.01 | mg/l |
| | | Lead | <0.50 | 0.5 | mg/l |
| | | Mercury | <0.00020 | 0.0002 | mg/l |
| | | Selenium | <0.50 | 0.5 | mg/l |
| | | Silver | <0.010 | 0.01 | mg/l |
| | | Antimony | <1.9 | 2.1 | mg/kg |
| | | Arsenic | <1.9 | 2.1 | mg/kg |
| | | Beryllium | 0.21 | 0.21 | mg/kg |
| | | Cadmium | <0.49 | 0.52 | mg/kg |
| | | Chromium, Hexavalent | 0.98 | 0.4 | mg/kg |
| | | Chromium | 19 | 1 | mg/kg |
| | | Copper | 64.7 | 2.6 | mg/kg |
| | | Lead | 12.4 | 2.1 | mg/kg |
| | | Mercury | 0.12 | 0.0064 | mg/kg |
| | | Nickel | 19.1 | 4.1 | mg/kg |
| | | Selenium | <1.9 | 2.1 | mg/kg |
| | | Silver | <0.49 | 0.52 | mg/kg |
| | | Thallium | <0.97 | 1 | mg/kg |
| | | Zinc | 20.3 | 2.1 | mg/kg |
| | | Corrosivity | 8.66 | | std units |

TABLE 3D

**SA-5 NJCU (SITE090) BUILDING 7 ASPHALT
WASTE CHARACTERIZATION RESULT LIST**

| Composite Sample ID | Sample Date | Parameter | Result | RL | Units |
|---------------------|-------------|----------------------|----------|--------|-----------|
| 090-WC-B7ASP-6 | 2/23/2011 | 2,4-D | ND | 0.005 | mg/l |
| | | 2,4,5-TP (Silvex) | ND | 0.0015 | mg/l |
| | | gamma-BHC (Lindane) | ND | 0.0002 | mg/l |
| | | Chlordane | ND | 0.005 | mg/l |
| | | Endrin | ND | 0.0002 | mg/l |
| | | Heptachlor | ND | 0.0002 | mg/l |
| | | Heptachlor epoxide | ND | 0.0002 | mg/l |
| | | Methoxychlor | ND | 0.0002 | mg/l |
| | | Toxaphene | ND | 0.0025 | mg/l |
| | | 2,4-D | ND | 15 | ug/kg |
| | | 2,4,5-TP (Silvex) | ND | 3 | ug/kg |
| | | 2,4,5-T | ND | 3 | ug/kg |
| | | Aldrin | ND | 1.2 | ug/kg |
| | | alpha-BHC | ND | 1.2 | ug/kg |
| | | beta-BHC | ND | 1.2 | ug/kg |
| | | delta-BHC | ND | 1.2 | ug/kg |
| | | gamma-BHC (Lindane) | ND | 1.2 | ug/kg |
| | | alpha-Chlordane | ND | 1.2 | ug/kg |
| | | gamma-Chlordane | ND | 1.2 | ug/kg |
| | | Dieldrin | ND | 1.2 | ug/kg |
| | | 4,4'-DDD | 2.3 | 1.2 | ug/kg |
| | | 4,4'-DDE | ND | 1.2 | ug/kg |
| | | 4,4'-DDT | ND | 1.2 | ug/kg |
| | | Endrin | ND | 1.2 | ug/kg |
| | | Endosulfan sulfate | ND | 1.2 | ug/kg |
| | | Endrin aldehyde | 3.5 | 1.2 | ug/kg |
| | | Endosulfan-I | ND | 1.2 | ug/kg |
| | | Endosulfan-II | ND | 1.2 | ug/kg |
| | | Heptachlor | ND | 1.2 | ug/kg |
| | | Heptachlor epoxide | ND | 1.2 | ug/kg |
| | | Methoxychlor | ND | 1.2 | ug/kg |
| | | Endrin ketone | ND | 1.2 | ug/kg |
| | | Toxaphene | ND | 15 | ug/kg |
| | | Aroclor-1016 | ND | 30 | ug/kg |
| | | Aroclor-1221 | ND | 30 | ug/kg |
| | | Aroclor-1232 | ND | 30 | ug/kg |
| | | Aroclor-1242 | ND | 30 | ug/kg |
| | | Aroclor-1248 | ND | 30 | ug/kg |
| | | Aroclor-1254 | ND | 30 | ug/kg |
| | | Aroclor-1260 | ND | 30 | ug/kg |
| | | Arsenic | <0.5 | 0.5 | mg/l |
| | | Barium | <1.0 | 1 | mg/l |
| | | Cadmium | <0.005 | 0.005 | mg/l |
| | | Chromium | 0.021 | 0.01 | mg/l |
| | | Lead | <0.50 | 0.5 | mg/l |
| | | Mercury | <0.00020 | 0.0002 | mg/l |
| | | Selenium | <0.50 | 0.5 | mg/l |
| | | Silver | <0.010 | 0.01 | mg/l |
| | | Antimony | <2.1 | 2.1 | mg/kg |
| | | Arsenic | <2.1 | 2.1 | mg/kg |
| | | Beryllium | 0.29 | 0.21 | mg/kg |
| | | Cadmium | <0.53 | 0.53 | mg/kg |
| | | Chromium, Hexavalent | 1.3 | 0.41 | mg/kg |
| | | Chromium | 95 | 1.1 | mg/kg |
| | | Copper | 99.9 | 2.6 | mg/kg |
| | | Lead | 41.3 | 2.1 | mg/kg |
| | | Mercury | 0.17 | 0.033 | mg/kg |
| | | Nickel | 28.4 | 4.2 | mg/kg |
| | | Selenium | <2.1 | 2.1 | mg/kg |
| | | Silver | <0.53 | 0.53 | mg/kg |
| | | Thallium | <1.1 | 1.1 | mg/kg |
| | | Zinc | 40 | 2.1 | mg/kg |
| | | Corrosivity | 8.99 | | std units |
| | | 2,4-D | ND | 0.005 | mg/l |
| | | 2,4,5-TP (Silvex) | ND | 0.0015 | mg/l |
| | | gamma-BHC (Lindane) | ND | 0.0002 | mg/l |
| | | Chlordane | ND | 0.005 | mg/l |

TABLE 3D

**SA-5 NJCU (SITE090) BUILDING 7 ASPHALT
WASTE CHARACTERIZATION RESULT LIST**

| Composite Sample ID | Sample Date | Parameter | Result | RL | Units |
|---------------------|-------------|----------------------|----------|--------|-----------|
| 090-WC-B7ASP-7 | 2/23/2011 | Endrin | ND | 0.0002 | mg/l |
| | | Heptachlor | ND | 0.0002 | mg/l |
| | | Heptachlor epoxide | ND | 0.0002 | mg/l |
| | | Methoxychlor | ND | 0.0002 | mg/l |
| | | Toxaphene | ND | 0.0025 | mg/l |
| | | 2,4-D | ND | 100 | ug/kg |
| | | 2,4,5-TP (Silvex) | ND | 21 | ug/kg |
| | | 2,4,5-T | ND | 21 | ug/kg |
| | | Aldrin | ND | 1.2 | ug/kg |
| | | alpha-BHC | ND | 1.2 | ug/kg |
| | | beta-BHC | ND | 1.2 | ug/kg |
| | | delta-BHC | ND | 1.2 | ug/kg |
| | | gamma-BHC (Lindane) | ND | 1.2 | ug/kg |
| | | alpha-Chlordane | ND | 1.2 | ug/kg |
| | | gamma-Chlordane | ND | 1.2 | ug/kg |
| | | Dieldrin | ND | 1.2 | ug/kg |
| | | 4,4'-DDD | ND | 1.2 | ug/kg |
| | | 4,4'-DDE | ND | 1.2 | ug/kg |
| | | 4,4'-DDT | ND | 1.2 | ug/kg |
| | | Endrin | ND | 1.2 | ug/kg |
| | | Endosulfan sulfate | ND | 1.2 | ug/kg |
| | | Endrin aldehyde | ND | 1.2 | ug/kg |
| | | Endosulfan-I | ND | 1.2 | ug/kg |
| | | Endosulfan-II | ND | 1.2 | ug/kg |
| | | Heptachlor | ND | 1.2 | ug/kg |
| | | Heptachlor epoxide | ND | 1.2 | ug/kg |
| | | Methoxychlor | ND | 1.2 | ug/kg |
| | | Endrin ketone | ND | 1.2 | ug/kg |
| | | Toxaphene | ND | 15 | ug/kg |
| | | Aroclor-1016 | ND | 30 | ug/kg |
| | | Aroclor-1221 | ND | 30 | ug/kg |
| | | Aroclor-1232 | ND | 30 | ug/kg |
| | | Aroclor-1242 | ND | 30 | ug/kg |
| | | Aroclor-1248 | ND | 30 | ug/kg |
| | | Aroclor-1254 | ND | 30 | ug/kg |
| | | Aroclor-1260 | ND | 30 | ug/kg |
| | | Arsenic | <0.5 | 0.5 | mg/l |
| | | Barium | <1.0 | 1 | mg/l |
| | | Cadmium | <0.005 | 0.005 | mg/l |
| | | Chromium | <0.010 | 0.01 | mg/l |
| | | Lead | <0.50 | 0.5 | mg/l |
| | | Mercury | <0.00020 | 0.0002 | mg/l |
| | | Selenium | <0.50 | 0.5 | mg/l |
| | | Silver | <0.010 | 0.01 | mg/l |
| | | Antimony | <2.1 | 2.1 | mg/kg |
| | | Arsenic | <2.1 | 2.1 | mg/kg |
| | | Beryllium | 0.34 | 0.21 | mg/kg |
| | | Cadmium | <0.53 | 0.53 | mg/kg |
| | | Chromium, Hexavalent | <0.40 | 0.4 | mg/kg |
| | | Chromium | 12.6 | 1.1 | mg/kg |
| | | Copper | 167 | 2.6 | mg/kg |
| | | Lead | 9.8 | 2.1 | mg/kg |
| | | Mercury | <0.032 | 0.032 | mg/kg |
| | | Nickel | 33 | 4.2 | mg/kg |
| | | Selenium | <2.1 | 2.1 | mg/kg |
| | | Silver | 1.3 | 0.53 | mg/kg |
| | | Thallium | <1.1 | 1.1 | mg/kg |
| | | Zinc | 20.7 | 2.1 | mg/kg |
| | | Corrosivity | 10.17 | | std units |
| | | 2,4-D | ND | 0.005 | mg/l |
| | | 2,4,5-TP (Silvex) | ND | 0.0015 | mg/l |
| | | gamma-BHC (Lindane) | ND | 0.0002 | mg/l |
| | | Chlordane | ND | 0.005 | mg/l |
| | | Endrin | ND | 0.0002 | mg/l |
| | | Heptachlor | ND | 0.0002 | mg/l |
| | | Heptachlor epoxide | ND | 0.0002 | mg/l |
| | | Methoxychlor | ND | 0.0002 | mg/l |

TABLE 3D

**SA-5 NJCU (SITE090) BUILDING 7 ASPHALT
WASTE CHARACTERIZATION RESULT LIST**

| Composite Sample ID | Sample Date | Parameter | Result | RL | Units |
|---------------------|-------------|----------------------|----------|--------|-----------|
| 090-WC-B7ASP-8 | 2/23/2011 | Toxaphene | ND | 0.0025 | mg/l |
| | | 2,4-D | ND | 15 | ug/kg |
| | | 2,4,5-TP (Silvex) | ND | 3 | ug/kg |
| | | 2,4,5-T | ND | 3 | ug/kg |
| | | Aldrin | ND | 1.3 | ug/kg |
| | | alpha-BHC | ND | 1.3 | ug/kg |
| | | beta-BHC | ND | 1.3 | ug/kg |
| | | delta-BHC | ND | 1.3 | ug/kg |
| | | gamma-BHC (Lindane) | ND | 1.3 | ug/kg |
| | | alpha-Chlordane | ND | 1.3 | ug/kg |
| | | gamma-Chlordane | ND | 1.3 | ug/kg |
| | | Dieldrin | ND | 1.3 | ug/kg |
| | | 4,4'-DDD | ND | 1.3 | ug/kg |
| | | 4,4'-DDE | ND | 1.3 | ug/kg |
| | | 4,4'-DDT | 12.7 | 1.3 | ug/kg |
| | | Endrin | ND | 1.3 | ug/kg |
| | | Endosulfan sulfate | ND | 1.3 | ug/kg |
| | | Endrin aldehyde | 17 | 1.3 | ug/kg |
| | | Endosulfan-I | ND | 1.3 | ug/kg |
| | | Endosulfan-II | ND | 1.3 | ug/kg |
| | | Heptachlor | ND | 1.3 | ug/kg |
| | | Heptachlor epoxide | ND | 1.3 | ug/kg |
| | | Methoxychlor | 7.4 | 1.3 | ug/kg |
| | | Endrin ketone | ND | 1.3 | ug/kg |
| | | Toxaphene | ND | 16 | ug/kg |
| | | Aroclor-1016 | ND | 31 | ug/kg |
| | | Aroclor-1221 | ND | 31 | ug/kg |
| | | Aroclor-1232 | ND | 31 | ug/kg |
| | | Aroclor-1242 | ND | 31 | ug/kg |
| | | Aroclor-1248 | ND | 31 | ug/kg |
| | | Aroclor-1254 | ND | 31 | ug/kg |
| | | Aroclor-1260 | ND | 31 | ug/kg |
| | | Arsenic | <0.5 | 0.5 | mg/l |
| | | Barium | <1.0 | 1 | mg/l |
| | | Cadmium | <0.005 | 0.005 | mg/l |
| | | Chromium | <0.010 | 0.01 | mg/l |
| | | Lead | <0.50 | 0.5 | mg/l |
| | | Mercury | <0.00020 | 0.0002 | mg/l |
| | | Selenium | <0.50 | 0.5 | mg/l |
| | | Silver | <0.010 | 0.01 | mg/l |
| | | Antimony | <2.1 | 2.1 | mg/kg |
| | | Arsenic | <2.1 | 2.1 | mg/kg |
| | | Beryllium | <0.21 | 0.21 | mg/kg |
| | | Cadmium | <0.53 | 0.53 | mg/kg |
| | | Chromium, Hexavalent | 0.5 | 0.43 | mg/kg |
| | | Chromium | 13.1 | 1.1 | mg/kg |
| | | Copper | 142 | 2.6 | mg/kg |
| | | Lead | 24.6 | 2.1 | mg/kg |
| | | Mercury | 0.067 | 0.035 | mg/kg |
| | | Nickel | 26 | 4.2 | mg/kg |
| | | Selenium | <2.1 | 2.1 | mg/kg |
| | | Silver | 0.58 | 0.53 | mg/kg |
| | | Thallium | <1.1 | 1.1 | mg/kg |
| | | Zinc | 58.9 | 2.1 | mg/kg |
| | | Corrosivity | 8.86 | | std units |
| | | 2,4-D | ND | 0.005 | mg/l |
| | | 2,4,5-TP (Silvex) | ND | 0.0015 | mg/l |
| | | gamma-BHC (Lindane) | ND | 0.0002 | mg/l |
| | | Chlordane | ND | 0.005 | mg/l |

TABLE 3E

HONEYWELL - SA 5 Site 090, Jersey City, NJ
FRAC TANK / MODU TANK SEDIMENT AND
TREATMENT SYSTEM AREA STONE RESULTS

| Sample ID: | | FTMTS01 | TSSTN01 |
|------------------------------------|-------|-----------|-----------|
| Lab Report ID: | | JA77515 | JA77515 |
| Date Sampled: | | 6/3/2011 | 6/3/2011 |
| Matrix: | | Sediment | Stone |
| GC/MS Volatiles (SW846 8260B) | | | |
| Acetone | ug/kg | ND (9.8) | ND (10) |
| Benzene | ug/kg | ND (0.2) | ND (0.21) |
| Bromodichloromethane | ug/kg | ND (0.33) | ND (0.35) |
| Bromoform | ug/kg | ND (1.1) | ND (1.2) |
| Bromomethane | ug/kg | ND (0.58) | ND (0.62) |
| 2-Butanone (MEK) | ug/kg | ND (6.4) | ND (6.4) |
| Carbon disulfide | ug/kg | 1.1 | ND (0.31) |
| Carbon tetrachloride | ug/kg | ND (0.51) | ND (0.54) |
| Chlorobenzene | ug/kg | ND (0.48) | ND (0.50) |
| Chloroethane | ug/kg | ND (0.60) | ND (0.64) |
| Chloroform | ug/kg | ND (0.71) | ND (0.76) |
| Chloromethane | ug/kg | ND (0.92) | ND (0.98) |
| Cyclohexane | ug/kg | ND (0.56) | ND (0.59) |
| 1,2-Dibromo-3-chloropropane | ug/kg | ND (2.2) | ND (2.4) |
| Dibromochloromethane | ug/kg | ND (0.25) | ND (0.26) |
| 1,2-Dibromoethane | ug/kg | ND (0.35) | ND (0.37) |
| 1,2-Dichlorobenzene | ug/kg | ND (0.41) | ND (0.43) |
| 1,3-Dichlorobenzene | ug/kg | ND (0.28) | ND (0.30) |
| 1,4-Dichlorobenzene | ug/kg | ND (0.25) | ND (0.27) |
| Dichlorodifluoromethane | ug/kg | ND (0.47) | ND (0.50) |
| 1,1-Dichloroethane | ug/kg | ND (0.32) | ND (0.34) |
| 1,2-Dichloroethane | ug/kg | ND (0.27) | ND (0.29) |
| 1,1-Dichloroethene | ug/kg | ND (0.91) | ND (0.96) |
| cis-1,2-Dichloroethene | ug/kg | ND (0.48) | ND (0.50) |
| trans-1,2-Dichloroethene | ug/kg | ND (0.63) | ND (0.66) |
| 1,2-Dichloropropane | ug/kg | ND (0.39) | ND (0.42) |
| cis-1,3-Dichloropropene | ug/kg | ND (0.22) | ND (0.24) |
| trans-1,3-Dichloropropene | ug/kg | ND (0.5) | ND (0.53) |
| Ethylbenzene | ug/kg | ND (0.22) | ND (0.23) |
| Freon 113 | ug/kg | ND (1.1) | ND (1.1) |
| 2-Hexanone | ug/kg | ND (3.7) | ND (3.9) |
| Isopropylbenzene | ug/kg | ND (0.2) | ND (0.21) |
| Methyl Acetate | ug/kg | ND (3.3) | ND (3.5) |
| Methylcyclohexane | ug/kg | ND (3.6) | ND (3.8) |
| Methyl Tert Butyl Ether | ug/kg | ND (0.26) | ND (0.28) |
| 4-Methyl-2-pentanone(MIBK) | ug/kg | ND (3.9) | ND (4.1) |
| Methylene chloride | ug/kg | ND (0.34) | ND (0.36) |
| Styrene | ug/kg | ND (0.27) | ND (0.29) |
| 1,1,2,2-Tetrachloroethane | ug/kg | ND (0.26) | ND (0.28) |
| Tetrachloroethene | ug/kg | ND (0.28) | ND (0.30) |
| Toluene | ug/kg | ND (0.56) | ND (0.59) |
| 1,2,4-Trichlorobenzene | ug/kg | ND (0.5) | ND (0.53) |
| 1,1,1-Trichloroethane | ug/kg | ND (0.36) | ND (0.38) |
| 1,1,2-Trichloroethane | ug/kg | ND (64) | ND (68) |
| Trichloroethene | ug/kg | ND (0.37) | ND (0.39) |
| Trichlorofluoromethane | ug/kg | ND (0.71) | ND (0.76) |
| Vinyl chloride | ug/kg | ND (0.68) | ND (0.72) |
| Xylene (total) | ug/kg | ND (0.27) | ND (0.29) |
| GC/MS Semi-volatiles (SW846 8270C) | | | |
| 2-Chlorophenol | ug/kg | ND (42) | ND (29) |
| 4-Chloro-3-methyl phenol | ug/kg | ND (41) | ND (28) |
| 2,4-Dichlorophenol | ug/kg | ND (67) | ND (46) |
| 2,4-Dimethylphenol | ug/kg | ND (70) | ND (48) |
| 2,4-Dinitrophenol | ug/kg | ND (51) | ND (35) |
| 4,6-Dinitro-o-cresol | ug/kg | ND (51) | ND (35) |
| 2-Methylphenol | ug/kg | ND (47) | ND (32) |

TABLE 3E

HONEYWELL - SA 5 Site 090, Jersey City, NJ
FRAC TANK / MODU TANK SEDIMENT AND
TREATMENT SYSTEM AREA STONE RESULTS

| Sample ID: | | FTMTS01 | TSSTN01 |
|-----------------------------|-------|----------|----------|
| Lab Report ID: | | JA77515 | JA77515 |
| Date Sampled: | | 6/3/2011 | 6/3/2011 |
| Matrix: | | Sediment | Stone |
| 3&4-Methylphenol | ug/kg | ND (53) | ND (36) |
| 2-Nitrophenol | ug/kg | ND (44) | ND (30) |
| 4-Nitrophenol | ug/kg | ND (70) | ND (48) |
| Pentachlorophenol | ug/kg | ND (71) | ND (49) |
| Phenol | ug/kg | ND (43) | ND (30) |
| 2,4,5-Trichlorophenol | ug/kg | ND (48) | ND (33) |
| 2,4,6-Trichlorophenol | ug/kg | ND (39) | ND (27) |
| Acenaphthene | ug/kg | ND (12) | ND (12) |
| Acenaphthylene | ug/kg | ND (13) | ND (8.2) |
| Acetophenone | ug/kg | ND (7.3) | ND (5) |
| Anthracene | ug/kg | 26.7 | ND (9.9) |
| Atrazine | ug/kg | ND (8.2) | ND (5.6) |
| Benzo(a)anthracene | ug/kg | 81.6 | ND (9.3) |
| Benzo(a)pyrene | ug/kg | 91.4 | ND (8.7) |
| Benzo(b)fluoranthene | ug/kg | 92.5 | ND (9.5) |
| Benzo(g,h,i)perylene | ug/kg | 75.3 | ND (11) |
| Benzo(k)fluoranthene | ug/kg | 59 | ND (11) |
| 4-Bromophenyl phenyl ether | ug/kg | ND (15) | ND (10) |
| Butyl benzyl phthalate | ug/kg | ND (24) | ND (16) |
| 1,1'-Biphenyl | ug/kg | ND (4.8) | ND (3.3) |
| Benzaldehyde | ug/kg | ND (9.5) | ND 96.5) |
| 2-Chloronaphthalene | ug/kg | ND (13) | ND (8.8) |
| 4-Chloroaniline | ug/kg | ND (13) | ND (9.1) |
| Carbazole | ug/kg | ND (19) | ND (13) |
| Caprolactam | ug/kg | ND (13) | ND (9) |
| Chrysene | ug/kg | 103 | ND (9.6) |
| bis(2-Chloroethoxy)methane | ug/kg | ND (17) | ND (11) |
| bis(2-Chloroethyl)ether | ug/kg | ND (12) | ND (8.6) |
| bis(2-Chloroisopropyl)ether | ug/kg | ND (12) | ND (8.4) |
| 4-Chlorophenyl phenyl ether | ug/kg | ND (12) | ND (8.6) |
| 2,4-Dinitrotoluene | ug/kg | ND (18) | ND (12) |
| 2,6-Dinitrotoluene | ug/kg | ND (16) | ND (11) |
| 3,3'-Dichlorobenzidine | ug/kg | ND (11) | ND (7.2) |
| Dibenzo(a,h)anthracene | ug/kg | 19.1 | ND (9.7) |
| Dibenzofuran | ug/kg | ND (12) | ND (8.4) |
| Di-n-butyl phthalate | ug/kg | ND (9.2) | ND (6.3) |
| Di-n-octyl phthalate | ug/kg | ND (20) | ND (14) |
| Diethyl phthalate | ug/kg | ND (14) | ND (9.7) |
| Dimethyl phthalate | ug/kg | ND (15) | ND (10) |
| bis(2-Ethylhexyl)phthalate | ug/kg | 178 | ND (25) |
| Fluoranthene | ug/kg | 163 | ND (13) |
| Fluorene | ug/kg | ND (14) | ND (9.3) |
| Hexachlorobenzene | ug/kg | ND (13) | ND (9.3) |
| Hexachlorobutadiene | ug/kg | ND (12) | ND (7.9) |
| Hexachlorocyclopentadiene | ug/kg | ND (42) | ND (29) |
| Hexachloroethane | ug/kg | ND (12) | ND (7.9) |
| Indeno(1,2,3-cd)pyrene | ug/kg | 58 | ND (9.9) |
| Isophorone | ug/kg | ND (11) | ND (7.6) |
| 2-Methylnaphthalene | ug/kg | ND (23) | ND (16) |
| 2-Nitroaniline | ug/kg | ND (18) | ND (13) |
| 3-Nitroaniline | ug/kg | ND (17) | ND (11) |
| 4-Nitroaniline | ug/kg | ND (16) | ND (11) |
| Naphthalene | ug/kg | ND (11) | ND (7.8) |
| Nitrobenzene | ug/kg | ND (12) | ND (8.2) |
| N-Nitroso-di-n-propylamine | ug/kg | ND (10) | ND (6.9) |
| N-Nitrosodiphenylamine | ug/kg | ND (25) | ND (17) |
| Phenanthrene | ug/kg | 83.8 | ND (13) |

TABLE 3E

HONEYWELL - SA 5 Site 090, Jersey City, NJ
FRAC TANK / MODU TANK SEDIMENT AND
TREATMENT SYSTEM AREA STONE RESULTS

| | | | |
|--|-------|-----------------|-----------------|
| Sample ID: | | FTMTS01 | TSSTN01 |
| Lab Report ID: | | JA77515 | JA77515 |
| Date Sampled: | | 6/3/2011 | 6/3/2011 |
| Matrix: | | Sediment | Stone |
| Pyrene | ug/kg | 185 | ND (11) |
| GC/MS Volatiles (SW846 8260B) | | | |
| Benzene | mg/l | ND (0.012) | ND (0.012) |
| 2-Butanone (MEK) | mg/l | ND (0.0081) | ND (0.0081) |
| Carbon tetrachloride | mg/l | ND (0.0013) | ND (0.0013) |
| Chlorobenzene | mg/l | ND (0.019) | ND (0.019) |
| Chloroform | mg/l | ND (0.0012) | ND (0.0012) |
| 1,4-Dichlorobenzene | mg/l | ND (0.0014) | ND (0.0014) |
| 1,2-Dichloroethane | mg/l | ND (0.0017) | ND (0.0017) |
| 1,1-Dichloroethene | mg/l | ND (0.0020) | ND (0.0020) |
| Tetrachloroethene | mg/l | ND (0.0013) | ND (0.0013) |
| Trichloroethene | mg/l | ND (0.0012) | ND (0.0012) |
| Vinyl chloride | mg/l | ND (0.022) | ND (0.022) |
| GC/MS Semi-Volatiles (SW846 8270C) | | | |
| 2-Methylphenol | mg/l | ND (0.011) | ND (0.011) |
| 3&4-Methylphenol | mg/l | ND (0.01) | ND (0.01) |
| Pentachlorophenol | mg/l | ND (0.008) | ND (0.008) |
| 2,4,5-Trichlorophenol | mg/l | ND (0.013) | ND (0.013) |
| 2,4,6-Trichlorophenol | mg/l | ND (0.012) | ND (0.012) |
| 1,4-Dichlorobenzene | mg/l | ND (0.0039) | ND (0.0039) |
| 2,4-Dinitrotoluene | mg/l | ND (0.0022) | ND (0.0022) |
| Hexachlorobenzene | mg/l | ND (0.0037) | ND (0.0037) |
| Hexachlorobutadiene | mg/l | ND (0.0037) | ND (0.0037) |
| Hexachloroethane | mg/l | ND (0.0026) | ND (0.0026) |
| Nitrobenzene | mg/l | ND (0.0025) | ND (0.0025) |
| Pyridine | mg/l | ND (0.0027) | ND (0.0027) |
| Herbicide TCLP (SW846 8151, 3510C) | | | |
| 2,4-D | mg/l | ND (0.0013) | ND (0.0013) |
| 2,4,5-TP (Silvex) | mg/l | ND (0.00018) | ND (0.00018) |
| Total Herbicide (SW846 8151, 3550B) | | | |
| 2,4-D | ug/kg | ND (6.0) | ND (4.2) |
| 2,4,5-TP (Silvex) | ug/kg | ND (0.72) | ND (0.50) |
| 2,4,5-T | ug/kg | ND (1.8) | ND (1.3) |
| Pesticide TCLP (SW846 8081A) | | | |
| gamma-BHC (Lindane) | mg/l | ND (0.000011) | ND (0.000011) |
| Chlordane | mg/l | ND (0.00079) | ND (0.00079) |
| Endrin | mg/l | ND (0.00031) | ND (0.00031) |
| Heptachlor | mg/l | ND (0.000020) | ND (0.000020) |
| Heptachlor epoxide | mg/l | ND (0.000016) | ND (0.000016) |
| Methoxychlor | mg/l | ND (0.000068) | ND (0.000068) |
| Toxaphene | mg/l | ND (0.0021) | ND (0.0021) |
| Pesticide TCL (SW846 8081A, 3545) | | | |
| Aldrin | ug/kg | ND (0.43) | ND (0.29) |
| alpha-BHC | ug/kg | ND (0.64) | ND (0.44) |
| beta-BHC | ug/kg | ND (0.60) | ND (0.41) |
| delta-BHC | ug/kg | ND (0.50) | ND (0.34) |
| gamma-BHC (Lindane) | ug/kg | ND (0.39) | ND (0.27) |
| alpha-Chlordane | ug/kg | 7.8 | ND (0.38) |
| gamma-Chlordane | ug/kg | 8.9 | ND (0.30) |
| Dieldrin | ug/kg | ND (0.66) | ND (0.46) |
| 4,4'-DDD | ug/kg | ND (0.44) | ND (0.30) |
| 4,4'-DDE | ug/kg | ND (0.50) | ND (0.35) |
| 4,4'-DDT | ug/kg | ND (0.62) | ND (0.43) |
| Endrin | ug/kg | ND (0.44) | ND (0.30) |
| Endosulfan sulfate | ug/kg | ND (0.77) | ND (0.53) |
| Endrin aldehyde | ug/kg | ND (0.81) | ND (0.56) |
| Endosulfan-I | ug/kg | ND (0.41) | ND (0.29) |

TABLE 3E

HONEYWELL - SA 5 Site 090, Jersey City, NJ
FRAC TANK / MODU TANK SEDIMENT AND
TREATMENT SYSTEM AREA STONE RESULTS

| Sample ID: | | FTMTS01 | TSSTN01 |
|-------------------------------|--------|-----------|-----------|
| Lab Report ID: | | JA77515 | JA77515 |
| Date Sampled: | | 6/3/2011 | 6/3/2011 |
| Matrix: | | Sediment | Stone |
| Endosulfan-II | ug/kg | ND (0.56) | ND (0.39) |
| Heptachlor | ug/kg | 2.1 | ND (0.36) |
| Heptachlor epoxide | ug/kg | ND (0.42) | ND (0.29) |
| Methoxychlor | ug/kg | ND (0.60) | ND (0.42) |
| Endrin ketone | ug/kg | ND 0.55) | ND (0.38) |
| Toxaphene | ug/kg | ND | ND |
| PCB (SW846 8082) | | | |
| Aroclor 1016 | ug/kg | ND (11) | ND (7.7) |
| Aroclor 1221 | ug/kg | ND (26) | ND (18) |
| Aroclor 1232 | ug/kg | ND (22) | ND (15) |
| Aroclor 1242 | ug/kg | ND (14) | ND (9.4) |
| Aroclor 1248 | ug/kg | ND (13) | ND (9.0) |
| Aroclor 1254 | ug/kg | ND (20) | ND (14) |
| Aroclor 1260 | ug/kg | ND (14) | ND (9.7) |
| TCLP Metals Analysis | | | |
| Arsenic | mg/l | <0.5 | <0.50 |
| Barium | mg/l | 1.5 | <1.0 |
| Cadmium | mg/l | <0.0050 | <0.0050 |
| Chromium | mg/l | 1.2 | <0.010 |
| Lead | mg/l | <0.50 | <0.50 |
| Mercury | mg/l | <0.00020 | <0.00020 |
| Selenium | mg/l | <0.50 | <0.50 |
| Silver | mg/l | <0.010 | <0.010 |
| Total Metals Analysis | | | |
| Arsenic | mg/kg | <2.1 | <9.7 |
| Barium | mg/kg | 84 | <97 |
| Cadmium | mg/kg | <0.52 | <2.4 |
| Chromium | mg/kg | 444 | 16.1 |
| Lead | mg/kg | 12.4 | <9.7 |
| Mercury | mg/kg | 40.3 | 0.48 |
| Selenium | mg/kg | <2.1 | <9.7 |
| Silver | mg/kg | <0.52 | <2.4 |
| General Chemistry | | | |
| Chromium, Hexavalent | mg/kg | 13.6 | <0.41 |
| Corrosivity as pH | su | 9.62 | 9.02 |
| Cyanide Reactivity | mg/kg | <14 | <9.4 |
| Ignitability (Flashpoint) | Deg. F | >200 | >200 |
| Sulfide Reactivity | mg/kg | <140 | <94 |
| NJDEP EPH (SW846 3545) | | | |
| EPH (C9-C28) | mg/kg | 44.5 | ND (4.7) |
| EPH (>C28-C40) | mg/kg | 69.4 | ND (4.7) |
| Total EPH (C9-C40) | mg/kg | 114 | ND (4.7) |

Table Notes:

ND

Not Detected



Shaded area represents results above the N.
Residential Soil Remediation Standards

TABLE 3F

HONEYWELL - SA 5 Site 090, Jersey City, NJ

| Sample ID: | | 090-WC-STNSP5-1 | 090-WC-STNSP5-2 |
|------------------------------------|-------|-----------------|-----------------|
| Lab Report ID: | | JA76323 | JA76323 |
| Date Sampled: | | 5/19/2011 | 5/19/2011 |
| Matrix: | | Stone/Soil | Stone/Soil |
| GC/MS Volatiles (SW846 8260B) | | | |
| Acetone | ug/kg | ND (380) | ND (420) |
| Benzene | ug/kg | ND (7.5) | ND (8.4) |
| Bromodichloromethane | ug/kg | ND (13) | ND (14) |
| Bromoform | ug/kg | ND (43) | ND (48) |
| Bromomethane | ug/kg | ND (22) | ND (25) |
| 2-Butanone (MEK) | ug/kg | ND (250) | ND (270) |
| Carbon disulfide | ug/kg | ND (11) | ND (12) |
| Carbon tetrachloride | ug/kg | ND (20) | ND (22) |
| Chlorobenzene | ug/kg | ND (18) | ND (20) |
| Chloroethane | ug/kg | ND (23) | ND (26) |
| Chloroform | ug/kg | ND (27) | ND (31) |
| Chloromethane | ug/kg | ND (35) | ND (40) |
| Cyclohexane | ug/kg | ND (21) | ND (24) |
| 1,2-Dibromo-3-chloropropane | ug/kg | ND (86) | ND (96) |
| Dibromochloromethane | ug/kg | ND (9.5) | ND (11) |
| 1,2-Dibromoethane | ug/kg | ND (13) | ND (15) |
| 1,2-Dichlorobenzene | ug/kg | ND (16) | ND (18) |
| 1,3-Dichlorobenzene | ug/kg | ND (11) | ND (12) |
| 1,4-Dichlorobenzene | ug/kg | ND (9.6) | ND (11) |
| Dichlorodifluoromethane | ug/kg | ND (18) | ND (20) |
| 1,1-Dichloroethane | ug/kg | ND (12) | ND (14) |
| 1,2-Dichloroethane | ug/kg | ND (10) | ND (12) |
| 1,1-Dichloroethene | ug/kg | ND (35) | ND (39) |
| cis-1,2-Dichloroethene | ug/kg | ND (18) | ND (20) |
| trans-1,2-Dichloroethene | ug/kg | ND (24) | ND (27) |
| 1,2-Dichloropropane | ug/kg | ND (15) | ND (17) |
| cis-1,3-Dichloropropene | ug/kg | ND (8.6) | ND (9.6) |
| trans-1,3-Dichloropropene | ug/kg | ND (19) | ND (21) |
| Ethylbenzene | ug/kg | ND (8.4) | ND (9.4) |
| Freon 113 | ug/kg | ND (41) | ND (46) |
| 2-Hexanone | ug/kg | ND (140) | ND (160) |
| Isopropylbenzene | ug/kg | ND (7.8) | ND (8.7) |
| Methyl Acetate | ug/kg | ND (130) | ND (140) |
| Methylcyclohexane | ug/kg | ND (14) | ND (16) |
| Methyl Tert Butyl Ether | ug/kg | ND (10) | ND (11) |
| 4-Methyl-2-pentanone(MIBK) | ug/kg | ND (150) | ND (170) |
| Methylene chloride | ug/kg | ND (13) | ND (15) |
| Styrene | ug/kg | ND (10) | ND (12) |
| 1,1,2,2-Tetrachloroethane | ug/kg | ND (10) | ND (11) |
| Tetrachloroethene | ug/kg | ND (11) | ND (12) |
| Toluene | ug/kg | ND (21) | ND (24) |
| 1,2,4-Trichlorobenzene | ug/kg | ND (19) | ND (22) |
| 1,1,1-Trichloroethane | ug/kg | ND (14) | ND (15) |
| 1,1,2-Trichloroethane | ug/kg | ND (25) | ND (27) |
| Trichloroethene | ug/kg | ND (14) | ND (16) |
| Trichlorofluoromethane | ug/kg | ND (27) | ND (31) |
| Vinyl chloride | ug/kg | ND (26) | ND (29) |
| Xylene (total) | ug/kg | ND (10) | ND (12) |
| GC/MS Semi-volatiles (SW846 8270C) | | | |
| 2-Chlorophenol | ug/kg | ND (30) | ND (30) |
| 4-Chloro-3-methyl phenol | ug/kg | ND (30) | ND (30) |
| 2,4-Dichlorophenol | ug/kg | ND (48) | ND (48) |
| 2,4-Dimethylphenol | ug/kg | ND (50) | ND (50) |
| 2,4-Dinitrophenol | ug/kg | ND (36) | ND (36) |
| 4,6-Dinitro-o-cresol | ug/kg | ND (36) | ND (36) |
| 2-Methylphenol | ug/kg | ND (34) | ND (34) |

TABLE 3F

HONEYWELL - SA 5 Site 090, Jersey City, NJ

| Sample ID: | | 090-WC-STNSP5-1 | 090-WC-STNSP5-2 |
|-----------------------------|-------|-----------------|-----------------|
| Lab Report ID: | | JA76323 | JA76323 |
| Date Sampled: | | 5/19/2011 | 5/19/2011 |
| Matrix: | | Stone/Soil | Stone/Soil |
| 3&4-Methylphenol | ug/kg | ND (38) | ND (38) |
| 2-Nitrophenol | ug/kg | ND (31) | ND (31) |
| 4-Nitrophenol | ug/kg | ND (50) | ND (50) |
| Pentachlorophenol | ug/kg | ND (51) | ND (51) |
| Phenol | ug/kg | ND (31) | ND (31) |
| 2,4,5-Trichlorophenol | ug/kg | ND (34) | ND (34) |
| 2,4,6-Trichlorophenol | ug/kg | ND (28) | ND (28) |
| Acenaphthene | ug/kg | 731 | 890 |
| Acenaphthylene | ug/kg | 53.2 | 40.4 |
| Acetophenone | ug/kg | ND (5.2) | ND (5.2) |
| Anthracene | ug/kg | 1500 | 1720 |
| Atrazine | ug/kg | ND (5.8) | ND (5.8) |
| Benzo(a)anthracene | ug/kg | 1380 | 1390 |
| Benzo(a)pyrene | ug/kg | 1390 | 1410 |
| Benzo(b)fluoranthene | ug/kg | 609 | 546 |
| Benzo(g,h,i)perylene | ug/kg | 1470 | 1780 |
| Benzo(k)fluoranthene | ug/kg | 286 | 236 |
| 4-Bromophenyl phenyl ether | ug/kg | ND (11) | ND (11) |
| Butyl benzyl phthalate | ug/kg | ND (17) | ND (17) |
| 1,1'-Biphenyl | ug/kg | ND (3.4) | ND (3.4) |
| Benzaldehyde | ug/kg | ND (6.8) | ND (6.8) |
| 2-Chloronaphthalene | ug/kg | ND (9.2) | ND (9.2) |
| 4-Chloroaniline | ug/kg | ND (9.5) | ND (9.5) |
| Carbazole | ug/kg | ND (14) | ND (14) |
| Caprolactam | ug/kg | ND (9.3) | ND (9.3) |
| Chrysene | ug/kg | 1590 | 1520 |
| bis(2-Chloroethoxy)methane | ug/kg | ND (12) | ND (12) |
| bis(2-Chloroethyl)ether | ug/kg | ND (8.9) | ND (8.9) |
| bis(2-Chloroisopropyl)ether | ug/kg | ND (8.8) | ND (8.8) |
| 4-Chlorophenyl phenyl ether | ug/kg | ND (8.9) | ND (8.9) |
| 2,4-Dinitrotoluene | ug/kg | ND (13) | ND (13) |
| 2,6-Dinitrotoluene | ug/kg | ND (11) | ND (11) |
| 3,3'-Dichlorobenzidine | ug/kg | ND (7.5) | ND (7.5) |
| Dibenzo(a,h)anthracene | ug/kg | 255 | 263 |
| Dibenzofuran | ug/kg | 438 | 497 |
| Di-n-butyl phthalate | ug/kg | ND (6.6) | ND (6.6) |
| Di-n-octyl phthalate | ug/kg | ND (14) | ND (14) |
| Diethyl phthalate | ug/kg | ND (10) | ND (10) |
| Dimethyl phthalate | ug/kg | 57.6 | 58.4 |
| bis(2-Ethylhexyl)phthalate | ug/kg | 147 | ND (26) |
| Fluoranthene | ug/kg | 1450 | 1290 |
| Fluorene | ug/kg | 1670 | 1900 |
| Hexachlorobenzene | ug/kg | ND (9.7) | ND (9.7) |
| Hexachlorobutadiene | ug/kg | ND (8.2) | ND (8.2) |
| Hexachlorocyclopentadiene | ug/kg | ND (30) | ND (30) |
| Hexachloroethane | ug/kg | ND (8.2) | ND (8.2) |
| Indeno(1,2,3-cd)pyrene | ug/kg | 518 | 426 |
| Isophorone | ug/kg | ND (8.0) | ND (8.0) |
| 2-Methylnaphthalene | ug/kg | 948 | 1550 |
| 2-Nitroaniline | ug/kg | ND (13) | ND (13) |
| 3-Nitroaniline | ug/kg | ND (12) | ND (12) |
| 4-Nitroaniline | ug/kg | ND (12) | ND (12) |
| Naphthalene | ug/kg | ND (8.1) | ND (8.1) |
| Nitrobenzene | ug/kg | ND (8.6) | ND (8.6) |
| N-Nitroso-di-n-propylamine | ug/kg | ND (7.2) | ND (7.2) |
| N-Nitrosodiphenylamine | ug/kg | ND (18) | ND (18) |
| Phenanthrene | ug/kg | 7500 | 7450 |

TABLE 3F

HONEYWELL - SA 5 Site 090, Jersey City, NJ

| Sample ID: | | 090-WC-STNSP5-1 | 090-WC-STNSP5-2 |
|--|-------|-----------------|-----------------|
| Lab Report ID: | | JA76323 | JA76323 |
| Date Sampled: | | 5/19/2011 | 5/19/2011 |
| Matrix: | | Stone/Soil | Stone/Soil |
| Pyrene | ug/kg | 13100 | 13400 |
| GC/MS Volatiles (SW846 8260B) | | | |
| Benzene | mg/l | ND (0.0012) | ND (0.0012) |
| 2-Butanone (MEK) | mg/l | ND (0.0081) | ND (0.0081) |
| Carbon tetrachloride | mg/l | ND (0.0013) | ND (0.0013) |
| Chlorobenzene | mg/l | ND (0.0019) | ND (0.0019) |
| Chloroform | mg/l | ND (0.0012) | ND (0.0012) |
| 1,4-Dichlorobenzene | mg/l | ND (0.0014) | ND (0.0014) |
| 1,2-Dichloroethane | mg/l | ND (0.0017) | ND (0.0017) |
| 1,1-Dichloroethene | mg/l | ND (0.0020) | ND (0.0020) |
| Tetrachloroethene | mg/l | ND (0.0013) | ND (0.0013) |
| Trichloroethene | mg/l | ND (0.0012) | ND (0.0012) |
| Vinyl chloride | mg/l | ND (0.0022) | ND (0.0022) |
| GC/MS Semi-Volatiles (SW846 8270C) | | | |
| 2-Methylphenol | mg/l | ND (0.011) | ND (0.011) |
| 3&4-Methylphenol | mg/l | ND (0.010) | ND (0.010) |
| Pentachlorophenol | mg/l | ND (0.0080) | ND (0.0080) |
| 2,4,5-Trichlorophenol | mg/l | ND (0.013) | ND (0.013) |
| 2,4,6-Trichlorophenol | mg/l | ND (0.012) | ND (0.012) |
| 1,4-Dichlorobenzene | mg/l | ND (0.0039) | ND (0.0039) |
| 2,4-Dinitrotoluene | mg/l | ND (0.0022) | ND (0.0022) |
| Hexachlorobenzene | mg/l | ND (0.0037) | ND (0.0037) |
| Hexachlorobutadiene | mg/l | ND (0.0037) | ND (0.0037) |
| Hexachloroethane | mg/l | ND (0.0026) | ND (0.0026) |
| Nitrobenzene | mg/l | ND (0.0025) | ND (0.0025) |
| Pyridine | mg/l | ND (0.0027) | ND (0.0027) |
| Herbicide TCLP (SW846 8151, 3510C) | | | |
| 2,4-D | mg/l | ND (0.0013) | ND (0.0013) |
| 2,4,5-TP (Silvex) | mg/l | ND (0.00018) | ND (0.00018) |
| Total Herbicide (SW846 8151, 3550B) | | | |
| 2,4-D | ug/kg | ND (4.3) | ND (4.3) |
| 2,4,5-TP (Silvex) | ug/kg | ND (0.52) | ND (0.52) |
| 2,4,5-T | ug/kg | ND (1.3) | ND (1.3) |
| Pesticide TCLP (SW846 8081A) | | | |
| gamma-BHC (Lindane) | mg/l | ND (0.000011) | ND (0.000011) |
| Chlordane | mg/l | ND (0.00079) | ND (0.00079) |
| Endrin | mg/l | ND (0.000031) | ND (0.000031) |
| Heptachlor | mg/l | ND (0.000020) | ND (0.000020) |
| Heptachlor epoxide | mg/l | ND (0.000016) | ND (0.000016) |
| Methoxychlor | mg/l | ND (0.000068) | ND (0.000068) |
| Toxaphene | mg/l | ND (0.0021) | ND (0.0021) |
| Pesticide TCL (SW846 8081A, 3545) | | | |
| Aldrin | ug/kg | ND (0.31) | ND (0.30) |
| alpha-BHC | ug/kg | ND (0.46) | ND (0.46) |
| beta-BHC | ug/kg | ND (0.43) | ND (0.43) |
| delta-BHC | ug/kg | ND (0.36) | ND (0.36) |
| gamma-BHC (Lindane) | ug/kg | ND (0.28) | ND (0.28) |
| alpha-Chlordane | ug/kg | ND (0.40) | ND (0.40) |
| gamma-Chlordane | ug/kg | ND (0.31) | ND (0.31) |
| Dieldrin | ug/kg | 2.4 | ND (0.47) |
| 4,4'-DDD | ug/kg | ND (0.31) | ND (0.31) |
| 4,4'-DDE | ug/kg | 3.8 | 3.7 |
| 4,4'-DDT | ug/kg | ND (0.45) | 10.9 |
| Endrin | ug/kg | ND (0.31) | ND (0.31) |
| Endosulfan sulfate | ug/kg | 3.7 | ND (0.55) |
| Endrin aldehyde | ug/kg | 22.9 | 17.8 |

TABLE 3F

HONEYWELL - SA 5 Site 090, Jersey City, NJ

| Sample ID: | | 090-WC-STNSP5-1 | 090-WC-STNSP5-2 |
|-------------------------------|--------|-----------------|-----------------|
| Lab Report ID: | | JA76323 | JA76323 |
| Date Sampled: | | 5/19/2011 | 5/19/2011 |
| Matrix: | | Stone/Soil | Stone/Soil |
| Endosulfan-I | ug/kg | 2 | ND (0.30) |
| Endosulfan-II | ug/kg | 7.7 | 6.3 |
| Heptachlor | ug/kg | ND (0.38) | ND (0.37) |
| Heptachlor epoxide | ug/kg | ND (0.30) | ND (0.30) |
| Methoxychlor | ug/kg | ND (0.43) | ND (0.43) |
| Endrin ketone | ug/kg | 17.9 | 16 |
| Toxaphene | ug/kg | ND | ND |
| PCB (SW846 8082) | | | |
| Aroclor 1016 | ug/kg | ND (8.0) | ND (8.0) |
| Aroclor 1221 | ug/kg | ND (19) | ND (19) |
| Aroclor 1232 | ug/kg | ND (16) | ND (16) |
| Aroclor 1242 | ug/kg | ND (9.8) | ND (9.8) |
| Aroclor 1248 | ug/kg | ND (9.3) | ND (9.4) |
| Aroclor 1254 | ug/kg | ND (14) | ND (14) |
| Aroclor 1260 | ug/kg | ND (10) | ND (10) |
| TCLP Metals Analysis | | | |
| Arsenic | mg/l | <0.50 | <0.50 |
| Barium | mg/l | <1.0 | <1.0 |
| Cadmium | mg/l | <0.0050 | <0.0050 |
| Chromium | mg/l | 0.13 | 0.14 |
| Lead | mg/l | <0.50 | <0.50 |
| Mercury | mg/l | <0.00020 | <0.00020 |
| Selenium | mg/l | <0.50 | <0.50 |
| Silver | mg/l | <0.010 | <0.010 |
| Total Metals Analysis | | | |
| Arsenic | mg/kg | 2.9 | 3.5 |
| Barium | mg/kg | 37.3 | 29.5 |
| Cadmium | mg/kg | <0.54 | <0.53 |
| Chromium | mg/kg | 270 | 447 |
| Lead | mg/kg | 22.6 | 24.2 |
| Mercury | mg/kg | 0.24 | 0.19 |
| Selenium | mg/kg | <2.2 | <2.1 |
| Silver | mg/kg | <0.54 | <0.53 |
| General Chemistry | | | |
| Chromium, Hexavalent | mg/kg | 14.0 | 19.9 |
| Corrosivity as pH | su | 8.13 | 8.26 |
| Cyanide Reactivity | mg/kg | <10 | <10 |
| Ignitability (Flashpoint) | Deg. F | >200 | >200 |
| Sulfide Reactivity | mg/kg | <100 | <100 |
| NJDEP EPH (SW846 3545) | | | |
| EPH (C9-C28) | mg/kg | 3550 | 4290 |
| EPH (>C28-C40) | mg/kg | 2360 | 2370 |
| Total EPH (C9-C40) | mg/kg | 5910 | 6650 |

Table Notes:

ND Not Detected

Shaded area represents results above the N.
Residential Soil Remediation Standards

Table 4.0

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.306 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.610 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.230 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.293 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.942 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.409 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.547 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.536 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.467 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.414 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.338 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.411 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.044 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.216 |
| 6/2/2011 | 184 - TW-01-060211 | Total Chromium | 0.403 | 0.014359 | 0.048 |

FIGURES

STUDY AREA 5 REMEDIAL ACTION REPORT
FORMER BALDWIN STEEL SITE (NJDEP SITE 090)
FORMER MI HOLDINGS SITE (NJDEP SITE 184)
FORMER MORRIS CANAL SITE (NJDEP SITE 153)
JERSEY CITY, NEW JERSEY

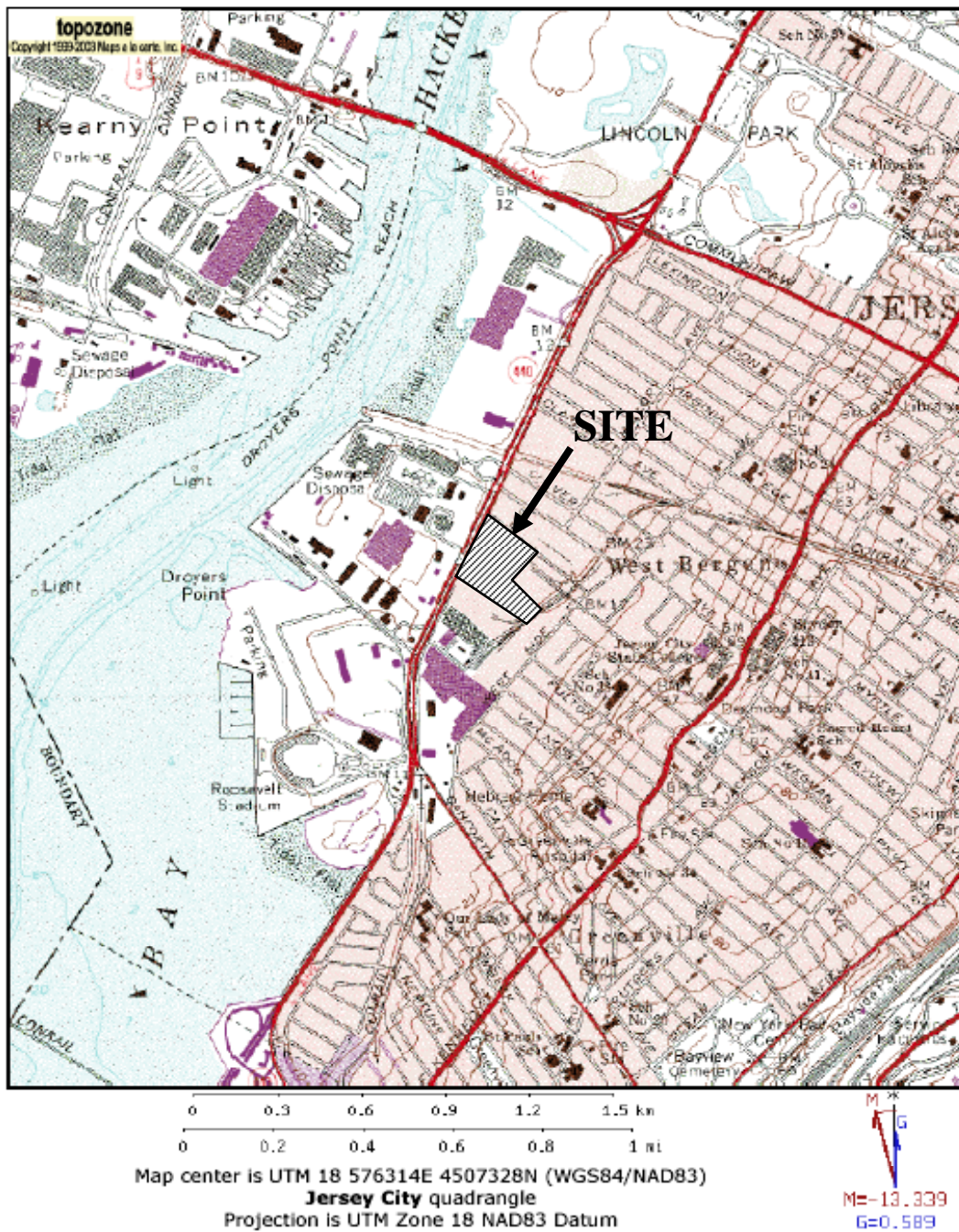
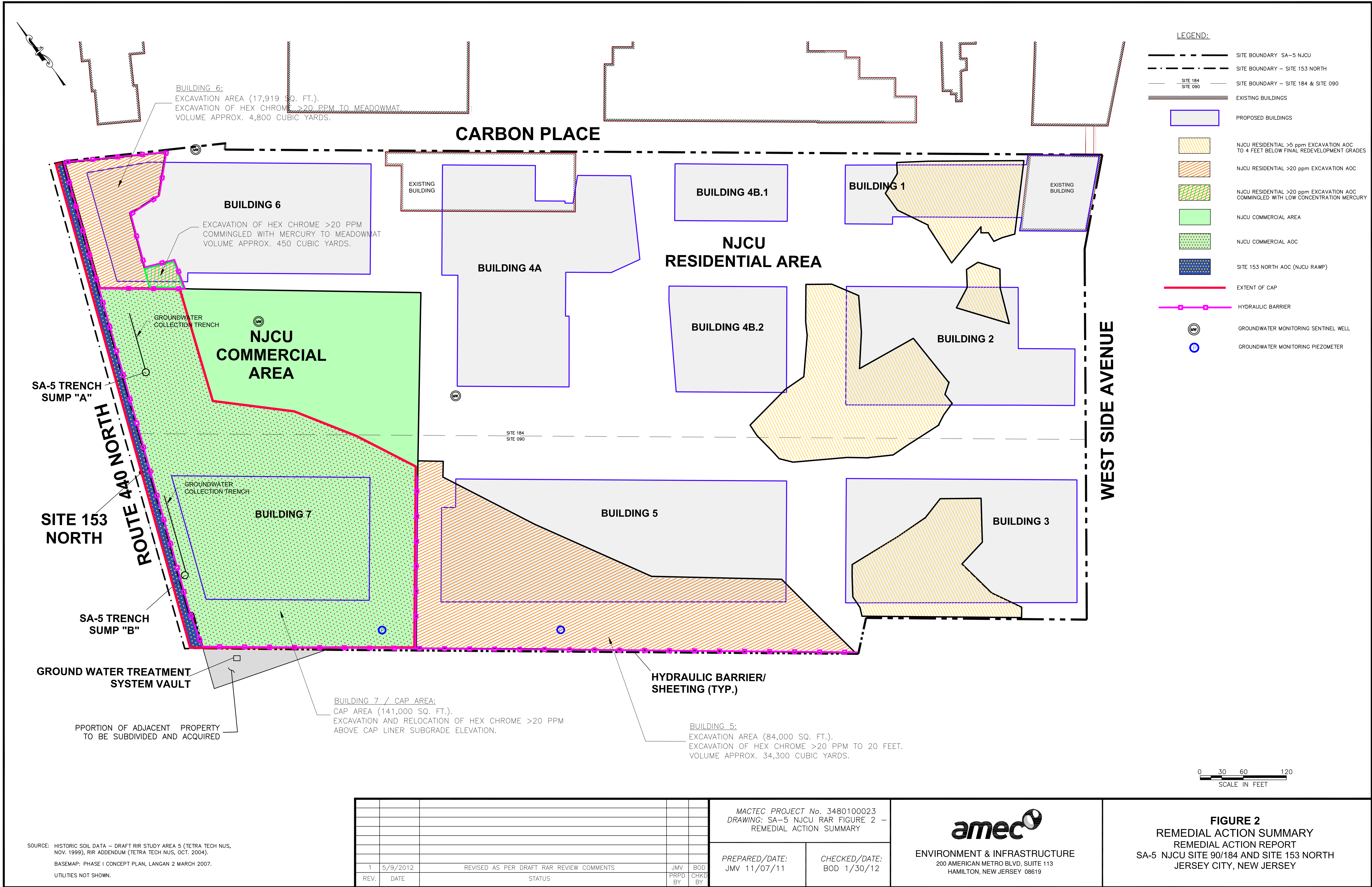
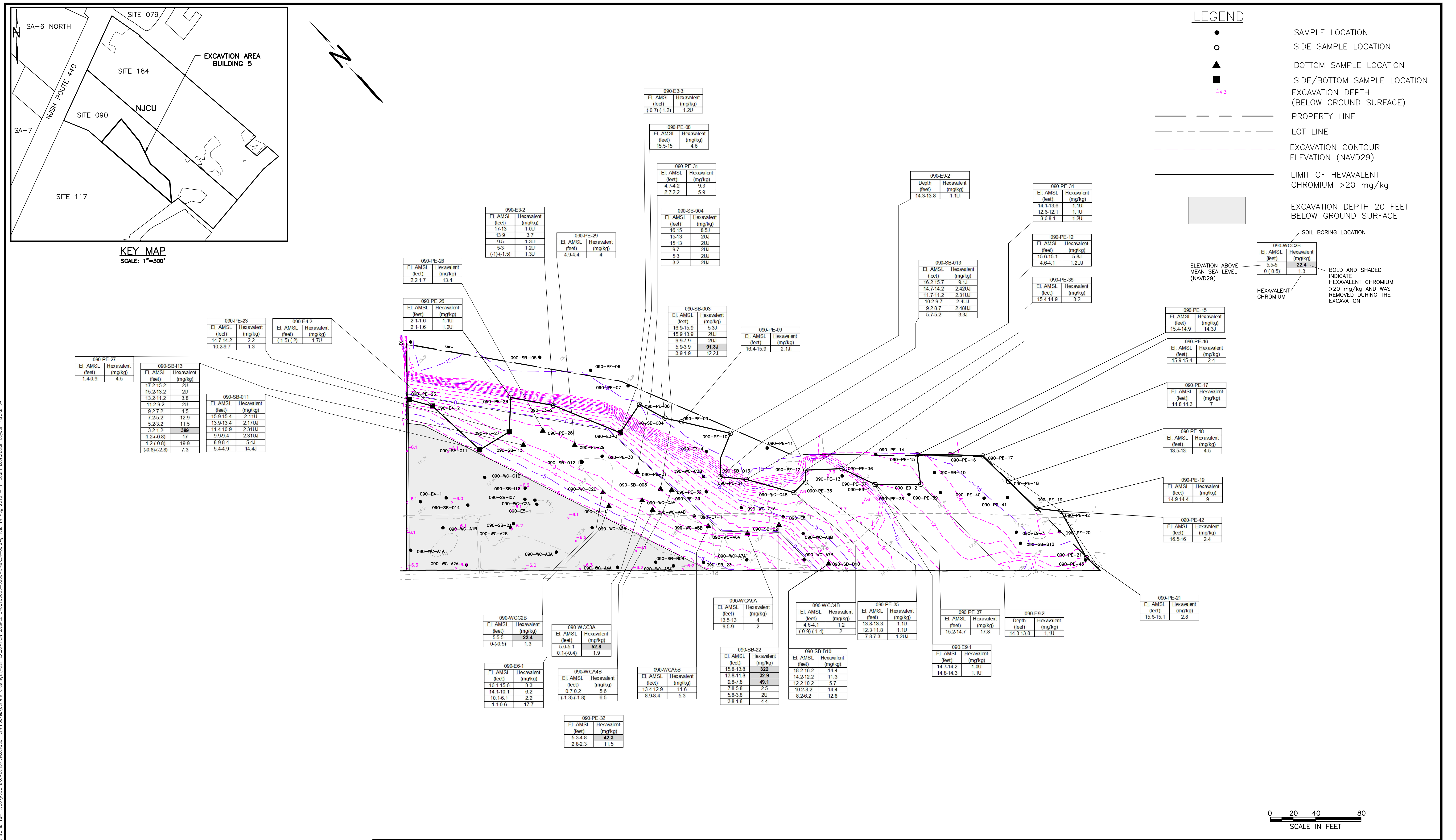


FIGURE 1
SITE LOCATION MAP
STUDY AREA 5 – SITES 090 AND 184
JERSEY CITY, NEW JERSEY





SOURCE REFERENCE:

"AS-BUILT SURVEY SUB-GRADE" PREPARED BY KSS (KENNON SURVEYING SERVICES, INC.) WARREN, NEW JERSEY. SHEET 2 OF 2 DATED 01/13/12
HORIZONTAL DATUM: NAD83, VERTICAL DATUM: NGVD29.

| | | | | | | | |
|------|----------|---|--|---------|---------|---|------------------------------|
| | | | | | | AMEC PROJECT No. 3480110292 DRAWING: 3480100023-5200-CMBX3A-00 | |
| 2 | 05/22/12 | REVISE LEGEND & KEY MAP, REPLACE CHEM BOXES | | STR | AG | PREPARED/DATE: STR 09/30/11 | CHECKED/DATE: AG 12/16/12 |
| 1 | 05/18/12 | REVISED CHEM BOXES (ADD GROUND ELEVATION) | | STR | AG | | |
| 0 | 02/16/12 | ISSUE TO HONEYWELL | | DL | AG | | |
| REV. | DATE | STATUS | | PRPD BY | CHKD BY | | |

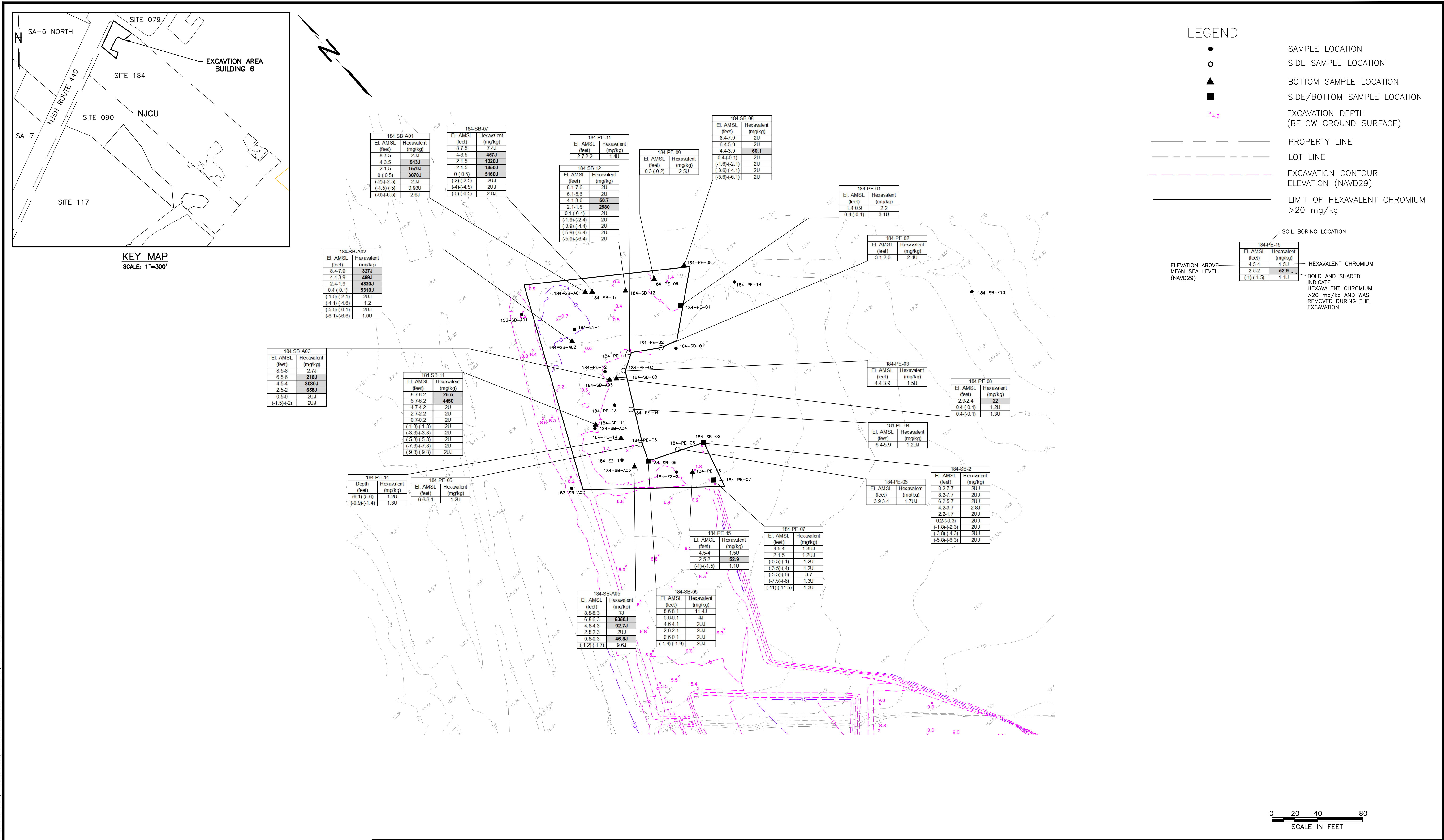
amec

ENVIRONMENT & INFRASTRUCTURE

200 AMERICAN METRO BLVD, SUITE 113
HAMILTON, NEW JERSEY 08619

FIGURE 3A
POST EXCAVATION SAMPLE RESULTS
STUDY AREA 5
BUILDING 5 SITES 90 & 184
JERSEY CITY, NEW JERSEY

D:\GLO\HONEYWELL\JERSEY CITY\G4 & 184\NJC\NJC\EXCAVATION\excavation\chemboxes\current drawings\POST EXCAVATION SAMPLE 3480100023-5200-CMBX3B-00.dwg, Tue, 14 Aug 2012 11:28am, eastatdwin, Layout: PG03E-3B



SOURCE REFERENCE:

"AS-BUILT SURVEY SUB-GRADE" PREPARED BY KSS (KENNON SURVEYING SERVICES, INC.) WARREN, NEW JERSEY. SHEET 2 OF 2 DATED 01/13/12
HORIZONTAL DATUM: NAD83, VERTICAL DATUM: NGVD29.

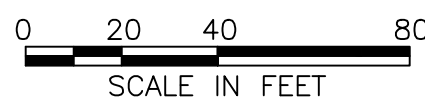
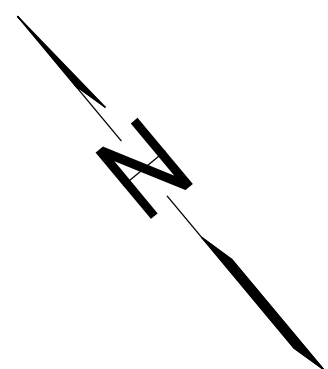
| | | | | | |
|------|----------|---|---------|---------|--|
| | | | | | |
| | | | | | |
| 3 | 06/25/12 | REVISED KEY MAP, LEGEND & EXCAVATION AREA, ADD SOURCE REFERENCE | STR | AG | |
| 2 | 05/22/12 | REVISED LEGEND | STR | AG | |
| 1 | 05/18/12 | REVISED CHEM BOXES (ADD GROUND ELEVATION) | STR | AG | |
| 0 | 02/16/12 | ISSUE TO HONEYWELL | DL | AG | |
| REV. | DATE | STATUS | PRPD BY | CHKD BY | |

| | |
|---|-----------------------------|
| AMEC PROJECT No. 3480110292 DRAWING: 3480100023-5200-CMBX3B-00 | |
| PREPARED/DATE: STR 9/30/11 | CHECKED/DATE: AG 2/16/12 |



ENVIRONMENT & INFRASTRUCTURE
200 AMERICAN METRO BLVD, SUITE 113
HAMILTON, NEW JERSEY 08619

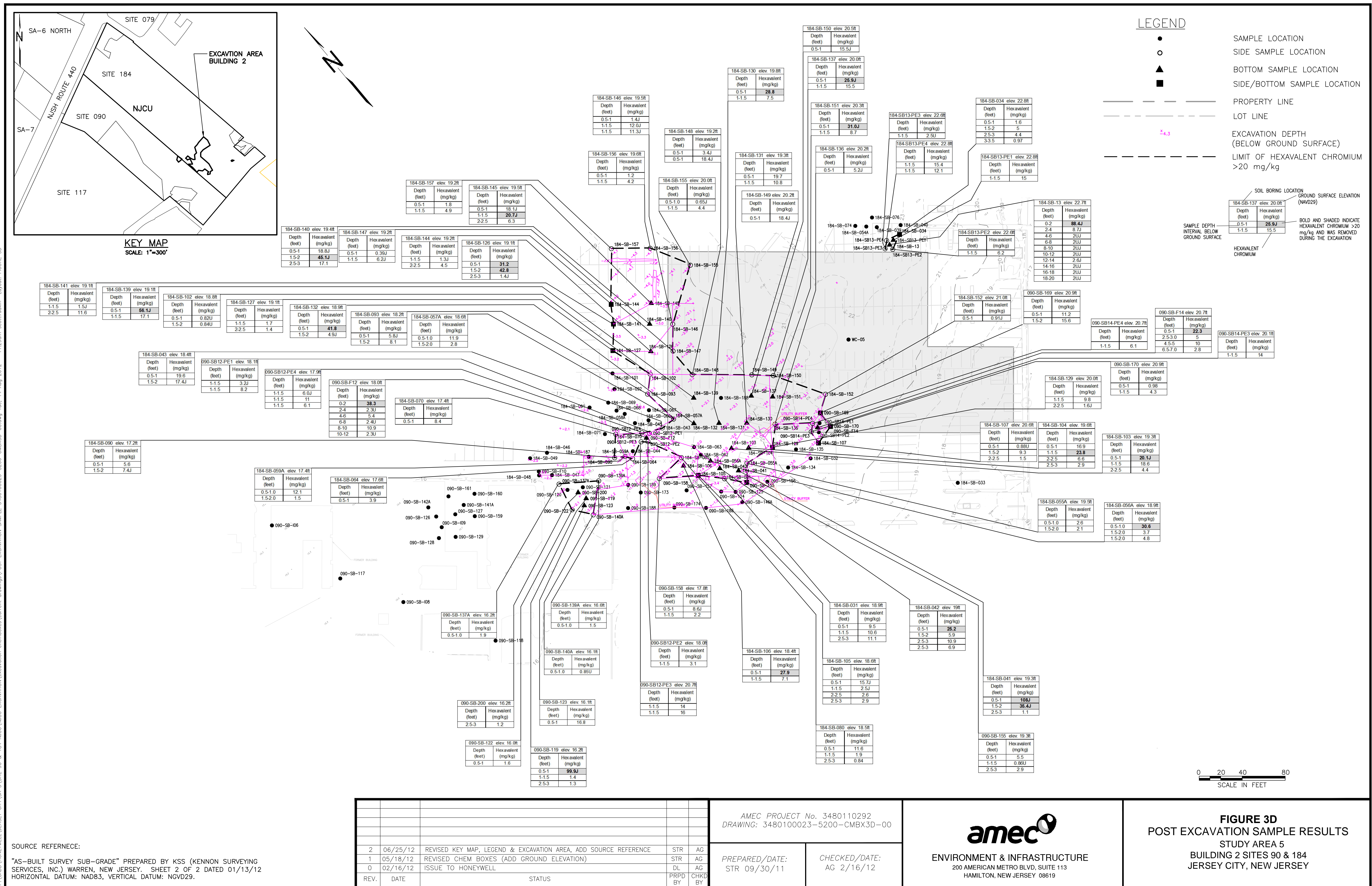
FIGURE 3B
POST EXCAVATION SAMPLE RESULTS
STUDY AREA 5
BUILDING 6 SITES 90 & 184
JERSEY CITY, NEW JERSEY



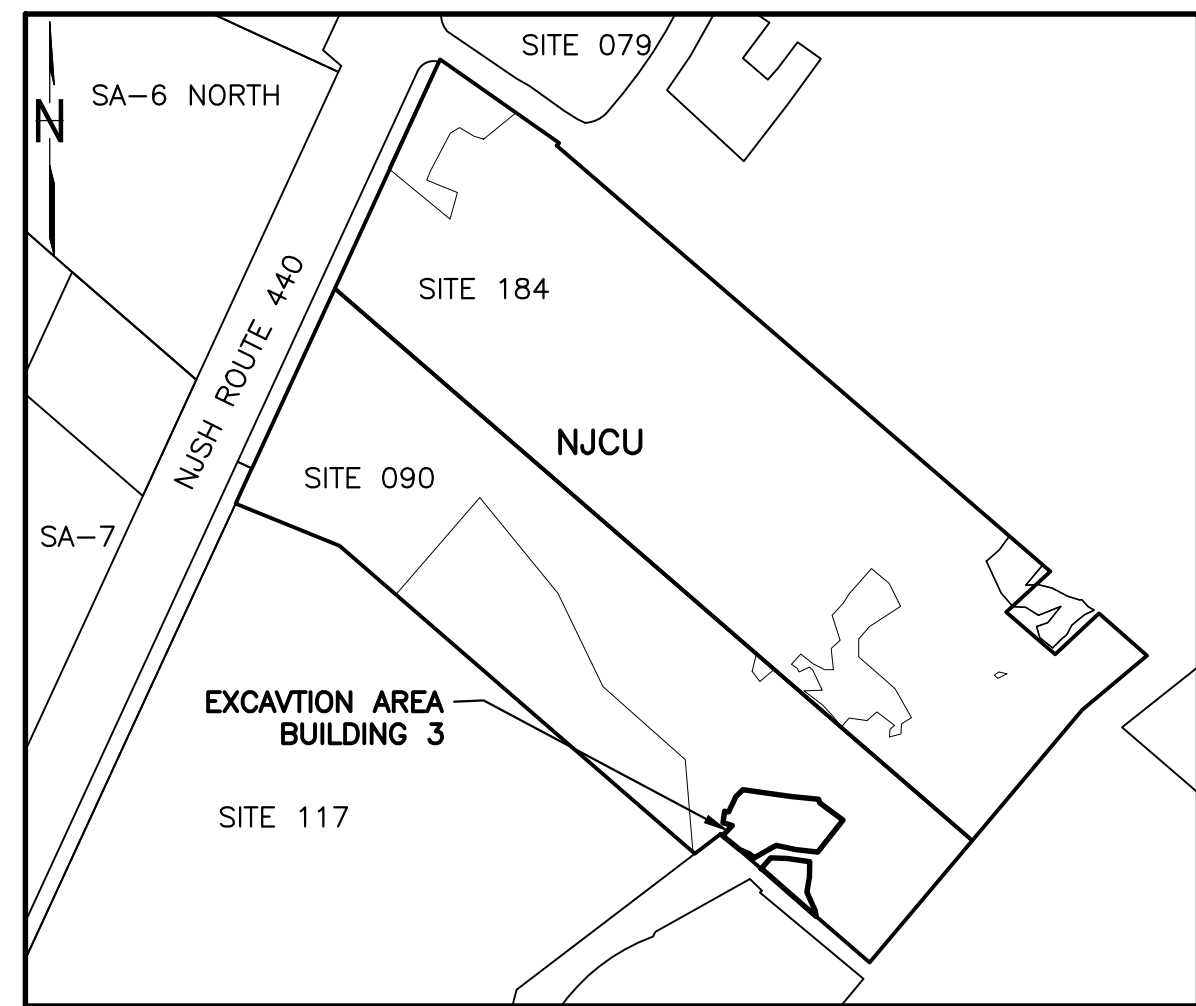
| | |
|---|-------------------------------------|
| <p>AMEC PROJECT No. 3480110292 DRAWING: 3480100023-5200-CMBX3C-00</p> | |
| <p>PREPARED/DATE: STR 09/30/11</p> | <p>CHECKED/DATE: AG 2/16/12</p> |

FIGURE 3C
POST EXCAVATION SAMPLE RESULTS
STUDY AREA 5
BUILDING 1 AREA, SITES 90 & 184
JERSEY CITY, NEW JERSEY

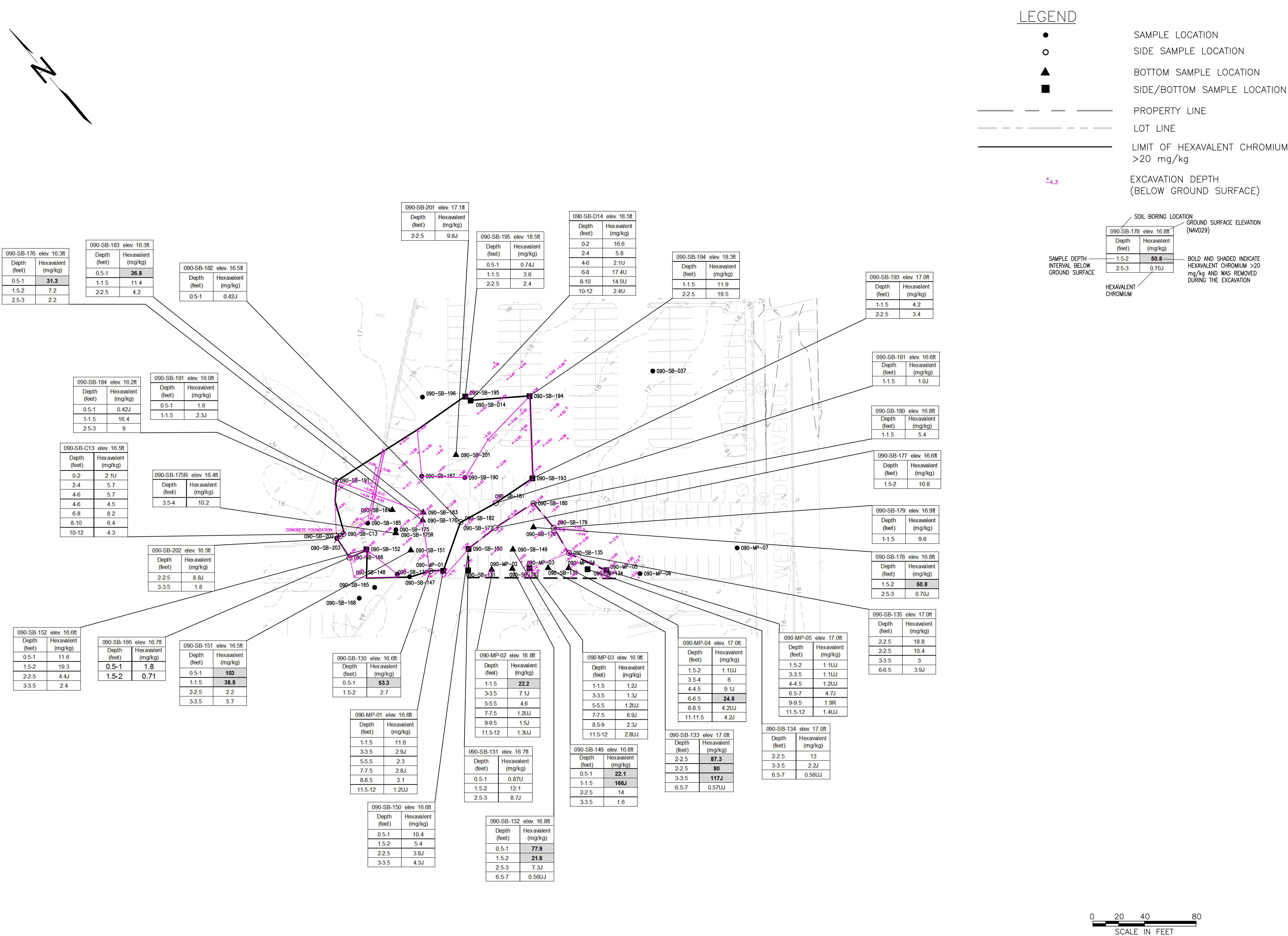
"AS-BUILT SURVEY SUB-GRADE" PREPARED BY KSS (KENNON SURVEYING SERVICES, INC.) WARREN, NEW JERSEY. SHEET 2 OF 2 DATED 01/13/12
HORIZONTAL DATUM: NAD83, VERTICAL DATUM: NGVD29.



F:\CAD\HONEYWELL\JERSEY CITY\SA 5\SITE 90 & 184\NJCU\NJCU EXCAVATION\excavation chemboxes\current drawings\POST EXCAVATION SAMPLE 3480100023-5200-CMBX3E-00.dwg Tue, 14 Aug 2012 - 11:29am scott.madkin Layout: FIGURE 3E



KEY MAP
SCALE: 1"=300'



SOURCE REFERENCE:

"AS-BUILT SURVEY SUB-GRADE" PREPARED BY KSS (KENNON SURVEYING SERVICES, INC.) WARREN, NEW JERSEY. SHEET 2 OF 2 DATED 01/13/12
HORIZONTAL DATUM: NAD83, VERTICAL DATUM: NGVD29.

| REV. | DATE | STATUS | PRPD BY | CHKD BY |
|------|----------|---|---------|---------|
| 2 | 06/25/12 | REVISED KEY MAP, LEGEND & EXCAVATION AREA, ADD SOURCE REFERENCE | STR | AG |
| 1 | 05/18/12 | REVISED CHEM BOXES (ADD GROUND ELEVATION) | STR | AG |
| 0 | 02/16/12 | ISSUE TO HONEYWELL | DL | AG |

AMEC PROJECT No. 3480110292
DRAWING: 3480100023-5200-CMBX3E-00

PREPARED/DATE:
STR 09/30/11

CHECKED/DATE:
AG 2/16/12

amec
ENVIRONMENT & INFRASTRUCTURE
200 AMERICAN METRO BLVD, SUITE 113
HAMILTON, NEW JERSEY 08619

FIGURE 3E
POST EXCAVATION SAMPLE RESULTS
STUDY AREA 5
BUILDING 3 AREA SITES 90 & 184
JERSEY CITY, NEW JERSEY

APPENDIX A

FIELD REPORTS AND PHOTOGRAPHIC LOGS

STUDY AREA 5 REMEDIAL ACTION REPORT
FORMER BALDWIN STEEL SITE (NJDEP SITE 090)
FORMER MI HOLDINGS SITE (NJDEP SITE 184)
PORTION OF FORMER MORRIS CANAL SITE (NJDEP SITE 153 NORTHERN SEGMENT)
JERSEY CITY, NEW JERSEY

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

August 9, 2010

Monday

WEATHER

| Date | Weather | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|------------------|------------------|----------------|
| 8/9/2010 | Clear | 73 - 93 | 5-11 | W-SW |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|----------|-------------|------------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 8/9/2010 | MACTEC | Construction Management (CM) | 4 | 32 | | | | |
| 8/9/2010 | Sevenson | Excavation/Backfill | 2 | 16 | | | 1 | 8 |
| 8/9/2010 | | Totals | 6 | 48 | | | 1 | 8 |

HEALTH & SAFETY

Toolbox Meeting Topic:

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- Base air monitoring completed previously
- Daily monitoring on stand-by until required

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | |

Roll-Off Boxes Shipped

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------|
| None | | | | | | | | |

MATERIAL RECEIVING

Backfill

| No. Trucks | Transporter | Origination | Material | Net Tons | Average Tons/Truck | Total Tons to Date * |
|------------|-------------|-------------|----------|----------|--------------------|----------------------|
| | | | | | | |

General Use Material

| Quantity | Units | Description | Origination | Use |
|----------|-------|----------------------|------------------|---|
| 3 | bags | Backfill soil sample | Weldon Materials | Backfill soil samples to be used for friction tests |

EXCAVATION/BACKFILL

Excavation/Backfill Comments/Issues

- NJCU padlock double linked to SES lock at both gates for access if required.
- Mobilized SES management personnel to jobsite.
- SES Obtained soil samples of General Backfill from Weldon Materials
- SES & Mactec discussed site logistics and initial temporary electric installation with Giannos Bros electric and PSEG.
 - Electrical utility dropper to come off 3rd utility pole to the south of 440/Carbon Place intersection. This will place it north of the future truck entrance/exit. The dropper will extend to a utility pole inside the site which will be installed within 100' of the outside pole.
 - This overhead line will have to be temporarily removed when the sheetpile is driven in the vicinity and, during that time, generators will supply power on site.
 - No time frame yet on installation; SES has not yet submitted the applications for the permits.
 - Of the nine PSE&G utility poles located on M.I. Holdings site, the five western-most will have to be removed for the excavation effort and the four eastern ones (which are outside

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

the work area) will remain. SES will contact "Nancy" at PSE&G to arrange for de-energizing/removal.

- All overhead lines on the property, including the ones on the poles which are to remain, will be removed.

ADDITIONAL SITE ACTIVITIES

Additional Site Activities

- MACTEC & SES pre-construction meeting with NJDOT
 - All temporary traffic signs will be fabric and installed north of Danforth Ave. Signs will be placed on the road side and in the median where possible;
 - As requested by NJDOT, SES will install a "Trucks Entering & Exiting Highway" sign in an appropriate location;
 - NJDOT will check the manual and notify the spacing requirement needed between attenuator sand barrels;
 - We provided NJDOT with an August 18th start date for installation of traffic control measures;
 - NJDOT will provide Mactec with information regarding the potential for repaving or planned improvements on Route 440 within the area of the site; and,
 - NJDOT will provide Mactec with information regarding the potential for any planned ROW or sidewalk work on Route 440 within the area of the site.

MAJOR EQUIPMENT

| Quantity | Description | Mobilized | Demobilized |
|----------|-------------|-----------|-------------|
| NONE | | | |

GENERAL COMMENTS/ISSUES

- None

VISITORS ONSITE

- Gabriel Nunez – NJDOT
- Kyle Rounsaville – NJDOT
- Giannos Electric – Subcontractor (Temp. service)
- PSE&G (Temp. Service)

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

August 11, 2010

Wednesday

WEATHER

| Date | Weather | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|------------------|------------------|----------------|
| 8/11/2010 | Clear | 88-74 | 6-14 | E-NE |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|------------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 8/11/2010 | MACTEC | CM | 4 | 36 | | | | |
| 8/11/2010 | SES | Excavation/Backfill | 2 | 16 | | | 5 | 40 |
| 8/11/2010 | Giannos Elec. | Electrical Sub. | 1 | 8 | | | 1 | 8 |
| 8/11/2010 | | Totals | 7 | 60 | | | 6 | 48 |

HEALTH & SAFETY

Toolbox Meeting Topic: Working around heavy equipment

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- Driveway exiting site support area –increased risk of an accident due to limited visibility when exiting the support area driveway onto carbon place.
 - It was agreed between George, Stu, and Kathy (NJCU) that the two white pines located to the west of the entrance and sections of extra fencing would be removed in an effort to increase visibility for drivers exiting the site.

Perimeter Air Monitoring

- None

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Wastewater Treatment Plant Comments/Issues

- None

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | |

Roll-Off Boxes Shipped

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | | 8/11/2010 | | Nacerima | | Scrap | | |
| 30 cy | | 8/11/2010 | | WM | | Debris, trash, wood | | |

MATERIAL RECEIVING

Backfill

| No. Trucks | Transporter | Origination | Material | Net Tons | Average Tons/Truck | Total Tons to Date * |
|------------|-------------|-------------|----------|----------|--------------------|----------------------|
| | | | | | | |

General Use Material

| Quantity | Units | Description | Origination | Use |
|----------|-------|-------------|-------------|-----|
| | | | | |

EXCAVATION/BACKFILL

Excavation/Backfill Comments/Issues

- Continued mobilization of heavy equipment to the jobsite.
- Continued removal of existing interior fencing at the southern edge of the Baldwin Steel slab..
- Initiated mobilization of temporary office trailers (3), guard trailer and tool trailers.
- Performed lay out / mark out of temporary Water Treatment Plant Area, Traffic Control Barrier Area and lay out for traffic control signs.
- Continued clearing and grubbing activities.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- SES met with PSEG in regards to a potentially live high pressure gas line located within the Remediation limits (Southeast Corner) and discussed notifications for excavations around high subsurface electric lines.
 - PSE&G was on site to locate/mark out utilities. Mark Plaskon of PSE&G could not confirm through his office that the 4" high pressure gas line which stubs up behind the Baldwin Steel slab has been disconnected/abandoned. He called for a markout on West Side Avenue where it ties into a 16" line and the markout is scheduled for early next week. Later in the week, PSE&G will excavate and either A) determine that the line is disconnected or B) close/disconnect the line.
- Severson waiting on hexavalent chromium results for DGA (stone) material from Weldon Materials.

ADDITIONAL SITE ACTIVITIES

- New Jersey City University subcontractors on site to remove card readers, bollards and other security equipment from the northwest gated entrance to the site. Once the booth is de-energized, it will also be removed from the island and placed in a location of NJCU's choosing.
- ID numbers for the nine PSE&G utility poles located on SA5 were supplied to NJCU. They will make arrangements for their service termination.
- George/Stu spoke with Kathy of NJCU and it was agreed that the old roll gate on the west side of the currently used Carbon Place entrance could be removed and disposed of.
- SES cut up metal fencing and wood for disposal and placed in roll-offs.
- SES removed fence posts and other metal debris from along an interior fenceline
- Stu notified Kyle Rounsaville (Permit Inspector - NJDOT) by phone that jersey barrier and traffic control work will begin within Rt 440N ROW the following day (Thursday, 8/12/10)

MAJOR EQUIPMENT

- Severson - Delivered, (1) CAT IT38G Front Wheel Loader
- Williams Scotsman – Delivered (2) 10' x 50' mobile trailers, (1) 8' x 24' mobile trailer, (1) guard house and (1) tool storage container.
- Nacerima – Delivered (1) scrap roll off dumpster
- Waste Management – Delivered (1) roll off dumpster (Construction debris, trash and wood).

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 2 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| | | | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | CAT IT38G Front Wheel Loader | 8/11/2010 | |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES**

- Amy Neu Site Access (SE corner of site) - Sketch and photos taken and forwarded to Jeremy Karpatkin (Arnold Porter)

VISITORS ONSITE

- Raymond Catena – DCA Electrical Inspector
- PSE&G
- Kathy Montero - NJCU

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

August 12, 2010

Thursday

WEATHER

| Date | Weather | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|------------------|------------------|----------------|
| 8/12/2010 | Clear | 88-74 | 6-14 | E-NE |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|------------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 8/12/2010 | MACTEC | CM | 4 | 32 | | | | |
| 8/12/2010 | SES | Excavation/Backfill | 2 | 16 | | | 5 | 40 |
| 8/12/2010 | Giannos Elec. | Electrical Sub. | | | | | 2 | 16 |
| 8/12/2010 | | Totals | 7 | 60 | | | 6 | 48 |

HEALTH & SAFETY

Toolbox Meeting Topic: Hoisting/Lifting & Working near traffic

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- Directed SES to remove (2) two pines along Carbon place as per Mactec to improve vision as vehicles are exiting to the left on Carbon Place.

Perimeter Air Monitoring

- None

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | | 8/11/2010 | | Nacerima | | Scrap | | |
| 30 cy | | 8/11/2010 | | WM | | Debris, trash, wood | | |

MATERIAL RECEIVING

Backfill

| No. Trucks | Transporter | Origination | Material | Net Tons | Average Tons/Truck | Total Tons to Date * |
|------------|-------------|-------------|----------|----------|--------------------|----------------------|
| | | | | | | |

General Use Material

| Date | Qty | Units | Description | Origination | Use |
|-----------|------|-------|---------------------------|----------------------|--------------------------|
| 8/12/2010 | 7.12 | CY | Sand | Weldon Materials | fill traffic attenuators |
| 8/12/2010 | 30 | pcs | 20' Conc. Jersey Barriers | Garden State Precast | Along Rt 440N |

**Traffic Safety Service (TSS) – Delivered traffic controls signs, impact attenuators and sand bags.

EXCAVATION/BACKFILL

Excavation/Backfill Comments/Issues

- SES continued mobilization and site preparation operations at the site.
- SES installed jersey barriers along the east side of Rt. 440 (approx 600 LF) in the pedestrian walkway area from the southwest corner of SA5 to the northwest corner. An approx. 75' gap was left where the future truck entrance/exit is to be installed.
- 10 impact attenuator barrels were installed at the southern end of the Rt. 440 jersey barriers as per DOT spec.
- Set up traffic control signs along RTE 440 to assist in traffic barrier installation.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- Continued removal of existing interior fencing.
- Giannos Bros Electric – Started installation of temporary electrical services to the Severson office trailer utilizing the 225 KVA generator.

ADDITIONAL SITE ACTIVITIES

- SES instructed Weldon materials to ship the DGA and General Backfill samples to Test America to perform hexavalent chromium test utilizing EPA standard method 7199. Test America was instructed to perform a 24-hour turnaround time on the DGA samples. Severson waiting on hexavalent chromium results for DGA (stone) material from Weldon Materials.
- Weekly meeting held at 60 Kellogg @ 4:30pm

MAJOR EQUIPMENT

- Delivered - Hertz Equipment – (1) 225 KVA silenced generator.

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 2 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| | | | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | CAT IT38G Front Wheel Loader | 8/11/2010 | |
| | | | |

GENERAL COMMENTS/ISSUES

- Presence of potentially live high pressure gas line located within the Remediation limits (Southeast Corner) may present future delays.

VISITORS ONSITE

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

August 13, 2010

Friday

WEATHER

| Date | Weather | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|------------------|------------------|----------------|
| 8/13/2010 | Clear | 81 - 65 | | |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 8/13/2010 | MACTEC | CM | 4 | 32 | | | | |
| 8/13/2010 | SES | Excavation/Backfill | 2 | 16 | | | 5 | 40 |
| 8/13/2010 | Giannos Elec. | Electrical Sub. | | | | | 2 | 16 |
| 8/13/2010 | | Totals | 7 | 60 | | | 6 | 48 |

HEALTH & SAFETY

Toolbox Meeting Topic: Personal Protection Equipment

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- None

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | | 8/11/2010 | | Nacerima | | Scrap | | |
| 30 cy | | 8/11/2010 | | WM | | Debris, trash, wood | | |

MATERIAL RECEIVING

Backfill

| No. Trucks | Transporter | Origination | Material | Net Tons | Average Tons/Truck | Total Tons to Date * |
|------------|-------------|-------------|----------|----------|--------------------|----------------------|
| | | | | | | |

General Use Material

| Date | Qty | Units | Description | Origination | Use |
|-----------|-----|-------|---------------------------|----------------------|----------------------|
| 8/13/2010 | 30 | pcs | 20' Conc. Jersey Barriers | Garden State Precast | Home Depot Fenceline |

EXCAVATION/BACKFILL CONTRACTOR

Excavation/Backfill Activities/Comments/Issues

- Continued mobilization and site preparation operations at the site.
- Continued installation of the NJDOT Traffic Barriers along RTE 440, Carbon Place and Temporary Trailer Complex.
- Unloaded and staged NJDOT traffic barriers to be installed along the Southern portion of the site.
- Completed mobilization of temporary office trailers.
- Performed work on patching fencing along the Southeastern portion of the site.
- SES met with Verizon / Giannos Bros. Electric to discuss temporary utility options involving site phone lines, fax and internet.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

ADDITIONAL SITE ACTIVITIES

- Test America to perform hexavalent chromium test utilizing EPA method 7199 on DGA material and Screened Fill material. Test America was instructed by SES to perform a 24-hour turnaround time on the samples.
- Jersey City Police Department – Performed Traffic detail to assist in temporary concrete barrier installation.

MAJOR EQUIPMENT

- Delivered – Williams Scotsman – (1) 50' x 10' trailer (Mactec Office) and (1) 10' x 40' trailer (SES break trailer).

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | CAT IT38G Front Wheel Loader | 8/11/2010 | |
| | | | |

GENERAL COMMENTS/ISSUES

- None

VISITORS ONSITE

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

August 16, 2010

Monday

WEATHER

| Date | Weather | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|----------|------------------|------------------|----------------|
| 8/16/2010 | Overcast | 69 - 86 | 6 - 11 | S-SW |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 8/16/2010 | MACTEC | CM | 4 | 32 | | | | |
| 8/16/2010 | Emilcott | Air Monitoring | 1 | 6 | | | | |
| 8/16/2010 | SES | Excavation/Backfill | 2 | 16 | | | 5 | 40 |
| 8/16/2010 | Giannos Elec. | Electrical Sub. | | | | | 2 | 16 |
| 8/16/2010 | | Totals | 7 | 54 | | | 7 | 56 |

TRAFFIC CONTROL

| Date | | Work being performed | | |
|-----------|--------------------|----------------------|-----------|-----------|
| | | | Personnel | Total Hrs |
| 8/16/2010 | Jersey City Police | Work along Rt. 440N | 1 | 4 |
| | | | | |

HEALTH & SAFETY

Toolbox Meeting Topic: Slips, trips, and falls

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues

- None

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | | 8/11/2010 | | Nacerima | | Scrap | | |
| 30 cy | | 8/11/2010 | | WM | | Debris, trash, wood | | |

MATERIAL RECEIVING

Backfill

| No. Trucks | Transporter | Origination | Material | Net Tons | Average Tons/Truck | Total Tons to Date * |
|------------|-------------|-------------|----------|----------|--------------------|----------------------|
| | | | | | | |

General Use Material

| Date | Qty | Units | Description | Origination | Use |
|-----------|-----|-------|---------------------------|----------------------|----------------------|
| 8/16/2010 | 30 | pcs | 20' conc. Jersey barriers | Garden State Precast | Home depot fenceline |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR

Excavation/Backfill Activities/Comments/Issues

- Continued mobilization and site preparation operations at the site.
- Continued to set up temporary trailer office complex.
- Continued to unload and stage NJDOT traffic barriers to be installed along the Southern portion of the site (Home Depot).
- Performed lay out of the temporary waste water treatment plant area and modutank area.
- SES met with PSEG to locate the high pressure gas line located along the Southeastern corner of the site and scheduling for abandonment. Located buried electrical line along RTE 440.
 - Ray Pardo of PSE&G confirmed that PSE&G would be excavating on West Side Avenue tomorrow to uncover the tie-in of the Baldwin Steel 4" high pressure gas line to the 16" line located there and either confirm that the line is decommissioned or disconnect/abandon the line.
- SES met with Kennon Surveying Services to discuss layout of remediation limits and excavation support system

ADDITIONAL SITE ACTIVITIES

- Giannos Bros. Electric – onsite to adjust generator setting to power temporary office complex.
- Jersey City Police Department – Performed Traffic detail (4 hrs) to assist in temporary concrete barrier installation.

MAJOR EQUIPMENT

- Delivered – Binder Equipment – one Komatsu D37 Dozer

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | CAT IT38G Front Wheel Loader | 8/11/2010 | |
| | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES

- None

VISITORS ONSITE

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

August 17, 2010

Tuesday

WEATHER

| Date | Weather | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|----------|------------------|------------------|----------------|
| 8/17/2010 | Overcast | 74 - 82 | 5 - 13 | S - SE |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 8/16/2010 | MACTEC | CM | 4 | 32 | | | | |
| 8/16/2010 | Emilcott | Air Monitoring | 2 | 16 | | | | |
| 8/16/2010 | SES | Excavation/Backfill | 4 | 32 | | | 5 | 40 |
| 8/16/2010 | Giannos Elec. | Electrical Sub. | | | | | 1 | 8 |
| 8/16/2010 | | Totals | 10 | 80 | | | 6 | 48 |

TRAFFIC CONTROL

| Date | Work being performed | Personnel | Total Hrs |
|------|----------------------|-----------|-----------|
| | | | |

HEALTH & SAFETY

Toolbox Meeting Topic: General PPE, Working around equipment

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- None

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Wastewater Treatment Plant Comments/Issues

- None

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | | 8/11/2010 | | Nacerima | | Scrap | | |
| 30 cy | | 8/11/2010 | 8/17/2010 | WM | | Debris, trash, wood | | |
| 30 cy | 4635 | 8/17/2010 | | WM | | Debris, trash, wood | | |

MATERIAL RECEIVING

Backfill

| No. Trucks | Transporter | Origination | Material | Net Tons | Average Tons/Truck | Total Tons to Date * |
|------------|-------------|-------------|----------|----------|--------------------|----------------------|
| | | | | | | |

General Use Material

| Date | Qty | Units | Description | Origination | Use |
|-----------|-----|-------|-------------------------|------------------------|----------------------|
| 8/17/2010 | 500 | LF | Temporary Fencing | Consolidated Fence Co. | Home depot fenceline |
| 8/17/2010 | 50 | pcs | Sandbags for temp fence | Consolidated Fence Co. | Home depot fenceline |

EXCAVATION/BACKFILL CONTRACTOR

Excavation/Backfill Activities/Comments/Issues

- Continued mobilization and site preparation operations at the site.
- Continued to set up temporary trailer office complex.
- Performed lay out of the decontamination area and scale unit.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- Removed approximately 500 LF of existing fence along the Home Depot property area and installed 500 LF of temporary fencing

ADDITIONAL SITE ACTIVITIES

- SES - Met with Verizon to discuss phone, fax and internet service to the temporary office trailer complex.
- SES - Met with Giannos Bros. Electric to discuss an alternative location for the main electrical drop that would be located closer to the temporary WTP location. It was confirmed that power will be ran overhead instead of underground due to environmental concerns with the trenching producing hazardous material and safety concerns with the trench left open for an undetermined period of time for DCA electrical inspection.
- SES - Met with Consolidated Fence Co. to discuss logistics on the temporary fencing installation and removal operations.
- SES & Mactec to discussed liner installation

MAJOR EQUIPMENT

- Demobilized – SES – CAT ITG38 Front Wheel Loader

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | CAT IT38G Front Wheel Loader | 8/11/2010 | 8/17/2010 |

GENERAL COMMENTS/ISSUES

- PSE&G did not do the excavation to abandon the 4" gas line on West Side Ave. as planned; the crew was diverted to a job in Bayonne. They are scheduled to be out on Wednesday, August 18th to do the cut-off.
- Dana Tipton, the SES SHSO arrived on site today and assumed his duties/responsibilities.
- Drum of unknown content in Modutank area awaiting NJCU removal.

VISITORS ONSITE

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

August 18, 2010

Wednesday

WEATHER

| Date | Weather | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|----------|------------------|------------------|----------------|
| 8/18/2010 | Overcast | 72 - 86 | 4 - 13 | E-NE |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 8/16/2010 | MACTEC | CM | 4 | 32 | | | | |
| 8/16/2010 | Emilcott | Air Monitoring | 2 | 16 | | | | |
| 8/16/2010 | SES | Excavation/Backfill | 4 | 32 | | | 5 | 40 |
| 8/16/2010 | Consolidated Fe. | Fencing | | | | | 2 | 16 |
| 8/16/2010 | Giannos Elec. | Electrical Sub. | | | | | 1 | 8 |
| 8/16/2010 | | Totals | 10 | 80 | | | 8 | 64 |

TRAFFIC CONTROL

| Date | Work being performed | Personnel | Total Hrs |
|------|----------------------|-----------|-----------|
| | | | |

HEALTH & SAFETY

Toolbox Meeting Topic: Site specific PPE, potential hazards with planned days activities

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- None

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Wastewater Treatment Plant Comments/Issues

- None

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | | 8/11/2010 | 8/18/2010 | Nacerima | | Scrap | | |
| 30cy | 201 | 8/18/2010 | | Nacerima | | Scrap | | |
| 30 cy | | 8/11/2010 | 8/17/2010 | WM | | Debris, trash, wood | | |
| 30 cy | 4635 | 8/17/2010 | | WM | | Debris, trash, wood | | |

MATERIAL RECEIVING

Backfill

| No. Trucks | Transporter | Origination | Material | Net Tons | Average Tons/Truck | Total Tons to Date * |
|------------|-------------|-------------|----------|----------|--------------------|----------------------|
| | | | | | | |

General Use Material

| Date | Qty | Units | Description | Origination | Use |
|---------|--------|-------|-----------------|------------------|---------------|
| 8/18/10 | 264.08 | tons | DGA - certified | Weldon Materials | WWTP base |
| 8/18/10 | 376 | pcs | Hay Bales | Etch Farm | SESC measures |
| 8/18/10 | 1000 | pcs | #5 Rebar | Triboro Hardware | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR

Excavation/Backfill Activities/Comments/Issues

- Continued mobilization and site preparation operations at the site.
- Continued installation of the NJDOT traffic barriers along the Home Depot Property line.
- Initiated set up of the temporary WTP pad area. Placed certified clean DGA material from Weldon materials as a leveling surface.
- Consolidated fence Co. - temporary fencing installation around the office trailer complex.
- Unloaded erosion and sediment controls.
- Set wooden post for temporary electrical panel to power office trailer complex.

ADDITIONAL SITE ACTIVITIES

- SES performed site visit to Armored, Inc's processing facility to view and sample the $\frac{3}{4}$ certified clean DGA Mole rock.
- Tilcon onsite to discuss asphalt curbing installation and scale leveling pad.

MAJOR EQUIPMENT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | CAT IT38G Front Wheel Loader | 8/11/2010 | 8/17/2010 |

GENERAL COMMENTS/ISSUES

- PSE&G did not do the excavation to abandon the 4" gas line on West Side Ave. as planned; the crew was diverted to a job in Bayonne. They are scheduled to be out on Thursday, August 18th to do the cut-off.
- Drum of unknown content in Modutank area awaiting NJCU removal.

VISITORS ONSITE

- Business Agent – Laborer's Union
- Tilcon (SES Subcontractor)

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

August 19, 2010

Thursday

WEATHER

| Date | Weather | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|----------|------------------|------------------|----------------|
| 8/19/2010 | Overcast | 68 - 91 | 2 - 9 | W - SW |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 8/19/2010 | MACTEC | CM | 4 | 32 | | | | |
| 8/19/2010 | Emilcott | Air Monitoring | 2 | 14 | | | | |
| 8/19/2010 | SES | Excavation/Backfill | 4 | 40 | | | 5 | 40 |
| 8/19/2010 | Consolidated | Fencing | | | | | 2 | 16 |
| 8/19/2010 | Giannos Elec. | Electrical Sub. | 1 | 2 | | | | |
| 8/19/2010 | | Totals | 11 | 88 | | | 7 | 56 |

TRAFFIC CONTROL

| Date | Work being performed | Personnel | Total Hrs |
|------|----------------------|-----------|-----------|
| | | | |

HEALTH & SAFETY

Toolbox Meeting Topic: Hazards with planned activities (placing stone, setting barriers)

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- Perimeter air monitoring began today

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues

- None

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 201 | 8/18/2010 | | Nacerima | | Scrap | | |
| 30 cy | 4635 | 8/17/2010 | | WM | | Debris, trash, wood | | |

MATERIAL RECEIVING

Backfill

| No. Trucks | Transporter | Origination | Material | Net Tons | Average Tons/Truck | Total Tons to Date * |
|------------|-------------|-------------|----------|----------|--------------------|----------------------|
| | | | | | | |

General Use Material

| Date | Qty | Units | Description | Origination | Use |
|-----------|--------|-------|---------------------------|------------------|--------------------------|
| 8/19/2010 | 812.05 | tons | DGA - certified | Weldon Materials | WWTP leveling pad |
| 8/19/2010 | 25 | rolls | 8oz. non-woven geotextile | IWT Cargo | WWTP and stockpile areas |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR
Excavation/Backfill Activities/Comments/Issues

- Continued mobilization and site preparation operations at the site.
- Continued installation of the NJDOT traffic barriers along the Home Depot Property line. Placed certified clean DGA material as leveling course to assist in installation.
- Continued set up of the temporary WWTP pad area and modutank staging area.
 - Placed certified clean DGA material from Weldon materials as a leveling surface to prepare area for geotextile and liner.
- Consolidated fence Co. - temporary fencing installation around the office trailer complex and Northeastern portion of the site.
- Unloaded 8 oz. non-woven Geotextile fabric for the temporary WWTP containment area and soil containment areas.
- Met with Giannos Bros. Electric to discuss the temporary utilities installation at the office trailer complex.

ADDITIONAL SITE ACTIVITIES

- None

MAJOR EQUIPMENT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | CAT IT38G Front Wheel Loader | 8/11/2010 | 8/17/2010 |

GENERAL COMMENTS/ISSUES

- Drum of unknown content near modutank area
 - When MACTEC/Sevenson mobilized to SA-5, there was a black 55 gallon drum located on SA-5 in the area where the ModuTank and the water treatment plant are to be assembled.

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT**

- The drum was identified as belonging to NJCU. The stenciled markings have been painted over, and the actual contents are unknown.
- NJCU was asked to remove the drum during the site walk on 7/27/10
- On 08/19/10, NJCU was reminded to remove the drum because SES was spreading DGA in the area prior to assembling the ModuTank. Workers from NJCU arrived on site at approx. 14:30 with a small forklift to remove the drum.
- When the workers lifted the pallet/drum and started to move it, it was observed that there was a pinhole in the drum approx. 2" from the bottom. The pinhole was bubbling slightly and a small amount of liquid was seeping out.
- The workers stopped their attempts to move the drum, placed the pallet/drum on the ground outside of the DGA area and contacted their supervisors. Matt Nelson of NJCU and two other supervisors arrived on site at approx. 15:30 to assess the situation. Stu Bills (MACTEC) and Paul Gallo (SES) offered to aid NJCU in their removal efforts. An overpack drum was provided from SA-7 for their use.
- NJCU determined that the removal of the drum was beyond their abilities and contacted Clean Harbors for the removal/disposal of the drum. Clean Harbors is scheduled to remove the drum on Friday, August 20th.
- Cones, caution tape and an absorbent sausage were placed around the drum before personnel left the site for the evening.

VISITORS ONSITE

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

August 20, 2010

Friday

WEATHER

| Date | Weather | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|------------------|------------------|----------------|
| 8/20/2010 | Clear | 73 - 91 | 2 - 8 | NW - N |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|--------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 8/20/2010 | MACTEC | CM | 4 | 32 | | | | |
| 8/20/2010 | Emilcott | Air Monitoring | 2 | 14 | | | | |
| 8/20/2010 | SES | Excavation/Backfill | 4 | 40 | | | 5 | 40 |
| 8/20/2010 | Consolidated | Fencing | | | | | 2 | 16 |
| 8/20/2010 | | Totals | 10 | 86 | | | 7 | 56 |

TRAFFIC CONTROL

| Date | Work being performed | Personnel | Total Hrs |
|------|----------------------|-----------|-----------|
| | None | | |

HEALTH & SAFETY

Toolbox Meeting Topic: Hazards with planned activities (hoisting, working around trucks)

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues

- None

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 201 | 8/18/2010 | | Nacerima | | Scrap | | |
| 30 cy | 4635 | 8/17/2010 | | WM | | Debris, trash, wood | | |

MATERIAL RECEIVING

Backfill

| No. Trucks | Transporter | Origination | Material | Net Tons | Average Tons/Truck | Total Tons to Date * |
|------------|-------------|-------------|----------|----------|--------------------|----------------------|
| | | | | | | |

General Use Material

| Date | Qty | Units | Description | Origination | Use |
|-----------|--------|-------|---------------------------|------------------|--------------------------|
| 8/20/2010 | 158.33 | tons | DGA – certified | Weldon Materials | WWTP leveling pad |
| 8/19/2010 | 25 | rolls | 8oz. non-woven geotextile | IWT Cargo | WWTP and stockpile areas |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR
Excavation/Backfill Activities/Comments/Issues

- Continued mobilization and site preparation operations at the site.
- Continued installation of the NJDOT traffic barriers along the Home Depot Property line. Placed certified clean DGA material as leveling course to assist in installation.
- Continued set up of the temporary WWTP pad area and modutank staging area. Placed certified clean DGA material from Weldon materials as a leveling surface to prepare area for geotextile and liner.
- Consolidated fence Co. continued temporary fencing (8-FT high chain link) installation around the office trailer complex and Northeastern portion of the site.
- 35' Portable truck scale unloaded to assist with the future offsite disposal operations.

ADDITIONAL SITE ACTIVITIES

- SES, Giannos Bros. Electric, and PSEG met to discuss the temporary electrical installation for the site.
- SES & Roman Asphalt met to discuss the diversion curb and scale pad asphalt installation.

MAJOR EQUIPMENT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | CAT IT38G Front Wheel Loader | 8/11/2010 | 8/17/2010 |

GENERAL COMMENTS/ISSUES

- PSE&G gas line off West Side Ave. – Awaiting rescheduled date for them to determine if the line is abandoned or decommission the line.
- Drum of unknown content removed near modutank area by NJCU

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT**

- At approx. 0800 Friday, 8/20, Clean Harbors arrived on site to assess and contain the leaking NJCU drum on SA-5. The team of two was lead by Gregg Miers.
- Their assessment was that the drum had a poly liner, the bungs, lid and bottom were intact and the pH of the contents was 0 to 1 (strong acid). The stenciled writing on the side that had been painted over was partly illegible, but likely either hydrochloric or hydrofluoric acid.
- In Level B PPE, the team taped over the pinhole leak, laid the drum on its side and placed it in an overpack drum. The overpack was then righted and the surrounding absorbent sausages were picked up and placed in it. The team swept up and shoveled the area where the drum had been staged that material was placed in the drum and the drum was closed. Clean Harbors then placed the overpack drum on a fresh pallet supplied by NJCU.
- Darryl DeMott of the Public Safety Department of NJCU arrived on the site during the operation and directed his personnel to remove the drum from SA-5. A small forklift was brought in by the school and the drum was taken off site.

VISITORS ONSITE

- NJCU / Clean Harbor – Drum removal

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

August 23, 2010

Monday

WEATHER

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 8/21/2010 | Rain | 1.05 | 65 - 70 | 2 - 9 | E - NE |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|--------------|----------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 8/21/2010 | MACTEC | CM | 4 | 36 | | | | |
| 8/21/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 8/21/2010 | SES | Excavation/Backfill | 4 | 40 | | | 5 | 40 |
| 8/21/2010 | Consolidated | Fencing | | | | | 2 | 16 |
| 8/21/2010 | Vibratech | Vibration Monitoring | 1 | 2 | | | | |
| 8/21/2010 | | Totals | 10 | 88 | | | 7 | 56 |

TRAFFIC CONTROL

| Date | Work being performed | Personnel | Total Hrs |
|------|----------------------|-----------|-----------|
| | None | | |

HEALTH & SAFETY

Toolbox Meeting Topic: Hazards with days planned activities

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- Driver line of sight when exiting support area hazard mitigated– consolidated fence removed old-roll off gate previously obstructing view when exiting onto carbon place.

Perimeter Air Monitoring

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues

- None

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 201 | 8/18/2010 | | Nacerima | | Scrap | | |
| 30 cy | 4635 | 8/17/2010 | | WM | | Debris, trash, wood | | |

MATERIAL RECEIVING

Backfill

| No. Trucks | Transporter | Origination | Material | Net Tons | Average Tons/Truck | Total Tons to Date * |
|------------|-------------|-------------|----------|----------|--------------------|----------------------|
| | | | | | | |

General Use Material

| Date | Qty | Units | Description | Origination | Use |
|-----------|-----|-------|-----------------|------------------|-------------------|
| 8/23/2010 | 647 | tons | DGA – certified | Weldon Materials | WWTP leveling pad |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR
Excavation/Backfill Activities/Comments/Issues

- Continued mobilization and site preparation operations at the site.
- Completed installation of the leveling course material to assist in the construction of the temporary WTP pad area and modutank staging area. Placed certified clean DGA material from Weldon materials as a leveling surface to prepare area for geotextile and liner.
- Consolidated fence Co. continued with the temporary fencing (8-FT high chain link) installation around the office trailer complex and Northeastern portion of the site.
- Initiated concrete demolition along upper level of future haul road to be installed through site.
- Initiated installation of the decontamination pad along the Northwestern portion of the site. When the work was completed, area was secured with orange plastic barriers and caution tape around the excavation.
- Removed approx. 18-inches of material in preparation to place 40-mil HDPE liner material.

ADDITIONAL SITE ACTIVITIES

- SES met with Paramount Exterminating onsite to discuss the requested Rodent Control Plan for the SA5 site.
- SES met with Vibratex to discuss the vibration, seismograph and crack monitoring procedures during the sheet pile installation operations.

MAJOR EQUIPMENT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | CAT IT38G Front Wheel Loader | 8/11/2010 | 8/17/2010 |

GENERAL COMMENTS/ISSUES

- George P. contacted PSE&G regarding the disconnection/abandonment of the stubbed up 4" gas line. A message was left and no reply was received.

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT**

- Severson received conditional approval to initiate the alternative work shift request consisting of a (4) four day- ten (10) hour work week schedule Mon – Thurs as long as stipulations are followed.
- Severson requested that any soil boring information in the vicinity of the excavation support system be forwarded as soon as possible in order to assist Vibratex in establishing a baseline particle velocity threshold for during the sheet pile installation.
- Severson requested clarification on the materials specified to be utilized in and around stockpile staging and containment pads.
- Awaiting NJCU decision regarding reuse by Honeywell of stockpile of masonry debris & concrete pads to be demolished
- Awaiting NJCU / PSE&G termination of electrical service to 9 light poles in work zone.

VISITORS ONSITE

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

August 27, 2010

Friday

WEATHER

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 8/27/2010 | Clear | 0.00 | 62 - 79 | 1 - 12 | W - NW |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|--------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 8/27/2010 | MACTEC | CM | 4 | 40 | | | | |
| 8/27/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 8/27/2010 | SES | Excavation/Backfill | 4 | 30 | | | 5 | 46 |
| 8/27/2010 | Consolidated | Fencing | | | | | 2 | 16 |
| 8/27/2010 | | Totals | 9 | 80 | | | 7 | 62 |

TRAFFIC CONTROL

| Date | | Work being performed | Personnel | Total Hrs |
|------|------|----------------------|-----------|-----------|
| | None | | | |

HEALTH & SAFETY

Toolbox Meeting Topic: Potential hazards with days planned activities

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- MD-3 remained 25 feet north due to fence installation work.
- MD-1 moved 25 feet south due to fence installation work

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Wastewater Treatment Plant Comments/Issues

- None

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 201 | 8/11/2010 | | Nacerima | | Scrap | | |
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |

MATERIAL RECEIVING

Backfill

| No. Trucks | Transporter | Origination | Material | Net Tons | Average Tons/Truck | Total Tons to Date * |
|------------|-------------|-------------|----------|----------|--------------------|----------------------|
| | | | | | | |

General Use Material

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
| | | | | | |

EXCAVATION/BACKFILL CONTRACTOR

Excavation/Backfill Activities/Comments/Issues

- Continued Mobilization and site preparation operations at the site
- Continued work on Hazardous Material Containment Area by installing 6-mil poly liner and non woven geotextile.
- Completed placement of bin blocks around the perimeter of the Hazardous Material Containment Area.
- Initiated work on the Non-Hazardous Material Containment Area. Placed bin blocks around the perimeter of the pad.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- Completed decontamination pad, liner, stone placement and Sump (Sevenson used Honeywell's plastic splash guards for barriers)
- Relocated Honeywell's modutank panels from SA-7 warehouse to the jobsite
- Completed 6' high fence panel installation on barrier along Home Depot side
- Sealed asphalt curbing
- Connected phone and fax lines from the side panel box to the inside of the trailers

ADDITIONAL SITE ACTIVITIES

- Verizon was onsite to connect phone and fax lines from the pole on Carbon Place to the side panel box mounted on the Break Trailer.

MAJOR EQUIPMENT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | CAT IT38G Front Wheel Loader | 8/11/2010 | 8/17/2010 |

GENERAL COMMENTS/ISSUES

- George P. contacted PSE&G regarding the disconnection/abandonment of the stubbed up 4" gas line. Awaiting response from PSE&G.
- Awaiting NJCU decision regarding reuse by Honeywell of stockpile of masonry debris & concrete pads to be demolished.
- Awaiting NJCU / PSE&G termination of electrical service to 9 light poles in work zone.
- SES unclear where the S.S. lines go on Carbon Place. Awaiting Sevenson surveyor layout of proposed sheeting line for further review of potential interference with sheeting operations.
- SES brought to attention that catch basins along Route 440N on the interior of the existing fence line was giving off the smell of sewage. Daily monitoring will commence to confirm.

VISITORS ONSITE

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

August 30, 2010

Monday

WEATHER

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 8/30/2010 | Clear | 0.00 | 75 - 93 | 1 - 12 | N-NW |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 8/30/2010 | MACTEC | CM | 4 | 40 | | | | |
| 8/30/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 8/30/2010 | SES | Excavation/Backfill | 4 | 40 | | | 9 | 90 |
| 8/30/2010 | Consolidated | Fencing | | | | | 2 | 16 |
| 8/30/2010 | Giannos Elec. | Electrical Sub. | | | | | 2 | 12 |
| 8/30/2010 | | Totals | 9 | 90 | | | 13 | 118 |

TRAFFIC CONTROL

| Date | | Work being performed | Personnel | Total Hrs |
|------|------|----------------------|-----------|-----------|
| | None | | | |

HEALTH & SAFETY

Toolbox Meeting Topic: Potential hazards with days planned activities

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- MD-3 remained 25 feet north due to fence installation work.
- MD-1 moved 25 feet south due to fence installation work

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Wastewater Treatment Plant Comments/Issues

- None

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 201 | 8/11/2010 | | Nacerima | | Scrap | | |
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |

MATERIAL RECEIVING

Backfill

| No. Trucks | Transporter | Origination | Material | Net Tons | Average Tons/Truck | Total Tons to Date * |
|------------|-------------|-------------|----------|----------|--------------------|----------------------|
| | | | | | | |

General Use Material

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
| | | | | | |

EXCAVATION/BACKFILL CONTRACTOR

Excavation/Backfill Activities/Comments/Issues

- Continued Mobilization and site preparation operations at the site
- Completed work on Hazardous Material Containment Area by placing 6-mil poly liner and non woven geotextile
- Installed textured 40 mil HDPE liner in wastewater treatment pad
- Removed fence and trees in the Southeast corner of the site

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- Continued work on the Non-Hazardous Material Containment Area. Placed bin blocks around the perimeter of the pad
- Removed fields man gate @ Southeast corner and stored it at the Honeywell site (SA-7)
- Giannos Bros. Electric finished connection of phone and fax lines from the side panel box to the inside of the trailers
- Consolidated Fence continued installation of 6' ht. fence panels on barriers along Rt. 440N

ADDITIONAL SITE ACTIVITIES

- Met with consolidated fence to discuss performance of wind screen / privacy barrier on existing fencing.
- PSE&G was on site this morning to disconnect electrical service from the NJCU Rt. 440 sign and from the guard shack at the northwest SA5 gate. The power line was removed from the sign. The electrical supply line to the guard shack, which is underground, does not appear to have been disconnected/abandoned.

MAJOR EQUIPMENT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | CAT IT38G Front Wheel Loader | 8/11/2010 | 8/17/2010 |

GENERAL COMMENTS/ISSUES

- George P. spoke with PSE&G regarding the 4" gas line abandonment. A representative of PSE&G informed SA5 construction management that a work crew would excavate on West Side Avenue on either Tuesday, 8/31, or Wednesday, 9/1, of this week. They will either confirm that the line has been abandoned/disconnected or they will perform the disconnection at that time. PSE&G is aware that SES will have heavy equipment operating in the area of the stub-up starting next week.
- Awaiting NJCU decision regarding reuse by Honeywell of stockpile of masonry debris & concrete pads to be demolished.
- Awaiting NJCU / PSE&G termination of electrical service to 9 light poles in work zone.
- SES unclear where the S.S. lines go on Carbon Place. Awaiting Severson surveyor layout of proposed sheeting line for further review of potential interference with sheeting operations.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- SES brought to attention that catch basins along Route 440N on the interior of the existing fence line was giving off the smell of sewage. A noticeable amount of flow and sewage smell was observed today at the northern most catch basin. Daily monitoring to continue.

VISITORS ONSITE

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

August 31, 2010

Tuesday

WEATHER

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 8/31/2010 | Clear | 0.00 | 78 - 96 | 1 - 4 | N - NE |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|--------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 8/31/2010 | MACTEC | CM | 4 | 40 | | | | |
| 8/31/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 8/31/2010 | SES | Excavation/Backfill | 4 | 40 | | | 8 | 80 |
| 8/31/2010 | Consolidated | Fencing | | | | | 2 | 16 |
| 8/31/2010 | Kennon | Surveying | | | | | 2 | 16 |
| 8/31/2010 | | Totals | 9 | 90 | | | 12 | 112 |

TRAFFIC CONTROL

| Date | | Work being performed | Personnel | Total Hrs |
|------|------|----------------------|-----------|-----------|
| | None | | | |

HEALTH & SAFETY

Toolbox Meeting Topic: Potential hazards with days planned activities

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- MD-3 remained 25 feet north due to fence installation work.
- Maintenance performed on generator today. Overnight battery charging issues improved, not yet fully resolved.
- No air sampling performed. No intrusive activities taking place.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

*Discharge not to exceed a rate of 109 GPM and a maximum of 52,320 GPD

**Max chromium discharge – 11lbs/day regardless of volume

Wastewater Treatment Plant Comments/Issues

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 201 | 8/11/2010 | | Nacerima | | Scrap | | |
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |

MATERIAL RECEIVING

- Delivered Modutank panels from Severson stock yard

Backfill

| No. Trucks | Transporter | Origination | Material | Net Tons | Average Tons/Truck | Total Tons to Date * |
|------------|-------------|-------------|----------|----------|--------------------|----------------------|
| | | | | | | |

General Use Material

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|-------------|----------------|--------------|
| 8/31/2010 | 4 | skids | Sandbags | Triboro Supply | Multiple use |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR

Excavation/Backfill Activities/Comments/Issues

- Continued Mobilization and site preparation operations at the site
- Installed textured 40 mil HDPE liner in WTP area
- Removed fence and trees in the Southeast corner of the site
- Completed work on the Non-Hazardous Material Containment Area. Installed geotextile fabric, poly liner and sand bags
- Completed install of 6' ht. fence panels on barriers along Rt. 440 side and Carbon Place.
- Began wind/privacy screen install along the Home Depot side
- Performed layout of Sanitary Sewer, Sheet Piling line, Modutank (Checked elevations at corners), and the Construction Entrance

ADDITIONAL SITE ACTIVITIES

- PSE&G crew on site in the afternoon to remove light fixtures and disconnect lines from utility poles on SA5. The electrical feed was disconnected and fixtures were removed from poles 15828, 15829, 15830 and 23675.
- Verizon onsite to trouble shoot a couple of phone lines. 5 out of the 6 lines are functional for phone/fax
- Sevenson obtained the Jersey City Fire Prevention Permit for Cutting and welding activities onsite.
- Sevenson obtained street / sidewalk opening permit applications for the sanitary sewer replacement running to Carbon Place.

MAJOR EQUIPMENT

- Mobilized mobile ram from Woodridge, NJ jobsite
- Mobilized site dump truck and water truck
- Delivered Biodiesel from Taylor Oil (389 Gal of dyed and 50 gal clear)

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES**

- George P. spoke with PSE&G regarding the 4" gas line abandonment. A representative of PSE&G informed SA5 construction management that a work crew would excavate on West Side Avenue on tomorrow Wednesday, 9/1, of this week. They will either confirm that the line has been abandoned/disconnected or they will perform the disconnection at that time. PSE&G is aware that SES will have heavy equipment operating in the area of the stub-up starting next week.
- Awaiting NJCU decision regarding reuse by Honeywell of stockpile of masonry debris & concrete pads to be demolished.
- Awaiting NJCU / PSE&G termination of electrical service to 9 light poles in work zone.
- SES unclear where the existing S.S. lines are located on Carbon Place. Awaiting Severson surveyor layout of proposed sheeting line and walk through with Geoff for further review of potential interference with sheeting operations.
- SES brought to attention that catch basins along Route 440N on the interior of the existing fence line was giving off the smell of sewage. Flow and sewage smell observed Tuesday 8/31. Daily monitoring to continue.

VISITORS ONSITE

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

September 1, 2010

Wednesday

WEATHER

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|---------------------|------------------|------------------|----------------|
| 9/1/2010 | Clear | 0.00 | 77 - 89 | 1 - 10 | N - NE |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|----------|--------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 9/1/2010 | MACTEC | CM | 4 | 40 | | | | |
| 9/1/2010 | Emilcott | Air Monitoring | 2 | 20 | | | | |
| 9/1/2010 | SES | Excavation/Backfill | 4 | 40 | | | 9 | 90 |
| 9/1/2010 | Consolidated | Fencing | | | | | 2 | 16 |
| 9/1/2010 | Kennon | Surveying | | | | | 2 | 16 |
| 9/1/2010 | Chenango | HDPE welding | | | | | 1 | 8 |
| 9/1/2010 | | Totals | 10 | 100 | | | 14 | 130 |

TRAFFIC CONTROL

| Date | Work being performed | Personnel | Total Hrs |
|------|----------------------|-----------|-----------|
| None | | | |

HEALTH & SAFETY

Toolbox Meeting Topic: Potential hazards with days planned activities

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- Dana Tipton (SES), George P., Dave A., and Jonathan V. attended Mactec Chromium Standard Training

Perimeter Air Monitoring

- MD-3 remained 25 feet north due to fence installation work.
- All readings across the site were elevated prior to the start of work.
- 0830: Monitor one displayed high readings above 100, this was due to a NJCU maintenance truck dumping trash into a dumpster adjacent to the unit.
- 0840: All monitors were above 100. No activity around monitors; off site impact.
- 1609 and 1646: Levels were momentarily above 60 due to concrete crushing operations. Water applied for dust suppression.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 201 | 8/11/2010 | 9/1/2010 | Nacerima | | Scrap | | |
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING

- Delivered Modutank panels from Severson stock yard

Backfill

| No. Trucks | Transporter | Origination | Material | Net Tons | Average Tons/Truck | Total Tons to Date * |
|------------|-------------|-------------|----------|----------|--------------------|----------------------|
| | | | | | | |

General Use Material

| Date | Quantity | Units | Description | Origination | Use |
|----------|----------|-------|-------------|-------------|---------------|
| 9/1/2010 | 300 | pcs | Hay Bales | Etsch Farms | SESC measures |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR

Excavation/Backfill Activities/Comments/Issues

- Continued Mobilization and site preparation operations at the site
- Continued demolition of the aboveground concrete foundation located in the center of the site.
- Completed the installation of erosion and sediment controls along RT. 440. Placed silt fence and sand bags along temporary barrier fencing.
- Continued installation of privacy screening.
- Completed welding on 40 Mil HDPE liner in the waste water treatment pad area.

ADDITIONAL SITE ACTIVITIES

- Sevenson met with Enviroprobe Inc. to discuss geophysical survey options along the proposed sheet pile line area.

MAJOR EQUIPMENT

- Delivered ABI Hammer, Auger, & Counterweights

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |

GENERAL COMMENTS/ISSUES

- PSE&G was onsite and verified that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G will issue formal letter to confirm.
- Agreement with NJCU to reuse concrete/masonry debris onsite. Narrative to be issued with stipulations.
- NJCU / PSE&G termination of electrical service to 9 light poles in work zone complete, poles to be removed tomorrow.
- SES unclear where the existing S.S. lines are located on Carbon Place. Awaiting Sevenson surveyor layout of proposed sheeting line and walk through with Geoff for further review of potential interference with sheeting operations.
- SES brought to attention that catch basins along Route 440N on the interior of the existing fence line was giving off the smell of sewage. Daily monitoring to continue.

VISITORS ONSITE

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

September 7, 2010

Tuesday

WEATHER

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|---------------------|------------------|------------------|----------------|
| 9/7/2010 | Clear | 0.00 | 68 - 89 | 4 - 12 | SW |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|----------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 9/7/2010 | MACTEC | CM | 4 | 40 | | | | |
| 9/7/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 9/7/2010 | SES | Excavation/Backfill | 4 | 40 | | | 10 | 100 |
| 9/7/2010 | Consolidated | Fencing | | | | | 2 | 16 |
| 9/7/2010 | Giannos Elec. | Electrical Sub. | | | | | 2 | 8 |
| 9/7/2010 | | Totals | 9 | 90 | | | 14 | 124 |

TRAFFIC CONTROL

| Date | | Work being performed | Personnel | Total Hrs |
|------|------|----------------------|-----------|-----------|
| | None | | | |

HEALTH & SAFETY

Toolbox Meeting Topic: Potential hazards with days planned activities

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- Dana Tipton (SES) gave OSHA Hexavalent Chromium Standard 29 CFR 1926.1126 & 29 CFR 1910.1026 training to SES employees. All personnel are required to attend this training prior to entering any Exclusion Zone on site.

Perimeter Air Monitoring

- No excursions above the action level of 339 µg/m³.
- Monitor 4 was relocated 15 feet south due to adjacent cutting operations.
- 1500-1700: Loader activities adjacent to monitors 3 and 4, which caused an elevation in readings, but quickly lowered below 60 µg/m³.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 201 | 8/11/2010 | 9/1/2010 | Nacerima | | Scrap | | |
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING

Backfill

| No. Trucks | Transporter | Origination | Material | Net Tons | Average Tons/Truck | Total Tons to Date * |
|------------|-------------|-------------|----------|----------|--------------------|----------------------|
| | | | | | | |

General Use Material

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
| | | | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR

Excavation/Backfill Activities/Comments/Issues

- Continued Mobilization and site preparation operations at the site
- Completed removal of existing fence along Rt. 440
- Re-installed entrance signs on new fence along Rt. 440
- Installed temporary fence at former construction entrance along Rt. 440
- Offloaded NJDOT barriers (2 for main entrance and 2 for DeNeef application)
- Set NJDOT barriers for main construction entrance.
- Installed 30' gate at the main construction entrance
- Offloaded 9 steel plates (8' x 12') for BMUA Crossing
- Initiated preparation of exclusion zones, traffic routes, and CRZ for pre-trenching operations
- Setup wiring for the scale unit so that it can be calibrated by Atlantic Scale

ADDITIONAL SITE ACTIVITIES

- None.

MAJOR EQUIPMENT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |

GENERAL COMMENTS/ISSUES

- PSE&G was onsite and verified that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- Agreement with NJCU to reuse concrete/masonry debris onsite. Narrative to be issued by NJCU with stipulations.
- SES brought to attention that catch basins along Route 440N on the interior of the existing fence line was giving off the smell of sewage. Tuesday, 9/7, flow noticed; no distinct sewage smell. Daily monitoring to continue.

VISITORS ONSITE

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

September 8, 2010

Wednesday

WEATHER

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|--------------|---------------------|------------------|------------------|----------------|
| 9/8/2010 | Clear, Windy | 0.01 | 75 - 89 | 4.4 - 21 | S-SW |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|----------|---------------|----------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 9/8/2010 | MACTEC | CM | 4 | 40 | | | | |
| 9/8/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 9/8/2010 | SES | Excavation/Backfill | 4 | 40 | | | 11 | 110 |
| 9/8/2010 | Consolidated | Fencing | | | | | 2 | 16 |
| 9/8/2010 | Giannos Elec. | Electrical Sub. | | | | | 2 | 8 |
| 9/8/2010 | Vibratech | Vibration Monitoring | | | | | 1 | 4 |
| 9/8/2010 | | Totals | 9 | 90 | | | 16 | 138 |

TRAFFIC CONTROL

| Date | | Work being performed | Personnel | Total Hrs |
|------|------|----------------------|-----------|-----------|
| | None | | | |

HEALTH & SAFETY

Toolbox Meeting Topic: Potential hazards with days planned activities

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- No excursions above the action level of 339 µg/m³.
- Switched out data ram Location # 1 due to battery problems.
- 1500 :Gusting winds caused DGA piles to produce readings over 100ug/m³ at monitor location #3. Water applied to DGA pile.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 201 | 8/11/2010 | 9/1/2010 | Nacerima | | Scrap | | |
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING

Backfill

| No. Trucks | Transporter | Origination | Material | Net Tons | Average Tons/Truck | Total Tons to Date * |
|------------|-------------|-------------|----------|----------|--------------------|----------------------|
| | | | | | | |

General Use Material

| Date | Quantity | Units | Description | Origination | Use |
|----------|----------|-------|--|-------------|-----------------------------|
| 9/8/2010 | 59 | Boxes | 708 - 20oz. Sausages DeNeef Swellseal WA | DeNeef | Sheeting joint caulk |
| 9/8/2010 | 6 | Loads | 157.73 tons DGA | Weldon | |
| 9/8/2010 | 8 | Loads | 228.91 Tons "Mole Rock" | Armored | Common borrow for pretrench |
| | | | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR

Excavation/Backfill Activities/Comments/Issues

- Continued Mobilization and site preparation operations at the site
- Initiated pre trenching to assist with the excavation support system installation at 1:00 p.m. (Approx. 140 LF completed)
- Hand excavated to locate top of Force Main Pipe for 8 settlement monitoring points. SES located 6 of the 8 points. The other 2 points are too deep to be exposed for monitoring.
- Offloaded bin blocks and welder
- Moved guard shack to main gate
- Setup exclusion zones, traffic routes, and CRZ for pre-trenching operations
- Offloaded DeNeef Swellseal material and Modutank Liner
- Continued installation of Wind/privacy screen.
- Installed 30' gate at main construction entrance.
- Set poles for electrical service to jobsite trailers and WWTP

ADDITIONAL SITE ACTIVITIES

- Vibratech was onsite to perform a walkthrough with SES/Mactec for the pre inspection and layout of vibration monitors near Raymour Flanigan/Honda Dealership. Vibratech will submit a workplan from their Engineer along with updated pricing for approval. Performed photo pre-construction survey on the interior of the Raymour and Flanigan building and interior and exterior of Honda dealership. Mike Dhunjishah (Mactec) participated in walkthrough.
- Site security 24/7 starting today.

MAJOR EQUIPMENT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |

GENERAL COMMENTS/ISSUES

- PSE&G verbally and verified that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- Agreement with NJCU to reuse concrete/masonry debris onsite. Narrative to be issued by NJCU with stipulations.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- SES brought to attention that catch basins along Route 440N on the interior of the existing fence line was giving off the smell of sewage. Tuesday, 9/7, flow noticed; distinct sewage smell noticed. Daily monitoring to continue. Geoff Shallard confirmed that the catch basin in question is part of the HD sewer connection.

VISITORS ONSITE

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

September 9, 2010

Thursday

WEATHER

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|---------------------|------------------|------------------|----------------|
| 9/9/2010 | Clear | 0.01 | 62 - 64 | 5.1 - 12 | W |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|----------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 9/9/2010 | MACTEC | CM | 4 | 40 | | | | |
| 9/9/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 9/9/2010 | SES | Excavation/Backfill | 4 | 40 | | | 11 | 110 |
| 9/9/2010 | Consolidated | Fencing | | | | | 2 | 16 |
| 9/9/2010 | Giannos Elec. | Electrical Sub. | | | | | 2 | 8 |
| 9/9/2010 | | Totals | 9 | 90 | | | 15 | 134 |

TRAFFIC CONTROL

| Date | | Work being performed | Personnel | Total Hrs |
|------|------|----------------------|-----------|-----------|
| | None | | | |

HEALTH & SAFETY

Toolbox Meeting Topic: Potential hazards with days planned activities

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- Time: 1214 - Monitor 3 located within close proximity and downwind of DGA pile during pre-trenching activities triggered TWA(15) excursion of 383 µg/m³. Actions Taken – Results returned to normal ranges within 15 minutes.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING

Backfill

| No. Trucks | Transporter | Origination | Material | Net Tons | Average Tons/Truck | Total Tons to Date * |
|------------|-------------|-------------|----------|----------|--------------------|----------------------|
| | | | | | | |

General Use Material

| Date | Quantity | Units | Description | Origination | Use |
|----------|----------|-------|---------------|--------------|---------------------|
| 9/9/2010 | 383.72 | Tons | Common Borrow | Armored Inc. | Pre-trench backfill |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR

Excavation/Backfill Activities/Comments/Issues

- Continued mobilization and site preparation operations at the site
- Continued pre trenching to assist with the soil retention system installation (Approx. 350 LF completed)
- Severson backfilled pre-trench excavations with approved common borrow from Armored Inc.
- Prepared concrete encasement on Force Main for attachment of Settlement Monitoring Points (SMP's)
- Continued installation of electrical service to WWTP

ADDITIONAL SITE ACTIVITIES

- Calibrated on-site scale unit

MAJOR EQUIPMENT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |

GENERAL COMMENTS/ISSUES

- Severson performed layout of the Modutank on the temporary WWTP Pad area. The East side will need to be leveled prior to installation.
- A number of foundations were encountered during pre-trenching activities.
- Severson to develop site security procedures at main construction entrance on Rt.440 and gate in support zone leading to the work area.
- PSE&G verbally verified that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- Agreement with NJCU to reuse concrete/masonry debris onsite. Letter to be issued by NJCU with stipulations.

VISITORS ONSITE

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

September 13, 2010

Monday

WEATHER

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|-----------------------|---------------------|------------------|------------------|----------------|
| 9/13/2010 | Partly cloudy / Clear | 0.02 | 60 - 77 | 0.1 - 7.5 | NW |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 9/13/2010 | MACTEC | CM | 4 | 40 | | | | |
| 9/13/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 9/13/2010 | SES | Excavation/Backfill | 4 | 43 | | | 15 | 150 |
| 9/13/2010 | Veneiro Trucking | Trucking Subcontractor | | | | | 1 | 10 |
| 9/13/2010 | | Totals | 9 | 93 | | | 16 | 160 |

TRAFFIC CONTROL

| Date | | Work being performed | Personnel | Total Hrs |
|------|------|----------------------|-----------|-----------|
| | None | | | |

HEALTH & SAFETY

Toolbox Meeting Topic: Potential hazards with days planned activities

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- No excursions above the action level of 339 µg/m3.

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Wastewater Treatment Plant Comments/Issues

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING

Backfill

| No. Trucks | Transporter | Origination | Material | Net Tons | Average Tons/Truck | Total Tons to Date * |
|------------|-------------|-------------|----------|----------|--------------------|----------------------|
| | | | | | | |

General Use Material

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|--------------------|------------------|---------------|
| 9/13/2010 | 397.66 | TONS | Mole Rock | Armored Inc. | Common borrow |
| 9/13/2010 | 17 | Rolls | 6 mil polysheeting | Triboro Hardware | |

Sheeting

| Date | Quantity | Units | Type | Length (ft) |
|-----------|----------|--------|-------------------|-------------|
| 9/13/2010 | 20 | Sheets | AZ-19-700 doubles | 40 |
| 9/13/2010 | 9 | Sheets | AZ-19-700 doubles | 30 |
| 9/13/2010 | 2 | Sheets | AZ-19-700 doubles | 48 |

EXCAVATION/BACKFILL CONTRACTOR

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Excavation/Backfill Activities/Comments/Issues

- Continued Mobilization and site preparation operations at the site
- Continued pre trenching to assist with the soil retention system installation (Approx. 400 LF completed)
- Backfilled pre-trench area with common borrow from Armored Inc.
- Continued installation of stone in the Modutank area on the temporary WTP Pad area.
- Continued removal of subsurface obstructions with hoe ram attachment. Encountered multiple brick foundations at approx. 6 BGS during pre-trenching activities (South side of jobsite)
- Offloaded 3 trucks of sheeting from Skyline Steel

ADDITIONAL SITE ACTIVITIES

- Stored DeNeef inside of jobsite trailers to maintain temperature
- Veneiro trucking mobilized to perform onsite hauling activities

MAJOR EQUIPMENT

- Delivered 60' boom from United Rentals

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |

GENERAL COMMENTS/ISSUES

- Sevenson has developed site security procedures at main construction entrance on Rt.440 and gate in support zone leading to the work area.
- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- Agreement with NJCU to reuse concrete/masonry debris onsite. Letter to be issued by NJCU with stipulations.

VISITORS ONSITE

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

September 14, 2010

Tuesday

WEATHER

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 9/14/2010 | Clear | 0.02 | 60 - 77 | 0.3 - 16 | NW |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 9/14/2010 | MACTEC | CM | 4 | 40 | | | | |
| 9/14/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 9/14/2010 | SES | Excavation/Backfill | 4 | 40 | | | 16 | 160 |
| 9/13/2010 | Veneiro Trucking | Trucking Subcontractor | | | | | 1 | 10 |
| 9/14/2010 | Giannos Elec. | Electrical Sub. | | | | | 2 | 16 |
| 9/14/2010 | Kennon | Surveying | | | | | 1 | 8 |
| 9/14/2010 | | Totals | 9 | 90 | | | 20 | 194 |

TRAFFIC CONTROL

| Date | Work being performed | Personnel | Total Hrs |
|------|----------------------|-----------|-----------|
| | None | | |

HEALTH & SAFETY

Toolbox Meeting Topic: Potential hazards with days planned activities

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- No excursions above the action level of 339 µg/m3.
- 0700-1030: Elevated background readings were experienced due to high humidity. Readings at 0727 were:
 - MD1: 59.3
 - MD2: 66.2
 - MD3: 64
 - MD4: 64.5

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- 0945: Monitors 2 and 3 reported elevated readings above or at 100 µg/m³. Construction Management was notified and pictures captured. High humidity was determined as the cause for these readings.

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING

Backfill

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 9/14/2010 | Armored | Common Borrow | 430.67 |

General Use Material

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
| | | | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Sheeting

| Date | Quantity | Units | Type | Length (ft) |
|-----------|----------|--------|-------------------|-------------|
| 9/14/2010 | 8 | Sheets | AZ 19-700 doubles | 48 |
| 9/14/2010 | 4 | Sheets | AZ 19-700 singles | 48 |
| 9/14/2010 | 14 | Sheets | AZ 19-700 doubles | 50 |

EXCAVATION/BACKFILL CONTRACTOR

Excavation/Backfill Activities/Comments/Issues

- Continued Mobilization and site preparation operations at the site
- Continued pre trenching to assist with the excavation support system installation (Approx. 900 LF completed)
- Sevenson backfilled pre-trench area with Imported Fill from Armored Inc.
- Sevenson initiated erection of Modutank frame.
- Sevenson continued shaping the Haz Materials Stockpile area (The pile is covered at the end of each work day)
- Sevenson continued to remove subsurface obstructions with hoe ram attachment. Encountered multiple brick foundations at approx. 6 BGS during pre-trenching activities (South side of jobsite)
- Sevenson offloaded 3 trucks of sheet pile from Skyline Steel
- Sevenson initiated sheet pile driving activities at approximately 1:30 PM
- 6 sheets of 48ft AZ-19 700 doubles were driven to grade (27.54 LF, 1322SF)

Sheeting Production

| Date | # Sheets driven | Driven (SF) | Driven (LF) | Monthly Total (SF) | Project Total (SF) |
|-----------|-----------------|-------------|-------------|--------------------|--------------------|
| To Date | 6 | 1322 | 28 | 1322 | 1322 |
| 9/14/2010 | 6 | 1322 | 28 | | |
| | | | | | |

ADDITIONAL SITE ACTIVITIES

- MACTEC released Building 5 point file to Sevenson
- Geoff Shallard & Dave Ambrose met with Sevenson to ensure understanding of DeNeef swellseal wet application process.
- Veneiro trucking mobilized to perform onsite hauling activities

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |

GENERAL COMMENTS/ISSUES

- Home Depot sanitary sewer line has not been encountered during pre-trenching as of yet.
- Upon observing Deneef swellseal application process, Geoff Shallard gave authorization for a minimum application rate of 1 oz. per foot.
- Severson confirmed that jersey barriers shall eventually be returned to the original fence locations – no permanent fence installation.
- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- Agreement with NJCU to reuse concrete/masonry debris onsite. Letter to be issued by NJCU with stipulations.

VISITORS ONSITE

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

September 15, 2010

Wednesday

WEATHER

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 9/15/2010 | Clear | 0.02 | 59 - 73 | 3.7 - 15 | NW |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 9/15/2010 | MACTEC | CM | 4 | 40 | | | | |
| 9/15/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 9/15/2010 | SES | Excavation/Backfill | 4 | 40 | | | 16 | 160 |
| 9/15/2010 | Veneiro Trucking | Trucking Subcontractor | | | | | 1 | 10 |
| 9/15/2010 | Roman Asphalt | Asphalt Berm | | | | | | |
| 9/15/2010 | Consolidated | Fencing | | | | | | |
| 9/15/2010 | Giannos Elec. | Electrical Sub. | | | | | 2 | 16 |
| 9/15/2010 | | Totals | 9 | 90 | | | 19 | 186 |

TRAFFIC CONTROL

| Date | Work being performed | Personnel | Total Hrs |
|------|----------------------|-----------|-----------|
| | None | | |

HEALTH & SAFETY

Toolbox Meeting Topic: Potential hazards with days planned activities

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- No excursions above the action level of 339 µg/m³.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL
Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING
Backfill

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 9/15/2010 | Armored | Common Borrow | 916.41 |

General Use Material

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
| | | | | | |

Sheeting

| Date | Quantity | Units | Type | Length (ft) |
|-----------|----------|--------|-------------------|-------------|
| 9/15/2010 | 4 | Sheets | AZ 19-700 doubles | 53 |
| 9/15/2010 | 12 | Sheets | AZ 19-700 doubles | 50 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR

Excavation/Backfill Activities/Comments/Issues

- Continued Mobilization and site preparation operations at the site
- Continued pre trenching to assist with the excavation support system installation (Approx. 400 LF completed today). Approx. 1300 LF Pre-trenched to date.
- Backfilled pre-trench area with Imported Fill from Armored Inc.
- Continued erection of the Modutank frame.
- Continued shaping the Haz Materials Stockpile area (The pile is covered at the end of each work day)
- Offloaded 2 trucks of sheetpiling from Skyline Steel
- Continued the installation of steel sheetpiling in the Building 5 Area. 16 pairs of AZ-19 700 doubles were driven to grade (73.44 LF / 3637.6 SF installed today and 100.98 LF installed to date)

Sheeting Production

| Date | # Sheets driven | Driven (SF) | Driven (LF) | Monthly Total (SF) | Project Total (SF) |
|-----------|-----------------|-------------|-------------|--------------------|--------------------|
| To Date | 22 | 4960 | 101 | 4960 | 4960 |
| 9/15/2010 | 16 | 3638 | 73 | | |

ADDITIONAL SITE ACTIVITIES

- Setup electrical service to WWTP
- Veneiro trucking mobilized to perform onsite hauling activities

MAJOR EQUIPMENT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES

- Home Depot sanitary sewer line has not been encountered during pre-trenching as of yet.
- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- Agreement with NJCU to reuse concrete/masonry debris onsite. Letter to be issued by NJCU with stipulations.

VISITORS ONSITE

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

September 16, 2010

Thursday

WEATHER

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 9/16/2010 | Clear | 0.17 | 56 - 73 | 0.60 - 12 | East |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 9/16/2010 | MACTEC | CM | 4 | 40 | | | | |
| 9/16/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 9/16/2010 | SES | Excavation/Backfill | 4 | 40 | | | 16 | 160 |
| 9/16/2010 | Veneiro Trucking | Trucking Subcontractor | | | | | 1 | 10 |
| 9/16/2010 | | Totals | 9 | 90 | | | 17 | 170 |

TRAFFIC CONTROL

| Date | | Work being performed | Personnel | Total Hrs |
|-----------|--------------------|----------------------|-----------|-----------|
| 9/16/2010 | Jersey City Police | BMUA Crossing | 1 | 8 |

HEALTH & SAFETY

Toolbox Meeting Topic: Potential hazards associated with days planned activities

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- No excursions above the action level of 339 µg/m3.

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues

- None – plant not yet operational

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING

Backfill

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 9/16/2010 | Armored | Common Borrow | 188.11 |

General Use Material

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
| | | | | | |

Sheeting

| Date | Quantity | Units | Type | Length (ft) |
|-----------|----------|--------|-------------------|-------------|
| 9/16/2010 | 7 | Sheets | AZ 19-700 doubles | 53 |

EXCAVATION/BACKFILL CONTRACTOR

Excavation/Backfill Activities/Comments/Issues

- Continued Mobilization and site preparation operations at the site
- Excavated, placed stone, set wooden timber mats and set steel plates for the BMUA Crossing at the main entrance gate along Rt. 440
- Continued shaping the Haz Materials Stockpile area (The pile is covered at the end of each work day)
- Offloaded 1 truck of sheet piles from Skyline Steel
- Continued the installation of steel sheeting in the Building 5 Area. 16 pairs of AZ-19 700 doubles were driven to grade (68.89 LF/ 3,715.73 Sq. Ft. installed today and 169.87 LF/ 8,676.17 Sq. Ft.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

installed to date) Severson left one pair out to correct alignment due to problems with deep obstructions

Sheeting Production

| Date | # Sheets driven | Driven (SF) | Driven (LF) | Monthly Total (SF) | Project Total (SF) |
|-----------|-----------------|-------------|-------------|--------------------|--------------------|
| To Date | 38 | 8676 | 174 | 8676 | 8676 |
| 9/16/2010 | 16 | 3716 | 73 | | |

ADDITIONAL SITE ACTIVITIES

- Veneiro trucking mobilized to perform onsite hauling activities

MAJOR EQUIPMENT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| SEVERSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |

GENERAL COMMENTS/ISSUES

- Home Depot sanitary sewer line has not been encountered during pre-trenching as of yet.
- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- Agreement with NJCU to reuse concrete/masonry debris onsite. Letter to be issued by NJCU with stipulations.

VISITORS ONSITE

- Kim Bell Hosea (CEA)
- Kathy Monteiro (NJCU)

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

September 20, 2010

Monday

WEATHER

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 9/20/2010 | Clear | | 61-74 | 2-13 mph | NNE-NNW |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 9/20/2010 | MACTEC | CM | 4 | 40 | 1 | 10 | | |
| 9/20/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 9/20/2010 | SES | Excavation/Backfill | 3 | 30 | | | 16 | 160 |
| 9/20/2010 | Veneiro Trucking | Trucking Subcontractor | | | | | 1 | 10 |
| 9/20/2010 | Roman Asphalt | Asphalt Berm | | | | | | |
| 9/20/2010 | Consolidated | Fencing | | | | | 3 | 24 |
| 9/20/2010 | | Totals | 8 | 80 | | | 20 | 194 |

TRAFFIC CONTROL

| Date | | Work being performed | Personnel | Total Hrs |
|-----------|--------------------|----------------------|-----------|-----------|
| 9/20/2010 | Jersey City Police | BMUA Crossing | 1 | 8 |

HEALTH & SAFETY

Toolbox Meeting Topic: Potential hazards associated with days planned activities

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- No excursions above the action level of 339 µg/m3.

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Wastewater Treatment Plant Comments/Issues

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING

Backfill

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 9/20/2010 | Armored | Common borrow | 348.43 |

General Use Material

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|-------------------------|------------------|----------------|
| 9/20/2010 | 4 | Each | Manhole frames & covers | Campbell Foundry | JCMUA Sanitary |

Sheeting

| Date | Quantity | Units | Type | Length (ft) |
|-----------|----------|--------|-------------------|-------------|
| 9/20/2010 | 18 | Sheets | AZ 19-700 Doubles | 46 |

EXCAVATION/BACKFILL CONTRACTOR

Excavation/Backfill Activities/Comments/Issues

- Continued Mobilization and site preparation operations at the site
- Replaced Frame & Cover at entrance for BMUA Crossing. SES installed pipe and cap over Settlement Monitoring Point (SMP 5) at main construction entrance.
- Continued assembly of the Modutank panels in the WTP area

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- Continued shaping the Haz Materials Stockpile area (The pile is covered at the end of each work day)
- Offloaded 2 truck of sheet piling from Skyline Steel
- Continued the installation of steel sheet piling in the Building 5 Area. 16 pairs of AZ-19 700 doubles were driven to grade (73.48 LF/ 3,752.48 Sq. Ft. installed today and 248.02 LF/12,428.65 Sq. Ft. installed to date)
- Continued pre-trenching (275 LF today - 1575 LF total) along the Building 6 area. SES was directed to cease operations at the vicinity of potential Mercury contamination as per Mactec

Sheeting Production

| Date | # Sheets driven | Driven (SF) | Driven (LF) | Monthly Total (SF) | Project Total (SF) |
|-----------|-----------------|-------------|-------------|--------------------|--------------------|
| To Date | 54 | 12428 | 247 | 12428 | 12428 |
| 9/20/2010 | 16 | 3752 | 73 | | |

ADDITIONAL SITE ACTIVITIES

- Veneiro trucking mobilized to perform onsite hauling activities

MAJOR EQUIPMENT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |

GENERAL COMMENTS/ISSUES

- Home Depot sanitary sewer line has not been encountered during pre-trenching as of yet.
- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- Agreement with NJCU to reuse concrete/masonry debris onsite. Letter to be issued by NJCU with stipulations.

VISITORS ONSITE

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

September 21, 2010

Tuesday

WEATHER

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 9/21/2010 | Clear | | 55-72 | 1-12mph | NNE-NW-SSW-SE |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 9/21/2010 | MACTEC | CM | 4 | 40 | 1 | 10 | | |
| 9/21/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 9/21/2010 | SES | Excavation/Backfill | 4 | 40 | | | 16 | 160 |
| 9/21/2010 | Veneiro Trucking | Trucking Subcontractor | | | | | 1 | 10 |
| 9/21/2010 | | Totals | 9 | 90 | | | 17 | 170 |

TRAFFIC CONTROL

| Date | Work being performed | Personnel | Total Hrs |
|------|----------------------|-----------|-----------|
|------|----------------------|-----------|-----------|

HEALTH & SAFETY

Toolbox Meeting Topic: Potential hazards associated with days planned activities

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: At approx. 1:35 PM two straw bales were accidentally set on fire by slag blown from cutting operations in the sheet pile preparation area. The fire was extinguished immediately and an investigation was performed. Severson will generate an incident report and specify necessary corrective actions.

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- No excursions above the action level of 339 µg/m³.

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Wastewater Treatment Plant Comments/Issues

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL
Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING
Backfill

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 9/21/2010 | Armored | Common borrow | 613.26 |

General Use Material

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|-----------------------------|----------------|-----|
| 9/21/2010 | 20 | Each | 6" x6" x16' mixed hard wood | Feldman Lumber | |

Sheeting

| Date | Quantity | Units | Type | Length (ft) |
|-----------|----------|--------|-------------------|-------------|
| 9/21/2010 | 8 | Sheets | AZ 19-700 Doubles | 46 |
| 9/21/2010 | 15 | Sheets | AZ 19-700 Doubles | 43 |
| 9/21/2010 | 2 | Sheets | AZ 19-700 Doubles | 50 |

EXCAVATION/BACKFILL CONTRACTOR
Excavation/Backfill Activities/Comments/Issues

- Continued Mobilization and site preparation operations at the site
- Continued assembly of the Modutank panels in the WTP area

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- Continued shaping the Haz Materials Stockpile area (The pile is covered at the end of each work day)
- Offloaded 3 truck of sheet piling from Skyline Steel
- Continued the installation of steel sheet piling in the Building 5 Area. 18 pairs of AZ-19 700 doubles were driven to grade (82.67 LF/ 3,793.81 Sq. Ft. installed today and 330.69 LF/16,222.47 Sq. Ft. installed to date)
- Hit obstructions while driving sheet piling that will need an Excavator & Hoe Ram to remove in 2 different locations-three sets of sheet piles were skipped during driving activities
- Completed pre-trenching (200 LF today - 1775 LF total) along Building 5/6 area.

Sheeting Production

| Date | # Sheets driven | Driven (SF) | Driven (LF) | Monthly Total (SF) | Project Total (SF) |
|-----------|-----------------|-------------|-------------|--------------------|--------------------|
| To Date | 72 | 16222 | 330 | 16222 | 16222 |
| 9/21/2010 | 18 | 3794 | 83 | | |

ADDITIONAL SITE ACTIVITIES

- Veneiro trucking mobilized to perform onsite hauling activities

MAJOR EQUIPMENT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |

GENERAL COMMENTS/ISSUES

- Home Depot sanitary sewer line has not been encountered during pre-trenching as of yet.
- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- Agreement with NJCU to reuse concrete/masonry debris onsite. Letter to be issued by NJCU with stipulations.
- An onsite meeting was held with Mactec, Arecon Ltd., Severson and U.S Ecology to discuss trucking, stockpiling and direct loading options. Severson's start date for excavation and direct loading of T&D of hazardous material in Building 5 will begin October 18, 2010.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

VISITORS ONSITE

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

September 23, 2010

Thursday

WEATHER

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 9/23/2010 | Clear | | 67-81 | 2-5mph | NE-NNE-SE |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|----------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 9/23/2010 | MACTEC | CM | 4 | 10 | 1 | 10 | | |
| 9/23/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 9/23/2010 | SES | Excavation/Backfill | 4 | 40 | | | 17 | 170 |
| 9/23/2010 | Atlantic Scale | Scale Calibrator | | | | | 2 | 20 |
| 9/22/2010 | | Totals | 9 | 60 | 1 | 10 | 21 | 206 |

TRAFFIC CONTROL

| Date | Work being performed | Personnel | Total Hrs |
|------|----------------------|-----------|-----------|
|------|----------------------|-----------|-----------|

HEALTH & SAFETY

Toolbox Meeting Topic: Potential hazards associated with days planned activities

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- No excursions above the action level of 339 µg/m3.

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues

- None – plant not yet operational

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING

Backfill

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|-------------------------------|-----------------|-----|
| 9/23/2010 | 66 | Each | 8" PVC SDR 35 14' Long Pipe | Brent Materials | |
| 9/23/2010 | 1 | Each | 8'x16' Double Wall Trench Box | Hertz | |

Sheeting

| Date | Quantity | Units | Type | Length (ft) |
|-----------|----------|-------|-------------------|-------------|
| 9/23/2010 | 34 | Each | AZ 14-770 Doubles | 24' |

EXCAVATION/BACKFILL CONTRACTOR

Excavation/Backfill Activities/Comments/Issues

- Continued Mobilization and site preparation operations at the site
- Installed Liner of the Modutank panels in the WTP area
- Continued shaping the Haz Materials Stockpile area (The pile is covered at the end of each work day)
- Offloaded 2 trucks of sheet piling from Skyline Steel
- Continued the installation of steel sheet piling in the Building 5 Area. 13 pairs of AZ-19 700 doubles and 5 pairs of AZ 14-770 were driven to grade (82.67 LF/ 3,297.77 Sq. Ft. installed today and 491.45 LF/22,983.37Sq. Ft. installed to date)

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- Continued breaking surface concrete for building 7 area
- Offloaded Sanitary Sewer Pipe (8' PVC 900 LF)
- Performed general housekeeping for the weekend and buttoned up the Modutank liner at the end of the day

Sheeting Production

| Date | # Sheets driven | Driven (SF) | Driven (LF) | Monthly Total (SF) | Project Total (SF) |
|-----------|-----------------|-------------|-------------|--------------------|--------------------|
| To Date | 108 | 23249 | 491 | 23249 | 23249 |
| 9/23/2010 | 19 | 3564 | 83 | | |

ADDITIONAL SITE ACTIVITIES

- Giannos Electric was onsite to perform electrical inspection with PSEG
- Kennon Surveying checked sheet piling layout & located wells for Mactec
- Atlantic Scale was onsite for calibration of the truck scale

MAJOR EQUIPMENT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |

GENERAL COMMENTS/ISSUES

- Home Depot sanitary sewer line has not been encountered during pre-trenching as of yet.
- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- Agreement with NJCU to reuse concrete/masonry debris onsite. Letter to be issued by NJCU with stipulations.
- Awaiting Sanitary Sewer Connection Permit

VISITORS ONSITE

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

September 27, 2010

Monday

WEATHER

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 9/27/2010 | Rain | 0.70" | 63-72 | 2-4mph | NE-ESE-ESE |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|-------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 9/27/2010 | MACTEC | CM | 4 | 10 | 1 | 10 | | |
| 9/27/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 9/27/2010 | SES | Excavation/Backfill | 4 | 40 | | | 17 | 170 |
| 9/27/2010 | | Totals | 9 | 60 | 1 | 10 | 17 | 170 |

TRAFFIC CONTROL

| Date | Work being performed | Personnel | Total Hrs |
|------|----------------------|-----------|-----------|
|------|----------------------|-----------|-----------|

HEALTH & SAFETY

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.
- Discussed last week's safety incident.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- No monitoring sampling performed due to persistent rain.

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING

Backfill

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
| | | | |

General Use Material

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|-------------|--------------------------------|-----|
| 9/27/2010 | 1 | Each | Pipe Laser | Keystone Precision Instruments | |

Sheeting

| Date | Quantity | Units | Type | Length (ft) |
|-----------|----------|-------|------------------|-------------|
| 9/27/2010 | 10 | Each | AZ37-700 Doubles | 50' |

EXCAVATION/BACKFILL CONTRACTOR

Excavation/Backfill Activities/Comments/Issues

- Continued Mobilization and site preparation operations at the site

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- Continued assembly of the Modutank panels in the WTP area (filled with some water to hold liner in place)
- Continued shaping the Hazardous Materials Stockpile area (The pile is covered at the end of each work day)
- Offloaded 2 trucks of sheet piling from Skyline Steel
- Wet weather conditions impeded “wet” swell seal field application methods and sheet pile installation operations
- Completed adjustments of the temporary scale ramps
- Prepared to start sanitary sewer excavation/installation
- Set-up reuse stockpile area

Sheeting Production

| Date | # Sheets driven | Driven (SF) | Driven (LF) | Monthly Total (SF) | Project Total (SF) |
|-----------|-----------------|-------------|-------------|--------------------|--------------------|
| To Date | 89 | 19685 | 408 | 19685 | 19685 |
| 9/27/2010 | 0 | 0 | 0 | | |

ADDITIONAL SITE ACTIVITIES

MAJOR EQUIPMENT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |

GENERAL COMMENTS/ISSUES

- Home Depot sanitary sewer line has not been encountered during pre-trenching as of yet.
- PSE&G verified verbally that the 4” high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- Agreement with NJCU to reuse concrete/masonry debris onsite. Letter to be issued by NJCU with stipulations.

VISITORS ONSITE

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

September 28, 2010

Tuesday

WEATHER

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|-----------------|---------------------|------------------|------------------|----------------|
| 9/28/2010 | Cloudy, Showers | 0.60" | 71-75 | 1-12mph | SE |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|-------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 9/28/2010 | MACTEC | CM | 4 | 40 | 1 | 10 | | |
| 9/28/2010 | SES | Excavation/Backfill | 4 | 40 | | | 17 | 170 |
| 9/28/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 9/28/2010 | | Totals | 9 | 90 | 1 | 10 | 17 | 170 |

TRAFFIC CONTROL

| Date | Work being performed | Personnel | Total Hrs |
|------|----------------------|-----------|-----------|
|------|----------------------|-----------|-----------|

HEALTH & SAFETY

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- No excursions above the action level of 339 µg/m³.

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING

Backfill

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|--------------------------|----------------|-----|
| 9/28/2010 | 1 | Each | 500 Gallon Water Tank | Triboro Supply | |
| 9/28/2010 | 1 | Each | 21,000 Gallon Frac Tank | Baker Tank | |
| 9/28/2010 | 4 | Loads | 5/8" Stone (102.53 Tons) | Tilcon | |

Sheeting

| Date | Quantity | Units | Type | Length (ft) |
|-----------|----------|-------|------------------|-------------|
| 9/28/2010 | 10 | Each | AZ37-700 Doubles | 50' |

EXCAVATION/BACKFILL CONTRACTOR

Excavation/Backfill Activities/Comments/Issues

- Continued mobilization and preparation operations at the site
- Continued shaping the Hazardous Materials Stockpile area (The pile is covered at the end of each work day)
- Offloaded 2 trucks of sheet piling from Skyline Steel

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- Continued the installation of steel sheet piling in the Building 7 Area. 18 pairs of AZ-14 770 doubles (Building 7) and 1 pair of AZ-19-700 (Building 5) were driven to grade (87.26 LF/3,297.77 Sq. Ft. installed today and 583.31 LF/ 25,518.70 Sq. Ft. installed to date) Bldg 5- 22,983 sq. ft Bldg 7- 2,535 sq. ft
- Work started on Sanitary Sewer Excavation / Installation. Installed 2 manholes (#5-3 and #5-4) and approximately 95' of 8" PVC SDR 35 sanitary sewer pipe

Sheeting Production

| Date | # Sheets driven | Driven (SF) | Driven (LF) | Monthly Total (SF) | Project Total (SF) |
|-----------|-----------------|-------------|-------------|--------------------|--------------------|
| To Date | 108 | 22079 | 504 | 22079 | 22079 |
| 9/28/2010 | 19 | 2394 | 96 | | |

ADDITIONAL SITE ACTIVITIES

MAJOR EQUIPMENT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 2 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | D37 Dozer | 9/23/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |

GENERAL COMMENTS/ISSUES

- Home Depot sanitary sewer line has not been encountered during pre-trenching as of yet.
- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- Agreement with NJCU to reuse concrete/masonry debris onsite. Letter to be issued by NJCU with stipulations.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- EOR approved a revision to detail W on Dwg. C-304 for field installation of manholes. It changed the stone size from 1-1/2" to 5/8" and placed a layer of non-woven geo textile underneath the 1' layer of stone.

VISITORS ONSITE

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

September 29, 2010

Wednesday

WEATHER

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 9/29/2010 | Clear | 0.00 | 64-78 | 1-6mph | WSW-NW-SW |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|-------------|---------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 9/29/2010 | MACTEC | | 4 | 40 | 1 | 10 | | |
| 9/29/2010 | SES | | 4 | 40 | | | 17 | 170 |
| 9/29/2010 | Emilcott | | 1 | 10 | | | | |
| 9/29/2010 | | Totals | 9 | 90 | 1 | 10 | 17 | 170 |

TRAFFIC CONTROL

| Date | Work being performed | Personnel | Total Hrs |
|------|----------------------|-----------|-----------|
|------|----------------------|-----------|-----------|

HEALTH & SAFETY

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- No excursions above the action level of 339 µg/m³.

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING

Backfill

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|---------------|------------------|-----|
| 9/29/2010 | 9 | Cases | Swell Seal WA | DeNeef Chemicals | |

Sheeting

| Date | Quantity | Units | Type | Length (ft) |
|-----------|----------|-------|------------------|-------------|
| 9/29/2010 | 10 | Each | AZ37-700 Doubles | 50 |

EXCAVATION/BACKFILL CONTRACTOR

Excavation/Backfill Activities/Comments/Issues

- Continued mobilization and preparation operations at the site
- Continued installation of hay bales and erosion controls
- Continued installation of temporary WTP staging area and modutank area
- Continued receiving shipments of sheet piling from Skyline Steel
- Vibratex to continue installing vibration and settlement monitoring equipment
- Continued installation of the HD sanitary sewer

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Sheeting Production

| Date | # Sheets driven | Driven (SF) | Driven (LF) | Monthly Total (SF) | Project Total (SF) |
|-----------|-----------------|-------------|-------------|--------------------|--------------------|
| To Date | 124 | 25753 | 577 | 25753 | 25753 |
| 9/29/2010 | 16 | 3674 | 73 | | |

ADDITIONAL SITE ACTIVITIES
MAJOR EQUIPMENT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | D37 Dozer | 9/23/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES

- Home Depot sanitary sewer line has not been encountered during pre-trenching as of yet.
- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- Awaiting sanitary sewer connection permit

VISITORS ONSITE

- Cynthia Sunquist (Mactec)

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

September 29, 2010

Wednesday

WEATHER

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 9/29/2010 | Clear | 0.00 | 64-78 | 1-6mph | WSW-NW-SW |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|-------------|---------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 9/29/2010 | MACTEC | | 4 | 40 | 1 | 10 | | |
| 9/29/2010 | SES | | 4 | 40 | | | 17 | 170 |
| 9/29/2010 | Emilcott | | 1 | 10 | | | | |
| 9/29/2010 | | Totals | 9 | 90 | 1 | 10 | 17 | 170 |

TRAFFIC CONTROL

| Date | Work being performed | Personnel | Total Hrs |
|------|----------------------|-----------|-----------|
|------|----------------------|-----------|-----------|

HEALTH & SAFETY

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- No excursions above the action level of 339 µg/m³.

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING

Backfill

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|---------------|------------------|-----|
| 9/29/2010 | 9 | Cases | Swell Seal WA | DeNeef Chemicals | |

Sheeting

| Date | Quantity | Units | Type | Length (ft) |
|-----------|----------|-------|------------------|-------------|
| 9/29/2010 | 10 | Each | AZ37-700 Doubles | 50 |

EXCAVATION/BACKFILL CONTRACTOR

Excavation/Backfill Activities/Comments/Issues

- Continued mobilization and preparation operations at the site
- Continued installation of hay bales and erosion controls
- Continued installation of temporary WTP staging area and modutank area
- Continued receiving shipments of sheet piling from Skyline Steel
- Vibratex to continue installing vibration and settlement monitoring equipment
- Continued installation of the HD sanitary sewer

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- During pre-trenching excavation, a UST carcass located at a depth of 8-10' BGS was removed. It measured approximately 6 feet in diameter and 20 feet in length. It was not intact and no free liquids were observed. It was filled with soils that match the surrounding area.

Sheeting Production

| Date | # Sheets driven | Driven (SF) | Driven (LF) | Monthly Total (SF) | Project Total (SF) |
|-----------|-----------------|-------------|-------------|--------------------|--------------------|
| To Date | 124 | 25753 | 577 | 25753 | 25753 |
| 9/29/2010 | 16 | 3674 | 73 | | |

ADDITIONAL SITE ACTIVITIES
MAJOR EQUIPMENT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | D37 Dozer | 9/23/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES

- Home Depot sanitary sewer line has not been encountered during pre-trenching as of yet.
- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- Awaiting sanitary sewer connection permit

VISITORS ONSITE

- Cynthia Sunquist (Mactec)

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

September 30, 2010

Thursday

WEATHER

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 9/30/2010 | Rain | 1.21" | 70-75 | 2-6mph | NNE-SSE-SE |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|-------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 9/30/2010 | MACTEC | CM | 4 | 40 | 1 | 10 | | |
| 9/30/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 9/30/2010 | SES | Excavation/Backfill | 4 | 40 | 0 | 0 | 17 | 68 |
| 9/30/2010 | | Totals | 5 | 50 | 1 | 10 | 17 | 68 |

TRAFFIC CONTROL

| Date | Work being performed | Personnel | Total Hrs |
|------|----------------------|-----------|-----------|
|------|----------------------|-----------|-----------|

HEALTH & SAFETY

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- Monitoring suspended due to precipitation.

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues

- None – plant not yet operational

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
WASTE MANAGEMENT/DISPOSAL
Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING
Backfill

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|-------------------------|-----------------|--------------------|
| 9/30/2010 | 1 | Each | Steel Beam-W23 (24',7") | K&E Fabricating | Building 6 bracing |
| 9/30/2010 | 1 | Each | Steel Beam-W5 (36',6") | K&E Fabricating | Building 6 bracing |
| 9/30/2010 | 1 | Each | Steel Beam-W9 (43',9") | K&E Fabricating | Building 6 bracing |
| 9/30/2010 | 1 | Each | Steel Beam-W10 (46',2") | K&E Fabricating | Building 6 bracing |
| 9/30/2010 | 1 | Each | Steel Beam-W12 (45',3") | K&E Fabricating | Building 6 bracing |
| 9/30/2010 | 1 | Each | Steel Beam-W14 (20',3") | K&E Fabricating | Building 6 bracing |

Sheeting

| Date | Quantity | Units | Type | Length (ft) |
|-----------|----------|-------|------------------|-------------|
| 9/30/2010 | 8 | Each | AZ37-700 Doubles | 40 |
| 9/30/2010 | 2 | Each | AZ37-700 Doubles | 50 |
| 9/30/2010 | 7 | Each | AZ14-770 Doubles | 24 |

EXCAVATION/BACKFILL CONTRACTOR
Excavation/Backfill Activities/Comments/Issues

- Continued receiving shipments of sheet piling from Skyline Steel

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Sheeting Production

| Date | # Sheets driven | Driven (SF) | Driven (LF) | Monthly Total (SF) | Project Total (SF) |
|-----------|-----------------|-------------|-------------|--------------------|--------------------|
| To Date | 124 | 25753 | 577 | 25753 | 25753 |
| 9/30/2010 | 0 | 0 | 0 | | |

ADDITIONAL SITE ACTIVITIES
MAJOR EQUIPMENT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | D37 Dozer | 9/23/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES

- Home Depot sanitary sewer line has not been encountered during pre-trenching as of yet.
- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- Awaiting sanitary sewer connection permit.
- Sheet piling operations were shut down due to heavy rain activity.
- Sewer and obstruction removal shut down due to rain water in trenches.

VISITORS ONSITE

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

October 4, 2010

Monday

WEATHER

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|-----------------|---------------------|------------------|------------------|----------------|
| 10/4/2010 | Cloudy, Showers | 0.19 | 53-55 | 2-15 | NE-NNE |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 10/4/2010 | MACTEC | CM | 4 | 40 | 1 | 10 | | |
| 10/4/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 10/4/2010 | Moretrench | Well Installation | | | | | 4 | 40 |
| 10/4/2010 | SES | Excavation/Backfill | 4 | 40 | | | 17 | 170 |
| Totals | Totals | | 5 | 50 | 1 | 10 | 21 | 210 |

TRAFFIC CONTROL

| Date | Work being performed | Personnel | Total Hrs |
|------|----------------------|-----------|-----------|
|------|----------------------|-----------|-----------|

HEALTH & SAFETY

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- No excursions above the action level of 339 µg/m³

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING
Backfill

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 10/4/2010 | Armored | Common borrow | 253.18 |

General Use Material

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|---------|----------------------------------|--------------|-----|
| 10/4/2010 | 1 | Each | 21,000 Gallon Frac Tank | Adler | |
| 10/4/2010 | 2 | Each | Nylon Slings | Hanes Supply | |
| 10/4/2010 | 4 | Each | 2" Male Caps | Moretrench | |
| 10/4/2010 | 5 | Each | 2"x10' Screen | Moretrench | |
| 10/4/2010 | 6 | Each | 2"x5' Screen | Moretrench | |
| 10/4/2010 | 20 | Each | 2'x10' Riser Pipe Flush Joint | Moretrench | |
| 10/4/2010 | 10 | Each | 2'x10' Riser Pipe | Moretrench | |
| 10/4/2010 | 7 | Pallets | Grade #0 Filter Sand | Moretrench | |
| 10/4/2010 | 2 | Pallets | Grade #2 Filter Sand | Moretrench | |
| 10/4/2010 | 2 | Rolls | Mirafi G100N (4'x50') | Moretrench | |
| 10/4/2010 | 5 | Each | Scheulde 80 2'x10' | Moretrench | |
| 10/4/2010 | 20 | Each | 2" Centralizers | Moretrench | |
| 10/4/2010 | 1 | Pallet | D-150 Rantec Drilling Fluid | Moretrench | |
| 10/4/2010 | 7 | Each | 2" Male Caps | Moretrench | |
| 10/4/2010 | 1 | Pallet | Portland Cement Type 2 | Moretrench | |
| 10/4/2010 | 7 | Each | 1" Cap Bottoms | Moretrench | |
| 10/4/2010 | 3 | Each | 1"x10' #20 Slot Flush Joint Pipe | Moretrench | |
| 10/4/2010 | 3 | Each | 1"x5' #20 Slot Flush Joint Pipe | Moretrench | |
| 10/4/2010 | 20 | Each | 1"x10' Pipe | Moretrench | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Sheeting

| Date | Quantity | Units | Type | Length (ft) |
|-----------|----------|-------|------------------------|-------------|
| 10/4/2010 | 17 | Each | AZ14-770 Doubles | 24 |
| 10/4/2010 | 67 | Each | AZ14-770 Doubles | 12 |
| 10/4/2010 | 2 | Each | AZ14-770 Singles | 12 |
| 10/4/2010 | 1 | Each | AZ14-770 Double Corner | 24 |

EXCAVATION/BACKFILL CONTRACTOR
Excavation/Backfill Activities/Comments/Issues

- Continued receiving shipments of sheet piling from Skyline Steel
- Continued mobilization and site preparation operations
- Continued installation of steel sheet piling in the Building 5 area
- 18 pairs of AZ37 700 doubles (50') and 4 pairs of AZ37 700 doubles (40') were driven to grade
- Continued work on sanitary sewer installation
- Positioned second Baker Tank in preparation for WTP set up.
- Moretrench mobilized and equipment delivered
- Site orientation and preparatory inspection meetings were conducted with Moretrench
- Observation and pumping well installation performed

Sheeting Production

| Date | # Sheets driven | Driven (SF) | Driven (LF) | Monthly Total (SF) | Project Total (SF) |
|-----------|-----------------|-------------|-------------|--------------------|--------------------|
| To Date | 146 | 30622 | 678 | 30622 | 30622 |
| 10/4/2010 | 22 | 4869 | 101 | | |

ADDITIONAL SITE ACTIVITIES
MAJOR EQUIPMENT

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | D37 Dozer | 9/23/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES

- Home Depot sanitary sewer line has not been encountered during pre-trenching as of yet.
- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.

VISITORS ONSITE

- Melissa Sinisgalli

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

October 5, 2010

Tuesday

WEATHER

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 10/5/2010 | Cloudy | 0.01 | 55-60 | 2-12 | NE-NNE |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 10/5/10 | MACTEC | CM | 4 | 40 | 1 | 10 | | |
| 10/5/10 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 10/5/10 | Moretrench | Well Installation | | | | | 4 | 40 |
| 10/5/10 | SES | Excavation/Backfill | 4 | 40 | | | 18 | 180 |
| Totals | Totals | | 5 | 50 | 1 | 10 | 22 | 220 |

TRAFFIC CONTROL

| Date | Work being performed | Personnel | Total Hrs |
|------|----------------------|-----------|-----------|
|------|----------------------|-----------|-----------|

HEALTH & SAFETY

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- No excursions above the action level of 339 µg/m³

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues

- None – plant not yet operational

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
WASTE MANAGEMENT/DISPOSAL
Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING
Backfill

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 10/5/2010 | Armored | Common borrow | 498.45 |

General Use Material

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|------------------------|-----------------------|-----|
| 10/5/2010 | 3 | Loads | No. 67 Stone | Tilcon | |
| 10/5/2010 | | | Misc. Fittings for WTP | Raritan Pipe & Supply | |
| 10/5/2010 | 1 | Each | Steel Beam-52'x2" | K&E Fabricating | |
| 10/5/2010 | 1 | Each | Steel Beam-58'x9" | K&E Fabricating | |
| 10/5/2010 | 1 | Each | Steel Beam-57'x3" | K&E Fabricating | |

Sheeting

| Date | Quantity | Units | Type | Length (ft) |
|-----------|----------|-------|-------------------------|-------------|
| 10/5/2010 | 36 | Each | AZ14-770 Doubles | 12' |
| 10/5/2010 | 8 | Each | AZ19-700 Double Corners | 36' |

EXCAVATION/BACKFILL CONTRACTOR
Excavation/Backfill Activities/Comments/Issues

- Continued receiving shipments of sheet piling from Skyline Steel
- Continued mobilization and site preparation operations

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- Continued installation of steel sheet piling in the Building 5 and Building 7 areas
- Installed 4 pairs of AZ-37 700 doubles along the Mallory corridor
- Installed 15 pairs of AZ-19 770 & 2 pairs of AZ-14 770 in building 5 area
- Continued work on sanitary sewer installation
- Installed observation wells in non-hazardous Building 5 area
- Removed concrete and blacktop in Mallory corridor area
- Assembled WTP
- Reformed reuse and concrete stock piles

Sheeting Production

| Date | # Sheets driven | Driven (SF) | Driven (LF) | Monthly Total (SF) | Project Total (SF) |
|-----------|-----------------|-------------|-------------|--------------------|--------------------|
| To Date | 166 | 33296 | 777 | 33296 | 33296 |
| 10/5/2010 | 20 | 2675 | 99 | | |

ADDITIONAL SITE ACTIVITIES
MAJOR EQUIPMENT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | D37 Dozer | 9/23/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES

- Home Depot sanitary sewer line has not been encountered during pre-trenching as of yet.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

VISITORS ONSITE

- PSE&G verified verbally that the 4” high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

October 6, 2010

Wednesday

WEATHER

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 10/6/2010 | Clear | 0 | 55-64 | 1-12 | SSW-SW-WSW |

SITE PERSONNEL

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------|-------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 10/6/10 | MACTEC | CM | 4 | 40 | 1 | 10 | | |
| 10/6/10 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 10/6/10 | Moretrench | Well Installation | | | | | 4 | 40 |
| | Kenyon | Surveying | | | | | 2 | 14 |
| 10/6/10 | SES | Excavation/Backfill | 4 | 40 | | | 18 | 180 |

TRAFFIC CONTROL

| Date | Work being performed | Personnel | Total Hrs |
|------|----------------------|-----------|-----------|
|------|----------------------|-----------|-----------|

HEALTH & SAFETY*Toolbox Meeting Topic:*

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues

- None

Perimeter Air Monitoring

- No excursions above the action level of 339 µg/m³

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS*Passaic Valley Sewerage Commission (PVSC) Compliance Sampling*

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues

- None – plant not yet operational

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

WASTE MANAGEMENT/DISPOSAL

Hazardous Material Shipped Summary

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING

Backfill

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|-----------------------------|--------------------|-----|
| 10/6/2010 | 6 | Rolls | 4'x50' Orange Diamond Fence | Triboro Hardware | |
| 10/6/2010 | 30 | Each | 5ft. Fence posts | Diamond Fence | |
| 10/6/2010 | 4 | Bags | 8" Cable ties | Diamond Fence | |
| 10/6/2010 | 30 | Each | 6' Fence posts | Diamond Fence | |
| 10/6/2010 | 1 | Each | 30hp Asphalt Saw | United Rentals | |
| 10/6/2010 | 2 | Each | 100'x2" PVC Hose | Certified Products | |
| 10/6/2010 | 2 | Each | 1/2"x2 1/2" Adaptors | Certified Products | |

Sheeting

| Date | Quantity | Units | Type | Length (ft) |
|-----------|----------|-------|------------------|-------------|
| 10/6/2010 | 22 | Each | AZ19-700 Doubles | 36' |

EXCAVATION/BACKFILL CONTRACTOR

Excavation/Backfill Activities/Comments/Issues

- Continued receiving shipments of sheet piling from Skyline Steel
- Continued mobilization and site preparation operations
- Continued installation of steel sheet piling in the Building 5 and Building 7 areas

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- Turned corner of building 7 and started 12' sheet piles along Rt. 440
- Installed 14 pairs of AZ-19 770 doubles and 1 pair of AZ-14 770 doubles in building 7 area
- Saw cut for sanitary sewer connection heading into Carbon Place
- Continued assembly of the WTP
- Preparing the concrete stock pile for the crusher
- Set up excavation zone for Moretrench
- Housekeeping around hazardous material stock pile performed

Sheeting Production

| Date | # Sheets driven | Driven (SF) | Driven (LF) | Monthly Total (SF) | Project Total (SF) |
|-----------|-----------------|-------------|-------------|--------------------|--------------------|
| To Date | 181 | 35054 | 853 | 35054 | 35054 |
| 10/6/2010 | 15 | 1758 | 76 | | |

ADDITIONAL SITE ACTIVITIES

MAJOR EQUIPMENT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | D37 Dozer | 9/23/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES

- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

VISITORS ONSITE

- Suzanne Laidlaw
- Brent O'Dell

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

October 7, 2010

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 10/7/2010 | Clear | 0 | 53-72 | 6-18 | WSW-W-WNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 10/7/2010 | MACTEC | CM | 4 | 40 | 1 | 10 | | |
| 10/7/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 10/7/2010 | Moretrench | Well Installation | | | | | 4 | 40 |
| 10/7/2010 | SES | Excavation/Backfill | 4 | 40 | | | 18 | 180 |
| Totals | Totals | | 9 | 90 | 1 | 10 | 22 | 220 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------|----------------------|-----------|-----------|
|------|----------------------|-----------|-----------|

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³
- One reading above 60 µg/m³ at MD-2 at 14:46 due to moving and stockpiling rubble at west end of site. Water truck was observed spraying area immediately after reading to mitigate.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues:

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL:

Hazardous Material Shipped Summary:

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
| | | | |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
| | | | | | |

Sheeting:

| Date | Quantity | Units | Type | Length (ft) |
|-----------|----------|-------|-------------------|-------------|
| 10/7/2010 | 22 | Each | AZ-19 700 Doubles | 36 |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued receiving shipments of sheet piling from Skyline Steel
- Continued mobilization and site preparation operations
- Continued installation of steel sheet piling in Building 7 area
- 40 pairs of AZ-19 770 doubles were driven to grade
- Continued assembly of the WTP
- Preparing the concrete stock pile for the crusher
- Housekeeping around hazardous material stock pile performed

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Monthly Total (SF) | Project Total (SF) |
|-----------|-----------------|-------------|--------------------|--------------------|
| To Date | 240 | 17794 | 17794 | 41043 |
| 10/7/2010 | 40 | 2425 | | |

ADDITIONAL SITE ACTIVITIES:
MAJOR EQUIPMENT :

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | 10/6/2010 |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | Air Pavement Breaker | 10/7/2010 | |
| 1 | Air Chipping Gun with Chisels | 10/7/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES:**

- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

October 11, 2010

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------|---------------------|------------------|------------------|----------------|
| 10/11/2010 | Clear | 0.37 | 57-78 | 1-11 | SSE-SW-W |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 10/11/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 10/11/2010 | Emilcott | Air Monitoring | 1 | 8 | | | | |
| 10/11/2010 | Moretrench | Well Installation | | | | | 4 | 32 |
| 10/11/2010 | SES | Excavation/Backfill | 4 | 32 | | | 18 | 144 |
| Totals | Totals | | 9 | 72 | 1 | 8 | 22 | 176 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------|----------------------|-----------|-----------|
|------|----------------------|-----------|-----------|

HEALTH & SAFETY:*Toolbox Meeting Topic:*

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:*Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:*

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Wastewater Treatment Plant Comments/Issues:

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|--------|----------------------------|-----------------------|-----|
| 10/11/2010 | 2 | Each | 2"x10' Nylon Slings | Dival Safety | |
| 10/11/2010 | 2 | Each | 2"x20' Nylon Slings | Dival Safety | |
| 10/11/2010 | 12 | Each | Leather Gloves | Dival Safety | |
| 10/11/2010 | 1 | Each | Saline Eyewash Station | Dival Safety | |
| 10/11/2010 | 480 | Each | Cotton Glove Liners | Dival Safety | |
| 10/11/2010 | 12 | Boxes | Nitrile Gloves | Dival Safety | |
| 10/11/2010 | 2 | Each | Retractable Life Lines | Dival Safety | |
| 10/11/2010 | 2 | Pails | Hydraulic Cement (5 Gal.) | Raritan Pipe & Supply | |
| 10/11/2010 | 1 | Each | 1600 LF 4" Schedule 40 PVC | Raritan Pipe & Supply | |
| 10/11/2010 | 1 | Each | 8' Fusion Machine | Lee Supply | |
| 10/11/2010 | 1 | Each | 1600 LF HDPE SDR 17 Pipe | Lee Supply | |
| 10/11/2010 | 2 | Each | Road Crossings | Godwin Pumps | |
| 10/11/2010 | 1 | Pallet | C-9 Cutting Tools | Skyline Steel | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Sheeting:

| Date | Quantity | Units | Type | Length (ft) |
|-----------|----------|-------|------------------|-------------|
| 7/11/2010 | 11 | Each | AZ19-700 Doubles | 36 |

EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued receiving shipments of sheet piling from Skyline Steel
- Continued mobilization and site preparation operations
- Continued installation of steel sheet piling in Building 7 area
- 36 pairs of AZ-14 770 doubles were driven to grade
- Continued assembly of the WTP
- Set 3 poles for temporary electric to well pumps and water treatment plant
- Moretrench continues installation of the observation wells
- Performed necessary Mercury monitoring during drilling operations
- Sized surface asphalt and concrete in the building 5 area to assist with the direct load out of hazardous material on 10/18/2010

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|---------------|-----------------|-------------|--------------------|
| To Date | 276 | 43225 | 43225 |
| Pre 9/27/10 | 108 | 23249 | |
| Since 9/27/10 | 168 | 19976 | |
| 10/11/2010 | 36 | 2182 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT :

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | 10/6/2010 |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | Air Pavement Breaker | 10/7/2010 | |
| 1 | Air Chipping Gun with Chisels | 10/7/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES:

- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- Made notifications and handed out drawings to all local businesses and Honda dealership regarding road closure that is set to occur on 10/13/10.
- It was observed that on the corner of Carbon Place and Rt. 440 that a section of the barrier fencing was damaged due to vehicle activity. Tire marks were noticed on the outside of the barrier.

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

October 12, 2010

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|--------------------|---------------------|------------------|------------------|----------------|
| 10/12/2010 | Cloudy, then Clear | 0.03 | 60-70 | 1-10 | WSW-W-N-NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|----------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 10/12/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 10/12/2010 | Emilcott | Air Monitoring | 1 | 8 | | | | |
| 10/12/2010 | Moretrench | Well Installation | | | | | 3 | 30 |
| 10/12/2010 | Kenyon | Surveying | | | | | 1 | 8 |
| 10/12/2010 | Vibratech | Vibration Monitoring | | | | | 1 | 4 |
| 10/12/2010 | SES | Excavation/Backfill | 5 | 50 | | | 18 | 180 |
| Totals | Totals | | 10 | 90 | 1 | 8 | 23 | 222 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------|----------------------|-----------|-----------|
|------|----------------------|-----------|-----------|

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues:

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL:

Hazardous Material Shipped Summary:

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
| | | | |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-------|------------------------------|-----------------|-----|
| 10/12/2010 | 1 | Each | 3500 Watt Portable Generator | Grainger | |
| 10/12/2010 | 4 | Each | Oxygen Bottles | Sos | |
| 10/12/2010 | 2 | Each | Acetylene Bottles | Sos | |
| 10/12/2010 | 6 | Each | Fabricated Walers | K&E Fabricating | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Sheeting:

| Date | Quantity | Units | Type | Length (ft) |
|------------|----------|-------|------------------|-------------|
| 10/12/2010 | 11 | Each | AZ19-700 Doubles | 36 |

EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued receiving shipments of sheet piling from Skyline Steel
- Continued installation of steel sheet piling in building 5,6 and 7 areas
- Continued assembly of the temporary WTP and dewatering system
- Moretrench continues installation of the observation wells
- Sized surface asphalt and concrete in the building 5 area to assist with the direct load out of hazardous material on 10/18/2010
- Installation of seismographs along Rt. 440 for monitoring during force main activity
- Pole removal at SE corner of site for continuation of sheeting installation
- Restaking of excavation and sheeting limits

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|---------------|-----------------|-------------|--------------------|
| To Date | 298 | 46218 | 46218 |
| Pre 9/27/10 | 108 | 23249 | |
| Since 9/27/10 | 190 | 22969 | |
| 10/12/2010 | 22 | 2993 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT :

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | 10/6/2010 |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | Air Pavement Breaker | 10/7/2010 | |
| 1 | Air Chipping Gun with Chisels | 10/7/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES:

- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

October 13, 2010

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------|---------------------|------------------|------------------|----------------|
| 10/13/2010 | Clear | 0.00 | 47-66 | 1-8 | N-NNW-NNE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|----------------|--------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 10/13/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 10/13/2010 | Emilcott | Air Monitoring | 1 | 8 | | | | |
| 10/13/2010 | Moretrench | Well Installation | | | | | 3 | 30 |
| 10/13/2010 | Kenyon | Surveying | | | | | 1 | 8 |
| 10/13/2010 | Giannos | Electrical Subcontractor | | | | | 2 | 16 |
| 10/13/2010 | Traffic Safety | Safety Sign Set-up | | | | | 2 | 2 |
| 10/13/2010 | SES | Excavation/Backfill | 5 | 50 | | | 18 | 180 |
| Totals | Totals | | 10 | 90 | 1 | 8 | 26 | 236 |

TRAFFIC CONTROL:

| Date | | Work being performed | Personnel | Total Hrs |
|----------|--------------------|----------------------|-----------|-----------|
| 10/13/10 | Jersey City Police | Traffic Control | 2 | 20 |

HEALTH & SAFETY:
Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.
- Fire extinguisher training performed.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues:

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
| | | | |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-------|------------------------------|------------------|-----|
| 10/13/2010 | 1 | Each | 3200 psi Gas Pressure Washer | Triboro Hardware | |
| 10/13/2010 | 6 | Each | Spaded Shovels | Triboro Hardware | |
| 10/13/2010 | 1 | Case | White Paint | Triboro Hardware | |
| 10/13/2010 | 3 | Cases | Orange Paint | Triboro Hardware | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Sheeting:

| Date | Quantity | Units | Type | Length (ft) |
|------------|----------|-------|------------------|-------------|
| 10/13/2010 | 11 | Each | AZ19-700 Doubles | 36 |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued receiving shipments of sheet piling from Skyline Steel
- Continued installation of steel sheet piling in building 5 area
- Installed sanitary sewer connection in Carbon Place
- Restored asphalt paving on Carbon Place associated with sewer connection
- Continued assembly of the temporary WTP and dewatering system
- Severson assisted Moretrench with the set up of the decon area around the deep well
- Inspecting crack monitors at Honda dealership on a daily basis, no issues to date

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|---------------|-----------------|-------------|--------------------|
| To Date | 318 | 49525 | 49525 |
| Pre 9/27/10 | 108 | 23249 | |
| Since 9/27/10 | 210 | 26276 | |
| 10/13/2010 | 20 | 3307 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | 10/6/2010 |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | Air Pavement Breaker | 10/7/2010 | |
| 1 | Air Chipping Gun with Chisels | 10/7/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES:

- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- Groundwater on site is higher than shown on plans

VISITORS ONSITE:

- Brent O'Dell

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

October 14, 2010

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|--------------------|---------------------|------------------|------------------|----------------|
| 10/14/2010 | Clear, then Cloudy | 0.40 | 48-65 | 1-12 | NE-N-ESE-E |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|--------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 10/14/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 10/14/2010 | Emilcott | Air Monitoring | 1 | 8 | | | | |
| 10/14/2010 | Moretrench | Well Installation | | | | | 3 | 30 |
| 10/14/2010 | Giannos | Electrical Subcontractor | | | | | 2 | 16 |
| 10/14/2010 | SES | Excavation/Backfill | 5 | 45 | | | 21 | 189 |
| Totals | Totals | | 10 | 85 | 1 | 8 | 26 | 235 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------|----------------------|-----------|-----------|
|------|----------------------|-----------|-----------|

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues:

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-------|----------------------------------|-----------------|-----|
| 10/14/2010 | 4 | Each | 14" Beams | K&E Fabricating | |
| 10/14/2010 | 1 | Each | W-13 Beam | K&E Fabricating | |
| 10/14/2010 | 1 | Each | W-15 Beam | K&E Fabricating | |
| 10/14/2010 | 2 | Each | Steel Scaffolding Sets (7' high) | Safeway | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Sheeting:

| Date | Quantity | Units | Type | Length (ft) |
|------------|----------|-------|------------------|-------------|
| 10/14/2010 | 11 | Each | AZ19-700 Doubles | 36 |

EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued installation of steel sheet piling in building 5 and 7 areas.
- Completed sewer from Carbon Place to manhole 5-4.
- Set-up scaffolding for installation of liners into trucks which is to take place on Monday, 10/18/2010. A test run will be performed tomorrow.
- Continued assembly of the temporary WTP and dewatering system.
- Severson assisted Moretrench with the installation of the deep well.
- Inspecting crack monitors at Honda dealership on a daily basis, no issues to date.
- Installed walers in the building 6 area for use as a driving template for sheeting.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|---------------|-----------------|-------------|--------------------|
| To Date | 324 | 50416 | 50416 |
| Pre 9/27/10 | 108 | 23249 | |
| Since 9/27/10 | 216 | 27167 | |
| 10/14/2010 | 6 | 891 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | 10/6/2010 |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | Air Pavement Breaker | 10/7/2010 | |
| 1 | Air Chipping Gun with Chisels | 10/7/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES:

- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- Groundwater on site is higher than shown on plans. A meeting will be held on Monday, 10/18/2010 at 2pm to discuss available options for the placement and installation of the tiebacks.

VISITORS ONSITE:

- Kinjal Shah

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

October 15, 2010

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------|---------------------|------------------|------------------|----------------|
| 10/15/2010 | Clear | 0.14 | 50-58 | 6-22 | W-WNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|--------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 10/15/2010 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 10/15/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 10/15/2010 | Moretrench | Well Installation | | | | | 3 | 24 |
| 10/15/2010 | Giannos | Electrical Subcontractor | | | | | 2 | 16 |
| 10/15/2010 | Roman Asphalt | Asphalt Subcontractor | | | | | 3 | 30 |
| 10/15/2010 | Kenyon | Surveying | | | | | 1 | 8 |
| 10/15/2010 | SES | Excavation/Backfill | 5 | 45 | | | 21 | 189 |
| Totals | Totals | | 9 | 79 | 1 | 8 | 30 | 267 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------|----------------------|-----------|-----------|
|------|----------------------|-----------|-----------|

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues:

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL:

Hazardous Material Shipped Summary:

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
| | | | |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-------|---------------------|-------------|-----|
| 10/15/2010 | 1 | Each | Magnetic Flow Meter | Yokogawa | |
| 10/15/2010 | 1 | Each | 220 KVA Generator | Hertz | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Sheeting:

| Date | Quantity | Units | Type | Length (ft) |
|------|----------|-------|------|-------------|
|------|----------|-------|------|-------------|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued installation of steel sheet piling in building 6 area.
- Continued assembly of the temporary WTP and dewatering system.
- Inspecting crack monitors at Honda dealership on a daily basis, no issues to date.
- Preparations were made for truck lining that is set to begin on Monday, 10/18/2010. All personnel involved watched a video from SA-7 truck lining procedures.
- Completed set up of the scaffolding for installation of truck liners.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|---------------|-----------------|-------------|--------------------|
| To Date | 352 | 55046 | 55046 |
| Pre 9/27/10 | 108 | 23249 | |
| Since 9/27/10 | 244 | 31797 | |
| 10/15/2010 | 28 | 4630 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | 10/6/2010 |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | Air Pavement Breaker | 10/7/2010 | |
| 1 | Air Chipping Gun with Chisels | 10/7/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES:

- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

October 18, 2010

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------------|---------------------|------------------|------------------|----------------|
| 10/18/2010 | Mostly Cloudy | 0 | 51-60 | 3-15 | W-WNW-WSW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|--------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 10/18/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 10/18/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 10/18/2010 | Moretrench | Well Installation | | | | | 3 | 24 |
| 10/18/2010 | Giannos | Electrical Subcontractor | | | | | 2 | 16 |
| 10/18/2010 | Roman Asphalt | Paving Subcontractor | | | | | 6 | 30 |
| 10/18/2010 | Kenyon | Surveying | | | | | 1 | 8 |
| 10/18/2010 | Aercon | Trucking & Disposal | 1 | 9 | | | 2 | 22 |
| 10/18/2010 | SES | Excavation/Backfill | 4 | 40 | | | 20 | 202 |
| Totals | Totals | | 10 | 91 | 1 | 8 | 34 | 302 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|----------------------|-----------|-----------|
| 10/18/10 | Traffic Control | 2 | 16 |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues:

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL:

Hazardous Material Shipped Summary:

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-------|--------------------------------|--------------------|-----|
| 10/18/2010 | 1 | Each | Light Tower | United Rentals | |
| 10/18/2010 | 1 | Each | 100 LF of 8' High Fence Panels | Consolidated Fence | |
| 10/18/2010 | 1 | Each | Sub-Prime GSP20 w/3" Discharge | Godwin Pumps | |
| 10/18/2010 | 1 | Each | 300' of 2" Solid Hose | Godwin Pumps | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Sheeting:

| Date | Quantity | Units | Type | Length (ft) |
|------------|----------|-------|--|-------------|
| 10/18/2010 | 20 | Each | AZ-19 700 Doubles with DeNeef in lead locks | 36 |
| 10/18/2010 | 12 | Each | AZ-19 700 Doubles | 36 |

EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued installation of steel sheet piling in building 6 area.
- Continued assembly of the temporary WTP and dewatering system.
- Inspecting crack monitors at Honda dealership on a daily basis, no issues to date.
- 31 trucks lined and loaded for offsite disposal of hazardous soil
- Began excavating building 5 for hazardous soil
- Performed obstruction demolition in building 5 area
- Performed a test pit excavation to determine the groundwater table elevation in the building 5 area

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|---------------|-----------------|-------------|--------------------|
| To Date | 372 | 58353 | 58353 |
| Pre 9/27/10 | 108 | 23249 | |
| Since 9/27/10 | 264 | 35104 | |
| 10/18/2010 | 20 | 3307 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | 10/6/2010 |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | Air Pavement Breaker | 10/7/2010 | |
| 1 | Air Chipping Gun with Chisels | 10/7/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES:

- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.

VISITORS ONSITE:

- Kinjal Shah
- Marinna Seemuller
- Geoff Shallard

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

October 19, 2010

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|----------|---------------------|------------------|------------------|----------------|
| 10/19/2010 | Clearing | 0.09 | 49-61 | 0-9 | ESE-SE-SW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|--------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 10/19/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 10/19/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 10/19/2010 | Moretrench | Well Installation | | | | | 3 | 24 |
| 10/19/2010 | Giannos | Electrical Subcontractor | | | | | 2 | 16 |
| 10/19/2010 | Aercon | Trucking & Disposal | 1 | 8 | | | 2 | 22 |
| 10/19/2010 | SES | Excavation/Backfill | 6 | 63 | | | 21 | 210 |
| Totals | Totals | | | | | | | |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|----------------------|-----------|-----------|
| 10/19/10 | Traffic Control | 1 | 8 |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues:

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| None | | | | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-------|---------------|--------------------|-----|
| 10/19/2010 | 30 | Each | Delineators | Triboro Supply | |
| 10/19/2010 | 1 | Each | Portable Sink | Johnny on the Spot | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Sheeting:

| Date | Quantity | Units | Type | Length (ft) |
|------------|----------|-------|-------------------|-------------|
| 10/19/2010 | 20 | Each | AZ-19 700 Doubles | 36 |

EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued installation of steel sheet piling in building 6 area.
- Continued assembly of the temporary WTP and dewatering system.
- Inspecting crack monitors at Honda dealership on a daily basis, no issues to date.
- 40 trucks lined and loaded for offsite disposal of hazardous soil
- Excavated building 5 for hazardous soil
- Performed obstruction demolition in building 5 area
- Initiated installation of deep well 6-2 in the building 6 area

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|---------------|-----------------|-------------|--------------------|
| To Date | 388 | 60998 | 60998 |
| Pre 9/27/10 | 108 | 23249 | |
| Since 9/27/10 | 280 | 37749 | |
| 10/19/2010 | 16 | 2646 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | 10/6/2010 |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | Air Pavement Breaker | 10/7/2010 | |
| 1 | Air Chipping Gun with Chisels | 10/7/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES:

- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- PVSC performed sewer inspection on Carbon Place and it was noted that there were no deficiencies.

VISITORS ONSITE:

- Geoff Shallard
- Venkat Jayaraman

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

October 20, 2010

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------|---------------------|------------------|------------------|----------------|
| 10/20/2010 | Cloudy | 0 | 46-60 | 0-8 | SE-SW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|--------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 10/20/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 10/20/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 10/20/2010 | Moretrench | Well Installation | | | | | 3 | 24 |
| 10/20/2010 | Giannos | Electrical Subcontractor | | | | | 2 | 16 |
| 10/20/2010 | Aercon | Trucking & Disposal | 1 | 5.5 | | | 2 | 22 |
| 10/20/2010 | SES | Excavation/Backfill | 6 | 69 | | | 21 | 215 |
| Totals | Totals | | 12 | 116.5 | 1 | 8 | 28 | 277 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|----------------------|-----------|-----------|
| 10/20/2010 | Traffic Control | 3 | 12 |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues:

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL:

Hazardous Material Shipped Summary:

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 39 | Horwith | Haz Soil | 985.22 | 2,753.87 | 25.26 | | US Ecology |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use

Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-------|--|----------------------|-----|
| 10/20/2010 | 2 | Yards | 3,000 PSI concrete | Ralph Clayton & Sons | |
| 10/20/2010 | 30 | Each | 6"x6"x16' Hardwood, 2"x3"x12" Oak Wedges | Feldman Lumber | |

Sheeting:

| Date | Quantity | Units | Type | Length (ft) |
|------------|----------|-------|-------------------|-------------|
| 10/20/2010 | 20 | Each | AZ-19 700 Doubles | 36 |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued installation of steel sheet piling in building 6 area.
- Continued assembly of the temporary WTP and dewatering system.
- Inspecting crack monitors at Honda dealership on a daily basis, no issues to date.
- 39 trucks lined and loaded for offsite disposal of hazardous soil
- Excavated building 5 for hazardous soil
- Performed obstruction demolition in building 5 area
- Initiated installation of deep well 6-2 in the building 6 area
- Conducted pressure test of non-pressurized sewer line from manhole 5-4 to tie in on Carbon Place. Pipe held greater than 4 psi for 4 minutes
- Poured benches in manholes 5-3 and 5-4

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|---------------|-----------------|-------------|--------------------|
| To Date | 402 | 63313 | 63313 |
| Pre 9/27/10 | 108 | 23249 | |
| Since 9/27/10 | 294 | 40064 | |
| 10/20/2010 | 14 | 2315 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | 10/6/2010 |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | Air Pavement Breaker | 10/7/2010 | |
| 1 | Air Chipping Gun with Chisels | 10/7/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES:

- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.

VISITORS ONSITE:

- Dave Desedario
- Tim Curtain
- William Hague
- John Morris
- Joe Clifford
- Jeremy Karpatkin
- Michael Danekar

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

October 21, 2010

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|-----------------------|---------------------|------------------|------------------|----------------|
| 10/21/2010 | Cloudy, then clearing | 0 | 50-63 | 4-19 | SSW-SW-W |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|--------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 10/21/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 10/21/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 10/21/2010 | Moretrench | Well Installation | | | | | 3 | 24 |
| 10/21/2010 | Giannos | Electrical Subcontractor | | | | | 2 | 16 |
| 10/21/2010 | Aercon | Trucking & Disposal | 1 | 4 | | | 2 | 23 |
| 10/21/2010 | SES | Excavation/Backfill | 6 | 66 | | | 21 | 197 |
| Totals | Totals | | 12 | 112 | 1 | 8 | 28 | 260 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|----------------------|-----------|-----------|
| 10/21/10 | Traffic Control | 1 | 8 |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues:

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 39 | Horwith | Haz Soil | 974.15 | 3,728.02 | 24.98 | | US Ecology |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-------|--------------|----------------|-----|
| 10/21/2010 | 1 | Each | Concrete Saw | United Rentals | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Sheeting:

| Date | Quantity | Units | Type | Length (ft) |
|------|----------|-------|------|-------------|
|------|----------|-------|------|-------------|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued installation of steel sheet piling in building 6 area.
- Continued assembly of the temporary WTP and dewatering system.
- Inspecting crack monitors at Honda dealership on a daily basis, no issues to date.
- 39 trucks lined and loaded for offsite disposal of hazardous soil
- Excavated building 5 for hazardous soil
- Performed obstruction demolition in building 5 area
- Set top sections of manholes 5-4 and 5-3 to prepare for vacuum testing

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|---------------|-----------------|-------------|--------------------|
| To Date | 418 | 65959 | 65959 |
| Pre 9/27/10 | 108 | 23249 | |
| Since 9/27/10 | 310 | 42710 | |
| 10/21/2010 | 16 | 2646 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | 10/6/2010 |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | Air Pavement Breaker | 10/7/2010 | |
| 1 | Air Chipping Gun with Chisels | 10/7/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES:

- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- PVSC was on site to view flow meter on the WTP. Approval for discharge was granted.

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

October 22, 2010

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------------|---------------------|------------------|------------------|----------------|
| 10/22/2010 | Partly Cloudy | 0 | 47-53 | 4-18 | WNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|--------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 10/22/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 10/22/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 10/22/2010 | Moretrench | Well Installation | | | | | 3 | 24 |
| 10/22/2010 | Giannos | Electrical Subcontractor | | | | | 2 | 16 |
| 10/22/2010 | Kenyon | Surveying | | | | | 1 | 4 |
| 10/22/2010 | Aercon | Trucking & Disposal | 1 | 2 | | | 2 | 21 |
| 10/22/2010 | SES | Excavation/Backfill | 5 | 40 | | | 21 | 168 |
| Totals | Totals | | 11 | 84 | 1 | 8 | 29 | 233 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|----------------------|-----------|-----------|
| 10/22/2010 | Traffic Control | 1 | 8 |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues:

- None – plant not yet operational

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 39 | Horwith | Haz Soil | 984.33 | 4,712.35 | 25.24 | 70 | US Ecology |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
| | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-------|--------------------------|-----------------|-----|
| 10/22/2010 | 1 | Each | 6' Well Point Pump | Godwin Pumps | |
| 10/22/2010 | 1 | Each | Buytl Rope | Dunbar Concrete | |
| 10/22/2010 | 1 | Each | Fabricated Manhole Cover | O'Neal Steel | |
| 10/22/201 | 2 | Rolls | SKAPS Demarcation Fabric | IWT Cargoguard | |

Sheeting:

| Date | Quantity | Units | Type | Length (ft) |
|------|----------|-------|------|-------------|
|------|----------|-------|------|-------------|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued installation of steel sheet piling in building 6 area.
- Completed sheet piling along Carbon Place.
- Inspecting crack monitors at Honda dealership on a daily basis, no issues to date.
- 39 trucks lined and loaded for offsite disposal of hazardous soil.
- Continued excavation in building 5 for hazardous soil.
- Initiated development of the building 5 area.
- Performed necessary vacuum testing of manholes 5-4 and 5-5. Approval to initiate discharge of waste water starting on Monday, 10/25/2010 was granted by JCMUA.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|---------------|-----------------|-------------|--------------------|
| To Date | 425 | 67116 | 67116 |
| Pre 9/27/10 | 108 | 23249 | |
| Since 9/27/10 | 317 | 43867 | |
| 10/22/2010 | 7 | 1157 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | 10/6/2010 |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | Air Pavement Breaker | 10/7/2010 | |
| 1 | Air Chipping Gun with Chisels | 10/7/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES:

- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

October 25, 2010

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------------|---------------------|------------------|------------------|----------------|
| 10/25/2010 | Partly Cloudy | 0 | 54-75 | 0-17 | NNE-SW-S |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|--------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 10/25/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 10/25/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 10/25/2010 | Moretrench | Well Installation | | | | | 3 | 24 |
| 10/25/2010 | Giannos | Electrical Subcontractor | | | | | 2 | 16 |
| 10/25/2010 | Kenyon | Surveying | | | | | 1 | 8 |
| 10/25/2010 | Aercon | Trucking & Disposal | 1 | 1 | | | 2 | 20 |
| 10/25/2010 | SES | Excavation/Backfill | 4 | 38 | | | 21 | 194 |
| Totals | Totals | | 10 | 81 | 1 | 8 | | 262 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 10/25/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:**Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:**

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues:

- Continued work on the dewatering system in the building 5 area.
- Connected 3 deep wells to the temporary WTP.
- Initiated discharging treated water to man hole 5-3.
- Continued development of the observation wells 5-1 thru 5-5 and turned the pumps on.
- Initiated extraction of groundwater.

WASTE MANAGEMENT/DISPOSAL:***Hazardous Material Shipped Summary:***

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 10/25/10 | 40 | Horwith | Haz Soil | 1006.08 | 5,718.43 | 25.15 | 56 | US Ecology |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:***Backfill:***

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
| | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-------|--------------------|--------------|-----|
| 10/25/2010 | 144 | Each | Nitrile Gloves | Dival Safety | |
| 10/25/2010 | 24 | Each | Black Frame Lenses | Dival Safety | |
| 10/25/2010 | 4 | Each | Lined Rain Suits | Dival Safety | |
| 10/25/2010 | 4 | Each | Overshoe Boots | Dival Safety | |
| 10/25/2010 | 4 | Each | Safety Vests | Dival Safety | |

Sheeting:

| Date | Quantity | Units | Type | Length (ft) |
|------|----------|-------|------|-------------|
|------|----------|-------|------|-------------|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued installation of steel sheet piling in building 6 area.
- Inspecting crack monitors at Honda dealership on a daily basis, no issues to date.
- 40 trucks lined and loaded for offsite disposal of hazardous soil.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|---------------|-----------------|-------------|--------------------|
| To Date | 450 | 71250 | 71250 |
| Pre 9/27/10 | 108 | 23249 | |
| Since 9/27/10 | 342 | 48001 | |
| 10/25/2010 | 25 | 4134 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | 10/25/2010 |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | 10/6/2010 |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | Air Pavement Breaker | 10/7/2010 | |
| 1 | Air Chipping Gun with Chisels | 10/7/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES:

- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- Giannos Electric was on site to disconnect the Hertz generator from the trailer area.
- PSE&G was on site to connect service in the trailer area.

VISITORS ONSITE:

- Brent O'Dell

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

October 26, 2010

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------------|---------------------|------------------|------------------|----------------|
| 10/26/2010 | Partly Cloudy | 0 | 63-73 | 1-10 | NNE-SW-S |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|--------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 10/26/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 10/26/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 10/26/2010 | Moretrench | Well Installation | | | | | 3 | 24 |
| 10/26/2010 | Giannos | Electrical Subcontractor | | | | | 2 | 16 |
| 10/26/2010 | Kenyon | Surveying | | | | | 1 | 8 |
| 10/26/2010 | Aercon | Trucking & Disposal | | | | | 2 | 20 |
| 10/26/2010 | Lore Sweeping | Power Sweeping | | | | | 1 | 1 |
| 10/26/2010 | SES | Excavation/Backfill | 5 | 50 | | | 24 | 236 |
| Totals | Totals | | 10 | 92 | 1 | 8 | 33 | 305 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 10/26/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

DAILY WATER TREATMENT OPERATIONS:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent</u> | | | Hours Treated |
|------------|---------------------------|-----------|-------------------|-----------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 10/26/2010 | 96 | 28,616 | 28,520 | 29,000 | 28,520 | 28,250 | 16.5 |

Wastewater Treatment Plant Comments/Issues:

- Continued development of deep wells 6-1 and 6-2.
- Completed installing pumps in deep wells for building 5.
- Giannos Electric connected overhead line for service to the WWTP.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 10/26/2010 | 40 | Horwith | Haz Soil | 1005.35 | 6,723.78 | 25.13 | 58 | US Ecology |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| None | | | | | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|---------|----------------|-------------|-----|
| 10/26/2010 | 500 | Gallons | B20 Bio Diesel | Taylor Oil | |

Sheeting:

| Date | Quantity | Units | Type | Length (ft) |
|------|----------|-------|------|-------------|
|------|----------|-------|------|-------------|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued installation of steel sheet piling in building 6 area.
- Inspecting crack monitors at Honda dealership on a daily basis, no issues to date.
- 40 trucks lined and loaded for offsite disposal of hazardous soil.
- Began removing asphalt from building 5 area and stockpiling for offsite disposal.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|---------------|-----------------|-------------|--------------------|
| To Date | 473 | 75053 | 75053 |
| Pre 9/27/10 | 108 | 23249 | |
| Since 9/27/10 | 365 | 51804 | |
| 10/26/2010 | 23 | 3803 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | 10/25/2010 |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | 10/6/2010 |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | 60 foot boom | 9/13/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | Air Pavement Breaker | 10/7/2010 | |
| 1 | Air Chipping Gun with Chisels | 10/7/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES:

- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- Kenyon Surveying was on site to reconfirm controls and to take elevations on observation and deep wells.
- Lore Sweeping performed power brooming on job site.

VISITORS ONSITE:

- Ed Gaven
- Margaret Bonaker

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

October 27, 2010

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|-------------------|---------------------|------------------|------------------|----------------|
| 10/27/2010 | Rain, then cloudy | 0.23 | 71-75 | 4-12 | SSW-SW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|--------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 10/27/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 10/27/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 10/27/2010 | Moretrench | Well Installation | | | | | 3 | 24 |
| 10/27/2010 | Giannos | Electrical Subcontractor | | | | | 2 | 8 |
| 10/27/2010 | Kenyon | Surveying | | | | | 1 | 8 |
| 10/27/2010 | Aercon | Trucking & Disposal | | | | | 2 | 19 |
| 10/27/2010 | SES | Excavation/Backfill | 5 | 50 | | | 24 | 214 |
| Totals | Totals | | 10 | 92 | 1 | 8 | 32 | 273 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 10/27/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues:

- Moretrench continued the development of observation wells OW6-1 thru OW 6-5.
- Kenyon Surveying was on site to shoot well elevations.

DAILY WATER TREATMENT OPERATIONS:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent</u> | | | Hours Treated |
|------|---------------------------|-----------|-------------------|-----------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| | | | | | | | |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 10/27/2010 | 40 | Horwith | Haz Soil | 1017.13 | 7,740.91 | 25.43 | 50 | US Ecology |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite | Disposal Facility |
|------------|------------|---------------|------------------|------------------|--------------------|--------------------|---------------------------|-------------------|
| 10/27/2010 | 15 | Rebco/Veniero | Non-Haz Soil | 384.4 | 384.4 | 25.63 | 22 | NJMC |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

Sheeting:

| Date | Quantity | Units | Type | Length (ft) |
|------|----------|-------|------|-------------|
|------|----------|-------|------|-------------|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Completed installation of steel sheet piling in building 6 area.
- Inspecting crack monitors at Honda dealership on a daily basis, no issues to date.
- 40 trucks lined and loaded for offsite disposal of hazardous soil.
- Initiated non-hazardous excavation in the building 5 area to prepare for tie back installation.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|---------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| Since 9/27/10 | 372 | 52961 | |
| 10/27/2010 | 7 | 1157 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | 10/25/2010 |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | 10/6/2010 |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | 10/28/2010 |
| 1 | 60 foot boom | 9/13/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | Air Pavement Breaker | 10/7/2010 | |
| 1 | Air Chipping Gun with Chisels | 10/7/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES:

- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- Kenyon Surveying installed deformation points on the Raymore & Flanigan building.
- All sheeting has been completed except for the area around the active sanitary sewer.

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

October 28, 2010

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|--------------------|---------------------|------------------|------------------|----------------|
| 10/28/2010 | AM fog, then clear | 0 | 63-75 | 2-21 | SW-SSW-WSW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|--------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 10/28/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 10/28/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 10/28/2010 | Moretrench | Well Installation | | | | | 3 | 24 |
| 10/28/2010 | Giannos | Electrical Subcontractor | | | | | 2 | 16 |
| 10/28/2010 | Aercon | Trucking & Disposal | 1 | 3 | | | 2 | 22 |
| 10/28/2010 | SES | Excavation/Backfill | 5 | 50 | | | 24 | 215 |
| Totals | Totals | | 11 | 95 | 1 | 8 | 31 | 277 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 10/28/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues:

- The deep wells and observation wells in the building 5 and 6 areas are complete.
- Giannos Electric was on site to run wiring to the building 6 area for the dewatering pumps.

DAILY WATER TREATMENT OPERATIONS:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent</u> | | | Hours Treated |
|------------|---------------------------|-----------|-------------------|-----------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 10/28/2010 | 134,379 | 240,990 | 106,611 | 107,000 | 106,611 | 240,894 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 10/28/2010 | 40 | Horwith | Haz Soil | 1008.13 | 8,749.04 | 25.20 | 62 | US Ecology |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 10/28/2010 | 40 | Rebco/Veniero | Non-Haz Soil | 1007.09 | 1391.49 | 25.18 | 27 | NJMC |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------------|-------------|---------------|----------|
| 10/28/2010 | Armored | Common borrow | 118 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|---------|-----------------------|-----------------|-----|
| 10/28/2010 | 50 | Each | 50 Micron Bag Filters | Trumpler Clancy | |
| 10/28/2010 | 50 | Each | 25 Micron Bag Filters | Trumpler Clancy | |
| 10/28/2010 | 2 | Bottles | Calibration Gas | Dival Safety | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Demobilized piling equipment and crew.
- Inspecting crack monitors at Honda dealership on a daily basis, no issues to date.
- Initiated excavating hazardous soil from the Mallory corridor.
- Continued the non-hazardous excavation in the building 5 area to prepare for tieback installation.
- 40 trucks lined and loaded for offsite disposal of hazardous soil.
- 40 trucks loaded for offsite disposal of non-hazardous soil.
- Sizing below grade concrete foundations in the building 5 area.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|---------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| Since 9/27/10 | 372 | 52961 | |
| 10/28/2010 | 0 | 0 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | 10/25/2010 |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | 10/6/2010 |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | 10/28/2010 |
| 1 | 60 foot boom | 9/13/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | Air Pavement Breaker | 10/7/2010 | |
| 1 | Air Chipping Gun with Chisels | 10/7/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES:

- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm.
- A total of 11 personnel were released from the job site today, 10/28/2010. Some personnel are expected to return on 11/29/2010.

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

October 29, 2010

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|--------------|---------------------|------------------|------------------|----------------|
| 10/29/2010 | Mostly Clear | 0 | 52-56 | 3-19 | WNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 10/29/2010 | MACTEC | CM | 4 | 32 | 1 | 4 | | |
| 10/29/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 10/29/2010 | Aercon | Trucking & Disposal | | | | | 2 | 19 |
| 10/29/2010 | SES | Excavation/Backfill | 4 | 33 | | | 14 | 109 |
| Totals | Totals | | 9 | 75 | 1 | 4 | 16 | 128 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 10/29/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues:
DAILY WATER TREATMENT OPERATIONS:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent (approx.)</u> | | | Hours Treated |
|------------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 10/29/2010 | 240,990 | 371,975 | 130,985 | 130,985 | 130,985 | 371,879 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 10/29/2010 | 0 | N/A | N/A | 0 | 8,749.04 | N/A | N/A | N/A |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 10/29/2010 | 44 | Rebco/Veniero | Non-Haz Soil | 1126.96 | 2518.45 | 25.61 | 23 | NJMC |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Inspecting crack monitors at Honda dealership on a daily basis, no issues to date.
- Continued the non-hazardous excavation in the building 5 area to prepare for tieback installation.
- 44 trucks loaded for offsite disposal of non-hazardous soil.
- Sizing below grade concrete foundations in the building 5 area.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|---------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| Since 9/27/10 | 372 | 52961 | |
| 10/29/2010 | 0 | 0 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | 10/25/2010 |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | 10/6/2010 |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | 10/28/2010 |
| 1 | 60 foot boom | 9/13/2010 | 10/29/2010 |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | Air Pavement Breaker | 10/7/2010 | |
| 1 | Air Chipping Gun with Chisels | 10/7/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES:

- PSE&G verified verbally that the 4" high pressure gas line at the SE corner of site is not in service. PSE&G to issue formal letter to confirm. Line was removed by SES to process excavation.

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

November 1, 2010

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 11/1/2010 | Clear | 0 | 38-50 | 2-11 | NW-NNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|--------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 11/1/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 11/1/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 11/1/2010 | Aercon | Trucking & Disposal | | | | | 2 | 17 |
| 11/1/2010 | Giannos | Electrical Subcontractor | | | | | 3 | 24 |
| 11/1/2010 | Moretrench | Well Installation | | | | | 3 | 24 |
| 11/1/2010 | Kenyon | Surveying | | | | | 1 | 8 |
| 11/1/2010 | SES | Excavation/Backfill | 4 | 39 | | | 13 | 105 |
| Totals | Totals | | 9 | 81 | 1 | 8 | 22 | 178 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------------|-----------|-----------|
| 11/1/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues:
DAILY WATER TREATMENT OPERATIONS:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent (approx.)</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 11/1/2010 | 566,340 | 659,350 | 93,010 | 98,000 | 93,010 | 659,254 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/1/2010 | None | | | | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/1/2010 | 45 | Rebco/Veniero | Non-Haz Soil | 1145.86 | 3664.31 | 25.46 | 23 | NJMC |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued the non-hazardous excavation in the building 5 area to prepare for tieback installation.
- 45 trucks loaded for offsite disposal of non-hazardous soil.
- Continued welding HDPE/PVC discharge piping in the building 6 area to WWTP.
- Continued breaking and sizing concrete obstructions in the building 5 area for future load out.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| Since 11/1/10 | 0 | 0 | |
| 11/1/2010 | 0 | 0 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | 10/25/2010 |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | 10/6/2010 |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | 10/28/2010 |
| 1 | 60 foot boom | 9/13/2010 | 10/29/2010 |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | Air Pavement Breaker | 10/7/2010 | |
| 1 | Air Chipping Gun with Chisels | 10/7/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES:

- SES directed to stage excavated suspect material in the hazardous stock pile.
- Giannos was on site for the wiring of building 6 deep wells.
- Moretrench was on site to test the deep wells.
- KSS was on site to survey excavation bottom contours.

VISITORS ONSITE:

- Brent O'Dell
- Joe Clifford
- Bill Soukop

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

November 2, 2010

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 11/2/2010 | Clear | 0 | 32 - 42 | 1 - 9 | NNE - N |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 11/2/2010 | MACTEC | CM | 4 | 36 | 1 | 8 | | |
| 11/2/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 11/2/2010 | Aercon | Trucking & Disposal | | | | | 2 | 16 |
| 11/2/2010 | Moretrench | Well Installation | | | | | 7 | 50 |
| 11/2/2010 | Venerio | Trucking | | | | | 1 | 8 |
| 11/2/2010 | SES | Excavation/Backfill | 5 | 46 | | | 13 | 105 |
| Totals | Totals | | 10 | 92 | 1 | 8 | 23 | 179 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------------|-----------|-----------|
| 11/2/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------|-----------|----------|--------------|--|-------------------------------------|
| | | | | | |

Wastewater Treatment Plant Comments/Issues:

- none

DAILY WATER TREATMENT OPERATIONS:

| Date | Flow Meter Reading | | | Influent (approx.) | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 11/2/2010 | 659,350 | 751,250 | 91,900 | 93,000 | 91,900 | 751,154 | 24 |

WASTE MANAGEMENT/DISPOSAL:

Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/2/2010 | None | | | | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/2/2010 | None | | | | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
| | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|----------------|-------------|-----|
| 11/2/2010 | 459 | Gal | B-20 Biodiesel | Taylor Oil | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued the non -haz excavation in Bldg 5. In preparation for the Tieback installation. (0 loads of non-haz Material)
- Continued Hazardous material excavation in Bldg. 5 area (Loaded & Hauled to Hazardous Stockpile)
- Removed asphalt and concrete in Bldg. 5 in Non Haz & Re-use areas.
- Continued welding HDPE / PVC discharge piping in Bldg. 6 to WWTP.
- Continued breaking and sizing concrete obstructions in the Bldg. 5 area for future load out.
- Demobilized Moretrench deep well installation equipment

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| Since 11/1/10 | 0 | 0 | |
| 11/2/2010 | 0 | 0 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | 10/25/2010 |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | 10/6/2010 |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | 10/28/2010 |
| 1 | 60 foot boom | 9/13/2010 | 10/29/2010 |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | Air Pavement Breaker | 10/7/2010 | |
| 1 | Air Chipping Gun with Chisels | 10/7/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES:

- SES directed to stage excavated building 5 suspect material in the hazardous stock pile.

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

November 3, 2010

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 11/3/2010 | Clear | 0.00 | 38 - 54 | 1 - 12 | NE-N-SW-SE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 11/3/2010 | MACTEC | CM | 4 | 32 | | | | |
| 11/3/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 11/3/2010 | Aercon | Trucking & Disposal | | | | | 2 | 16 |
| 11/3/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 32 |
| 11/3/2010 | SES | Excavation/Backfill | 5 | 44 | | | 15 | 105 |
| Totals | Totals | | 10 | 86 | 0 | 0 | 22 | 161 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------------|-----------|-----------|
| 11/3/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³
- TWA(15) reading above 100 µg/m³ at MD-3 at 10:32 no specific cause determined; next reading back down to 35 µg/m³. Trucks were being loaded nearby. Contractor advised to maintain dust control measures.
- TWA(15) reading above 60 µg/m³ at MD-2 at 7:15 no cause determined; work had not yet started.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|-----------|-------------------|----------------|--------------|--|-------------------------------------|
| 11/3/2010 | 184-TW-001-110310 | Total Chromium | pending | | |
| | | | | | |

Wastewater Treatment Plant Comments/Issues:

- PVSC onsite and collected split sample for compliance sampling

Daily Wastewater Treatment Plant Operations

| <u>Flow Meter Reading</u> | | | | <u>Influent (approx.)</u> | | | |
|---------------------------|-------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| Date | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | Hours Treated |
| 11/3/2010 | 751,250 | 843,250 | 92,000 | 93,000 | 92,000 | 843,154 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/3/2010 | None | | | | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/3/2010 | 40 | Rebco/Veniero | Non-Haz Soil | 1019.7 | 4684.01 | 25.49 | 19 | NJMC |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
| | | | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
| | | | | | |

EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued the Non - Haz excavation in Bldg 5. to prepare for the Tieback installation. (40 loads of Non Haz Material for a daily total of 1,019.70Tons/ 680 Cy)
- Continued Hazardous material excavation in Bldg. 5 (Loaded & Hauled to Hazardous Stockpile)
- Removed asphalt and stockpiled onsite for recycling
- Completed welding HDPE / PVC dewatering well discharge piping in Bldg. 6 to WWTP
- Began pumping from dewatering wells in bldg. 6
- Powerwashed sheetpiles in Bldg. 5 in order to minimize the risk of any chromium contamination while welding wales and seats.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| Since 11/1/10 | 0 | 0 | |
| 11/3/2010 | 0 | 0 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | 10/25/2010 |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | 10/6/2010 |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | 10/28/2010 |
| 1 | 60 foot boom | 9/13/2010 | 10/29/2010 |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | Air Pavement Breaker | 10/7/2010 | |
| 1 | Air Chipping Gun with Chisels | 10/7/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES:

- SES directed to stage excavated building 5 suspect material in the hazardous stock pile.

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

November 4, 2010

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 11/4/2010 | Rain | 0.97 | 47-49 | 2-14 | E-NNE-N |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 11/4/2010 | MACTEC | CM | 4 | 32 | | | | |
| 11/4/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 11/4/2010 | Aercon | Trucking & Disposal | | | | | 2 | 19 |
| 11/4/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 12 |
| 11/4/2010 | Vaniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 11/4/2010 | Kenyon | Surveying | | | | | 1 | 8 |
| 11/4/2010 | SES | Excavation/Backfill | 5 | 47 | | | 13 | 105 |
| Totals | Totals | | 10 | 89 | 0 | 0 | 22 | 160 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------------|-----------|-----------|
| 11/4/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³
- Monitoring suspended due to rain.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|-----------|-------------------|----------------|--------------|--|-------------------------------------|
| 11/3/2010 | 184-TW-001-110310 | Total Chromium | Pending | | |

Wastewater Treatment Plant Comments/Issues:
Daily Wastewater Treatment Plant Operations

| Date | Flow Meter Reading | | | Influent (approx.) | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 11/4/2010 | 843,250 | 941,870 | 98,620 | 100,000 | 98,620 | 941,774 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/4/2010 | None | | | | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/4/2010 | 25 | Rebco/Veniero | Non-Haz Soil | 634.32 | 5318.33 | 25.3728 | 19 | NJMC |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 11/4/2010 | Armored | Common borrow | 341.73 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
| | | | | | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued the Non-Hazardous excavation in building 5 area to prepare for the Tieback installation. (25 loads of Non-Hazardous material for a daily total of 634.32 tons/ 446 Cy)
- Continued Hazardous material excavation in the Non-Hazardous area of building 5. (Loaded & hauled to Hazardous Stockpile)
- Removed asphalt and stockpiled onsite for recycling.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| Since 11/1/10 | 0 | 0 | |
| 11/4/2010 | 0 | 0 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 3 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Generator (Hertz) | 8/12/2010 | 10/25/2010 |
| 1 | Komatsu D37 Dozer (Binder Equip) | 8/16/2010 | 10/6/2010 |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | 10/28/2010 |
| 1 | 60 foot boom | 9/13/2010 | 10/29/2010 |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | Air Pavement Breaker | 10/7/2010 | |
| 1 | Air Chipping Gun with Chisels | 10/7/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WA 370 Loader | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 1 | D6 Dozer | 9/21/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | Power Washer | 9/29/2010 | |

GENERAL COMMENTS/ISSUES:

- SES directed to stage excavated building 5 suspect material in the hazardous stock pile.
- Kenyon Surveying was on site to verify excavation activities.

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

November 5, 2010

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|-------------------|---------------------|------------------|------------------|----------------|
| 11/5/2010 | Rain, then cloudy | 0.04 | 46-52 | 1-14 | NW-W |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 11/5/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 11/5/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 11/5/2010 | Aercon | Trucking & Disposal | | | | | 2 | 19 |
| 11/5/2010 | Moretrench | Wells & Tiebacks | | | | | 3 | 32 |
| 11/5/2010 | Vaniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 11/5/2010 | SES | Excavation/Backfill | 5 | 40 | | | 13 | 105 |
| Totals | Totals | | 10 | 82 | 1 | 8 | 20 | 172 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------------|-----------|-----------|
| 11/5/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|-----------|-------------------|----------------|--------------|--|-------------------------------------|
| 11/3/2010 | 184-TW-001-110310 | Total Chromium | pending | | |

Wastewater Treatment Plant Comments/Issues:
Daily Wastewater Treatment Plant Operations

| Date | <u>Flow Meter Reading</u> | | | <u>Influent (approx.)</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 11/5/2010 | 941,870 | 1,035,900 | 94,030 | 130,000 | 94,030 | 1,035,804 | 14 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/5/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/5/2010 | 24 | Rebco/Veniero | Non-Haz Soil | 614.28 | 5932.61 | 25.60 | 18 | NJMC |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|---------|---------------|-------------|-----|
| 11/5/2010 | 320 | Gallons | B20 Biodiesel | Taylor Oil | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Completed the first layer of non-hazardous excavation in the building 5 area.
- Relocated building 5 deep well.
- Removed building 5 asphalt and stockpiled on site for recycling.
- Pressure washed the front face of sheet pile to provide a clean surface for the installation of the tie back walers.
- Continued dewatering operations in the buildings 5, 6 and 7 areas. Discharge to sewer approximately 90gpm for 7 deep wells.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| Since 11/1/10 | 0 | 0 | |
| 11/5/2010 | 0 | 0 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 1 | 2 Power Washers | 9/29 & 11/3/2010 | |

GENERAL COMMENTS/ISSUES:

- SES directed to stage excavated building 5 suspect materials in the hazardous stock pile.
- Paramount Exterminating was on site for the monthly maintenance of rodent control traps around the perimeter of the job site.
- Over the weekend, a leak was noticed from building 6 dewatering piping to the WWTP. The pumps were immediately shut down. All water was directed to the building 6 excavation per design. The cause of the leak is currently being investigated.

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

November 8, 2010

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|-------------------------------|---------------------|------------------|------------------|----------------|
| 11/8/2010 | Cloudy, Windy, Scattered Rain | 0.01 | 42-46 | 6-23 | NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 11/8/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 11/8/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 11/8/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 32 |
| 11/8/2010 | Kenyon | Surveying | | | | | 1 | 8 |
| 11/8/2010 | Vaniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 11/8/2010 | SES | Excavation/Backfill | 5 | 40 | | | 13 | 105 |
| Totals | Totals | | 10 | 82 | 1 | 8 | 19 | 153 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------------|-----------|-----------|
| 11/8/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|-----------|-------------------|----------------|--------------|--|-------------------------------------|
| 11/3/2010 | 184-TW-001-110310 | Total Chromium | pending | | |

Wastewater Treatment Plant Comments/Issues:

- Over the weekend, a leak in the building 6 dewatering piping to the WWTP was identified. The pumps were immediately shut down. All water was directed to the building 6 excavation through the secondary containment piping. The cause of the leak is under repair.

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent (approx.) | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 11/6/2010 | 1,035,900 | 1,168,820 | 132,920 | 103,000 | 132,920 | 1,168,724 | 24 |
| 11/7/2010 | 1,168,820 | 1,266,855 | 98,035 | 103,000 | 98,035 | 1,266,759 | 24 |
| 11/8/2010 | 1,266,855 | 1,340,548 | 73,693 | 104,000 | 73,693 | 1,340,452 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/8/2010 | None | | | | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/8/2010 | None | | | | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:
Backfill:

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Excavated and stock piled re-use material to elevation 8 in the building 5 area. (Removed a total to date of 68 loads for an estimated 1,360 tons or 906 cy)
- Excavated and stock piled sub-base. This material will be segregated from the asphalt material and shipped off site separately.
- Repaired 4" PVC piping from building 6 to WWTP.
- Continued dewatering operations in the building 5 excavation area.
- Moretrench installed two tie back walers.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| Since 11/1/10 | 0 | 0 | |
| 11/8/2010 | 0 | 0 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|-----------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |

GENERAL COMMENTS/ISSUES:

- SES directed to stage excavated building 5 suspect materials in the hazardous stock pile.
- Installation of flow meters for buildings 5 and 6 will be scheduled in the coming week.
- Kenyon Surveying was on site to check excavation limits, settlement monitoring points and layout of PCB concrete slab areas.
- Moretrench mobilized drill rig on site.

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

November 9, 2010

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 11/9/2010 | Clear | 0 | 41-56 | 2-17 | N |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|--------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 11/9/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 11/9/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 11/9/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 32 |
| 11/9/2010 | Giannos | Electrical Subcontractor | | | | | 1 | 4 |
| 11/9/2010 | Vaniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 11/9/2010 | SES | Excavation/Backfill | 5 | 43 | | | 12 | 97 |
| Totals | Totals | | 10 | 85 | 1 | 8 | 18 | 141 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------------|-----------|-----------|
| 11/9/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|-----------|-------------------|----------------|--------------|--|-------------------------------------|
| 11/3/2010 | 184-TW-001-110310 | Total Chromium | pending | | |

Wastewater Treatment Plant Comments/Issues:
Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent (approx.)</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 11/9/2010 | 1,340,548 | 1,430,610 | 90,062 | 92,000 | 90,062 | 1,430,514 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/9/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/9/2010 | | | | | None | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|---------|--------------------------|-------------|-----|
| 11/9/2010 | 13 | Pallets | Portland Cement Type 1/2 | Moretrench | |
| 11/9/2010 | 461 | Gallons | B20 Biodiesel | Taylor Oil | |

EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Excavated re-use material to elevation 8 in the building 5 area. This material is being stock piled in the previously excavated South East area of building 5. (Daily total of 50 loads of re-use material for an estimated 1,000 tons or 702Cy)
- Excavated and stock piled 8 loads of clean stone with asphalt coating. This material will be segregated from the asphalt material and shipped off-site separately.
- Excavated and stock piled 1 load of hazardous soil.
- Repaired leak in the piping from building 6 to the WWTP.
- Continued dewatering operations in the building 5 excavation area.
- Moretrench installed 3 walers. A total of 8 out of 16 have been installed to date.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| Since 11/1/10 | 0 | 0 | |
| 11/9/2010 | 0 | 0 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |

GENERAL COMMENTS/ISSUES:

- SES directed to stage excavated building 5 suspect materials in the hazardous stock pile.
- Giannos Electric was on site to prepare for the arrival of PSE&G for temporary electric to the WWTP.

VISITORS ONSITE:

- Kim Bell Hosea

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

November 10, 2010

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------------|---------------------|------------------|------------------|----------------|
| 11/10/2010 | Partly Cloudy | 0 | 48-58 | 2-15 | N-NNE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|--------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 11/10/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 11/10/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 11/10/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 32 |
| 11/10/2010 | Giannos | Electrical Subcontractor | | | | | 1 | 4 |
| 11/10/2010 | Lore Sweeping | Brooming Subcontractor | | | | | 1 | 4 |
| 11/10/2010 | Vaniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 11/10/2010 | SES | Excavation/Backfill | 5 | 45 | | | 12 | 99 |
| Totals | Totals | | 10 | 87 | 1 | 8 | 19 | 147 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 11/10/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|-----------|-------------------|----------------|--------------|--|-------------------------------------|
| 11/3/2010 | 184-TW-001-110310 | Total Chromium | pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas. Building 5 is operating at 50gpm and building 6 is operating at 9gpm.

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent (approx.) | | | Hours Treated |
|------------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 11/10/2010 | 1,430,610 | 1,511,426 | 80,816 | 82,000 | 80,816 | 1,511,330 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/10/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/10/2010 | | | | | None | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Excavated re-use material to elevation 8 in building 5. This material is being stock piled in previously excavated South East area of building 5. (Removed a daily total of 70 loads of re-use material for an estimated 1,400 tons or 983Cy)
- Excavated and stock piled 11 loads of sub-base (clean stone with asphalt coating). This material will be segregated from the asphalt and shipped off-site separately.
- Excavated and stock piled 24 loads of hazardous soil. 337 Cy from the Mallory corridor in preparation for the sanitary sewer connection to Home Depot.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| Since 11/1/10 | 0 | 0 | |
| 11/10/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- PSE&G was on site to lower lighting and install the transformer along WWTP in order to run a line for temporary electric service.
- Giannos was on site to assist PSE&G.
- Lore Sweeping performed brushing of job site.
- Moretrench installed 2 walers today for a total of 10 out of 16.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |

GENERAL COMMENTS/ISSUES:

- SES directed to stage excavated building 5 suspect materials in the hazardous stock pile.

VISITORS ONSITE:

- Joe Clifford

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

November 11, 2010

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|------------------------|---------------------|------------------|------------------|----------------|
| 11/11/2010 | Partly Cloudy to Clear | 0 | 40-58 | 1-11 | NNE-NNW-N |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 11/11/2010 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 11/11/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 11/11/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 32 |
| 11/11/2010 | Vaniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 11/11/2010 | SES | Excavation/Backfill | 5 | 45 | | | 12 | 99 |
| Totals | Totals | | 9 | 79 | 1 | 8 | 17 | 139 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 11/11/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|-----------|-------------------|----------------|--------------|--|-------------------------------------|
| 11/3/2010 | 184-TW-001-110310 | Total Chromium | pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas. Building 6 is at 5.36 gpm.

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent (approx.) | | | Hours Treated |
|------------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 11/11/2010 | 1,511,426 | 1,595,646 | 84,220 | 85,000 | 84,220 | 1,595,550 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/11/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/11/2010 | | | | None | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|--------|---------------|------------------|-----|
| 11/11/2010 | 1 | Pallet | Poly Sheeting | Triboro Hardware | |

EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Excavated re-use material to elevation 8 in the building 5 area. This material is being stock piled in the previously excavated South East area of building 5. (Removed a daily total of 77 tons or 1081 Cy)
- Excavated and stock piled 2 loads of sub-base (clean stone with asphalt coating). This material will be segregated from the asphalt material and shipped off-site separately.
- Excavated and stock piled 26 load of hazardous soil. 280 Cy from the Mallory corridor in preparation for the sanitary sewer connection to Home Depot.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| Since 11/1/10 | 0 | 0 | |
| 11/11/2010 | 0 | 0 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Moretrench installed 3 walers today for a total of 13 out of 16.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |

GENERAL COMMENTS/ISSUES:

- SES directed to stage excavated building 5 suspect materials in the hazardous stock pile.

VISITORS ONSITE:

- Joe Clifford

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

November 12, 2010

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------|---------------------|------------------|------------------|----------------|
| 11/12/2010 | Clear | 0 | 40-64 | 1-9 | NE-NNW-N |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|--------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 11/12/2010 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 11/12/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 11/12/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 32 |
| 11/12/2010 | Vaniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 11/12/2010 | Giannos | Electrical Subcontractor | | | | | 1 | 6 |
| 11/12/2010 | SES | Excavation/Backfill | 5 | 40 | | | 12 | 96 |
| Totals | Totals | | 9 | 74 | 1 | 8 | 18 | 142 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 11/12/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|-------------------|----------------|--------------|--|-------------------------------------|
| 11/3/2010 | 184- TW-01-110310 | Total Chromium | pending | | |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas. (Building 5 – daily average of 48 gpm, Building 6 – daily average of less than 5 gpm)
- HACH test performed today, 11/12/2010. The results on the discharged water were non-detectable for Cr VI.

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent | | | Hours Treated |
|------------|--------------------|-----------|-------------------|-----------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 11/12/2010 | 1,595,646 | 1,675,057 | 79,411 | 80,000 | 79,411 | 1,674,961 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/12/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/12/2010 | | | | None | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|---------|-----------------------|------------------|-----|
| 11/12/2010 | 460 | Gallons | B20 Biodiesel | Taylor Oil | |
| 11/12/2010 | 600 | Feet | Poly Propylene Rope | Triboro Hardware | |
| 11/12/2010 | 1 | Each | Colorimeter for Cr VI | Hach Company | |

EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Initiated removal of surface asphalt in the building 6 area. This material was stockpiled separately for sampling.
- Excavated and stock piled 6 load of hazardous soil. 84 Cy from the Mallory corridor in preparation for the sanitary sewer connection to Home Depot.
- Hauled 15 loads of concrete from the Mallory corridor. This material will be stockpiled for re-use.
- Prepared the drilling platform for Moretrench in order to initiate installation of the tie backs.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| Since 11/1/10 | 0 | 0 | |
| 11/12/2010 | 0 | 0 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Moretrench installed 3 walers. 16 out of 16 walers have been installed to date.
- Giannos was on site to prepare for online installation of WWTP electric service.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

November 15, 2010

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------------|---------------------|------------------|------------------|----------------|
| 11/15/2010 | Mostly Cloudy | 0 | 52-60 | 1-8 | E-ENE-N-ESE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|--------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 11/15/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 11/15/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 11/15/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 32 |
| 11/15/2010 | Vaniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 11/15/2010 | Giannos | Electrical Subcontractor | | | | | 2 | 16 |
| 11/15/2010 | SES | Excavation/Backfill | 4 | 32 | | | 12 | 96 |
| Totals | Totals | | 9 | 74 | 1 | 8 | 19 | 152 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 11/15/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|-------------------|----------------|--------------|--|-------------------------------------|
| 11/3/2010 | 184- TW-01-110310 | Total Chromium | pending | | |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas. (Building 5 – daily average of 55 gpm, Building 6 – daily average of 0 gpm)

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent</u> | | | Hours Treated |
|------------|---------------------------|-----------|-------------------|-----------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 11/13/2010 | 1,675,057 | 1,765,294 | 90,237 | 71,650 | 90,237 | 1,765,198 | 24 |
| 11/14/2010 | 1,765,294 | 1,886,737 | 121,443 | 70,010 | 121,443 | 1,886,641 | 24 |
| 11/15/2010 | 1,886,737 | 1,976,011 | 89,274 | 67,520 | 89,274 | 1,975,915 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/15/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/15/2010 | | | | | None | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-------|-------------------|-------------|-----|
| 11/15/2010 | 1 | Load | Struts and Braces | K&E | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued the removal of surface asphalt in the building 6 area. This material was stockpiled separately for sampling.
- Completed excavation of the Mallory corridor in preparation for the HD sanitary sewer installation. Excavated and stock piled 12 loads (168 Cy) of hazardous soil.
- Hauled 14 loads of concrete from the Mallory corridor. This material will be stockpiled for re-use.
- Installed sump in the building 5 area with a 3" pump managing hazardous stock pile.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| Since 11/1/10 | 0 | 0 | |
| 11/15/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Moretrench was on site to complete the installation of walers and set up for the start of the tie back installation.
- Giannos Electric disconnected the gen set and transfer service to the PSE&G service.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

November 16, 2010

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|-------------------|---------------------|------------------|------------------|----------------|
| 11/16/2010 | Scattered Showers | 0.40 | 52-56 | 0-8 | ESE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 11/16/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 11/16/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 11/16/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 32 |
| 11/16/2010 | Vaniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 11/16/2010 | Kenyon | Surveying | | | | | 1 | 8 |
| 11/16/2010 | SES | Excavation/Backfill | 5 | 40 | | | 12 | 96 |
| Totals | Totals | | 10 | 82 | 1 | 8 | 18 | 144 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 11/16/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|-------------------|----------------|--------------|--|-------------------------------------|
| 11/3/2010 | 184- TW-01-110310 | Total Chromium | 4.02 | 0.941 | 3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas. (Building 5 – daily average of 47.5 gpm, Building 6 – daily average of 9.5 gpm)

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent | | | Hours Treated |
|------------|--------------------|-----------|-------------------|-----------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 11/16/2010 | 1,976,011 | 2,085,276 | 109,265 | 78,700 | 109,265 | 2,085,180 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/16/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/16/2010 | | | | | None | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------------|-------------|---------------|----------|
| 11/16/2010 | Armored | Common borrow | 151.46 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-------|---------------------|-------------|-----|
| 11/16/2010 | 2 | Loads | No. 67 Stone (5/8") | Tilcon | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Removed and stock piled 24 loads of hazardous soil to elevation 4 in the building 6 area for water installation. (480 tons or 337 Cy)
- Excavated and stock piled 7 loads of concrete from the Mallory corridor. This material will be stored on site for re-use.
- Repaired discharge pipe from building 6 to the WWTP utilizing 2" lay flat hose.
- Managed hazardous soil stock pile and secured poly over the top at the end of the work day.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| Since 11/1/10 | 0 | 0 | |
| 11/16/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Moretrench was on site to start tieback installation. A total of 1.5 tiebacks installed today, 11/16/2010.
- Kenyon Surveying was on site to layout building 6 excavation area.
- Kenyon Surveying also shot the top of casing on well OW 5-4.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Brent O'Dell

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

November 17, 2010

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------------|---------------------|------------------|------------------|----------------|
| 11/17/2010 | Partly Cloudy | 0.11 | 56-60 | 5-29 | SSW-WSW-W |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|--------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 11/17/2010 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 11/17/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 11/17/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 28 |
| 11/17/2010 | Vaniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 11/17/2010 | Kenyon | Surveying | | | | | 1 | 4 |
| 11/17/2010 | Giannos | Electrical Subcontractor | | | | | 2 | 6 |
| 11/17/2010 | SES | Excavation/Backfill | 5 | 40 | | | 12 | 96 |
| Totals | Totals | | 9 | 74 | 1 | 8 | 20 | 142 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 11/17/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|-------------------|----------------|--------------|--|-------------------------------------|
| 11/3/2010 | 184- TW-01-110310 | Total Chromium | 4.02 | 0.941 | 3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas. (Building 5 – daily average of 40.6 gpm, or 58,590 daily total - Building 6 – daily average of 18.5 gpm or 26,670 daily total)
- Placed a 3” electric sump in the building 6 area for surface dewatering and to handle perched water.

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent</u> | | | Hours Treated |
|------------|---------------------------|-----------|-------------------|-----------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 11/17/2010 | 2,085,276 | 2,195,584 | 110,308 | 82,270 | 110,308 | 2,195,488 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/17/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/17/2010 | | | | | None | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:
Backfill:

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|----------|-----------------|------------------|-----|
| 11/17/2010 | 10 | Cases | Blue Tyvek | A&M Industrial | |
| 11/17/2010 | 2 | Pallets | Black Poly | Triboro Hardware | |
| 11/17/2010 | 6 | Each | Overshoe Boots | Dival Safety | |
| 11/17/2010 | 1 | Cylindar | Calibration Gas | Dival Safety | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Excavated and stock piled 42 loads of hazardous soil to elevation 4 in the building 6 area for waler installation. (840 tons or 598 Cy)
- Sevenson relocated mats and adjusted drilling platform for Moretrench during tie back installation.
- Sevenson initiated preparations to assist Moretrench with the transition from the duplex air flush drilling method to external flush drilling method. This alternative method will allow for a more controlled release of drilling fluids/spoils for containment and disposal.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| Since 11/1/10 | 0 | 0 | |
| 11/17/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Moretrench continued tie back installation. A total of 1 tie back was installed. A total of 2 tie backs have been installed to date.
- Kenyon Surveying was on site to shoot building 6 excavation area.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- Kenyon Surveying also shot the top of casing on wells OW 6-5 and OW 6-6.
- Giannos was on site to install a 220v - 3" pump in building 6.

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

November 18, 2010

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------|---------------------|------------------|------------------|----------------|
| 11/18/2010 | Clear | 0 | 45-55 | 2-11 | WSW-WNW-WSW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 11/18/2010 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 11/18/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 11/18/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 28 |
| 11/18/2010 | Vaniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 11/18/2010 | SES | Excavation/Backfill | 5 | 40 | | | 12 | 96 |
| Totals | Totals | | 9 | 74 | 1 | 8 | 17 | 132 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 11/18/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|-------------------|----------------|--------------|--|-------------------------------------|
| 11/3/2010 | 184- TW-01-110310 | Total Chromium | 4.02 | 0.941 | 3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas. (Building 5 – daily average of 24 gpm, or 34,870 daily total - Building 6 – daily average of 1 gpm or 1,630daily total)

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent | | | Hours Treated |
|------------|--------------------|-----------|-------------------|-----------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 11/18/2010 | 2,195,584 | 2,253,150 | 57,566 | 85,260 | 57,566 | 2,253,054 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/18/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/18/2010 | | | | | None | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-------|----------------|-------------|-----|
| 11/18/2010 | 1 | Each | 21k Adler Tank | Adler | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Excavated and stock piled 30 loads of hazardous soil to elevation 4 in the building 6 area for waler installation. (600 tons or 421 Cy)
- Sevenson continued preparations to assist Moretrench with the transition from the duplex air flush drilling method to external flush drilling method.
- Sevenson set up 1 Adler (frac) tank to provide Moretrench with continuous water flow during tie back installation.
- Broke concrete obstructions in building 6 via Hoe Ram.
- Continued to manage the hazardous soil stock pile.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| Since 11/1/10 | 0 | 0 | |
| 11/18/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Moretrench continued tie back installation. A total of 2 tie backs were installed. A total of 4 tie backs have been installed to date.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

November 19, 2010

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------|---------------------|------------------|------------------|----------------|
| 11/19/2010 | Clear | 0 | 41-48 | 4-16 | NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 11/19/2010 | MACTEC | CM | 2 | 16 | 1 | 8 | | |
| 11/19/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 11/19/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 32 |
| 11/19/2010 | Vaniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 11/19/2010 | SES | Excavation/Backfill | 5 | 40 | | | 12 | 96 |
| Totals | Totals | | 8 | 66 | 1 | 8 | 17 | 136 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 11/19/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 $\mu\text{g}/\text{m}^3$.
- One reading above 60 $\mu\text{g}/\text{m}^3$ at MD-3 at 11:05 am due to scraping paved surface with loader bucket.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|-------------------|----------------|--------------|--|-------------------------------------|
| 11/3/2010 | 184- TW-01-110310 | Total Chromium | 4.02 | 0.941 | 3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas. (*Please note, flow meters are not recording influent gallons.)

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent | | | Hours Treated |
|------------|--------------------|-----------|-------------------|-----------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 11/19/2010 | 2,253,150 | 2,367,632 | 114,482 | 36,500 | 114,482 | 2,367,536 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/19/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/19/2010 | | | | None | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-------|--------------------|-----------------|-----|
| 11/19/2010 | 1 | Each | 24"x62' Steel Beam | K&E Fabricating | |
| 11/19/2010 | 1 | Each | 24"x64' Steel Beam | K&E Fabricating | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Excavated and stock piled 38 loads of hazardous soil to elevation 4 in the building 6 area for waler installation. (760 tons or 533 Cy)
- Severson assisted Moretrench with the continuous water flow for external flush drilling method. Adler tank is being utilized for continuous water supply.
- Excavated behind sheeting along the Mallory corridor to prepare for sheet pile cut off.
- Continued to break concrete obstructions in building 6 via Hoe Ram.
- Continued to manage the hazardous soil stock pile.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| Since 11/1/10 | 0 | 0 | |
| 11/19/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

ADDITIONAL SITE ACTIVITIES:

- Moretrench continued tie back installation. A total of 3.5 tie backs were installed. A total of 7 tie backs have been installed to date.

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

November 22, 2010

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------|---------------------|------------------|------------------|----------------|
| 11/22/2010 | Clear | 0 | 48-65 | 0-15 | NNE-SW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 11/22/2010 | MACTEC | CM | 3 | 19 | 1 | 8 | | |
| 11/22/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 11/22/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 32 |
| 11/22/2010 | Vaniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 11/22/2010 | SES | Excavation/Backfill | 5 | 40 | | | 13 | 104 |
| Totals | Totals | | 9 | 69 | 1 | 8 | 18 | 144 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 11/22/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|-------------------|----------------|--------------|--|-------------------------------------|
| 11/3/2010 | 184- TW-01-110310 | Total Chromium | 4.02 | 0.941 | 3 |
| 11/10/2010 | 184- TW-01-111010 | Total Chromium | pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas. (*Please note, flow meters are not recording influent gallons.)

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)</u> | | | Hours Treated |
|------------|---------------------------|-----------|-------------------|--------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 11/20/2010 | 2,367,632 | 2,459,117 | 91,485 | 91,485 | 91,485 | 2,459,021 | 24 |
| 11/21/2010 | 2,459,117 | 2,544,955 | 85,838 | 85,838 | 85,838 | 2,544,859 | 24 |
| 11/22/2010 | 2,544,955 | 2,641,437 | 96,482 | 96,482 | 96,482 | 2,641,341 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/22/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/22/2010 | | | | None | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Excavated and stock piled 22 loads of hazardous soil to elevation 4 in the building 6 area for waler installation. (440 tons or 309 Cy)
- Severson assisted Moretrench with the continuous water flow for external flush drilling method. Adler tank is being utilized for continuous water supply.
- Continued excavation to elevation 8 in the building 5 area. 35 loads were placed in the re-use stock pile. (700 tons or 492 Cy)
- Initiated sheet pile cut off to elevation +12 along the Mallory corridor.
- Continued to manage the hazardous soil stock pile.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| Since 11/1/10 | 0 | 0 | |
| 11/22/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
ADDITIONAL SITE ACTIVITIES:

- Moretrench continued tie back installation. A total of 1 tie back was installed. A total of 8 tie backs have been installed to date.

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

November 23, 2010

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------|---------------------|------------------|------------------|----------------|
| 11/23/2010 | Cloudy | 0 | 51-62 | 2-12 | S-SW-WSW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 11/23/2010 | MACTEC | CM | 2 | 16 | 1 | 8 | | |
| 11/23/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 11/23/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 32 |
| 11/23/2010 | Vaniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 11/23/2010 | SES | Excavation/Backfill | 5 | 40 | | | 13 | 104 |
| Totals | Totals | | 8 | 66 | 1 | 8 | 18 | 144 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 11/23/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|-------------------|----------------|--------------|--|-------------------------------------|
| 11/3/2010 | 184- TW-01-110310 | Total Chromium | 4.02 | 0.941 | 3 |
| 11/10/2010 | 184- TW-01-111010 | Total Chromium | pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas. (*Please note, flow meters are not recording influent gallons.)

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)</u> | | | Hours Treated |
|-------------|---------------------------|-----------|-------------------|--------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 11/23/21010 | 2,641,437 | 2,731,046 | 89,609 | 92,160 | 89,609 | 2,730,950 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/23/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/23/2010 | 24 | Rebco/Veniero | Non-Haz Soil | 614.59 | 6,547.20 | 25.60 | 25 | NJMC |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------------|-------------|---------------|----------|
| 11/23/2010 | Armored | Common borrow | 211.77 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|---------|---------------|-------------|-----|
| 11/23/2010 | 195 | Gallons | B20 Biodiesel | Taylor Oil | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- 24 loads of non-hazardous soil were shipped off site. (614.59 Tons or 431Cy)
- Severson assisted Moretrench with the continuous water flow for external flush drilling method. Adler tank is being utilized for continuous water supply.
- Continued excavation of re-use material to elevation 8 in the building 5 area. 72 loads were placed in the re-use stock pile. (1,440 tons or 1011 Cy)
- Continued sheet pile cut off to elevation +12 along the Mallory corridor for installation of cap system.
- Cleaned sheets for waler installation in building 6.
- Removed 2 loads of stone and 1 load of asphalt from the building 5 area.
- Continued to manage the hazardous soil stock pile. Load out scheduled for 11/30/2010.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| Since 11/1/10 | 0 | 0 | |
| 11/23/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
ADDITIONAL SITE ACTIVITIES:

- Moretrench continued tie back installation. A total of 3 tie backs were completed. A total of 11 tie backs have been installed to date.
- Kenyon Surveying was on site to shoot settlement monitoring points, excavation limits and volume in the hazardous soil stock pile.

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |

GENERAL COMMENTS/ISSUES:

- Tie backs 1 and 2 are not holding to load testing requirements at this time. These tie backs will be re-grouted in an attempt to meet load test standards. Moretrench is investigating soil borings to determine if surrounding soils are less dense than anticipated. Moretrench will load test anchor 4 on 11/24/2010, which was installed via external flush method to determine if there is a difference in bond strength.

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

November 24, 2010

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------------|---------------------|------------------|------------------|----------------|
| 11/24/2010 | Partly Cloudy | 0 | 41-50 | 5-19 | NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 11/24/2010 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 11/24/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 11/24/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 28 |
| 11/24/2010 | Vaniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 11/24/2010 | Kenyon | Surveying | | | | | 1 | 8 |
| 11/24/2010 | SES | Excavation/Backfill | 5 | 40 | | | 13 | 104 |
| Totals | Totals | | 9 | 74 | 1 | 8 | 19 | 148 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 11/24/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³.
- Readings above 60 µg/m³ at MD-2 from 7:15-8:04 were the result of high gusty winds. Water truck began spraying and no further elevated readings were observed.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|-------------------|----------------|--------------|--|-------------------------------------|
| 11/3/2010 | 184- TW-01-110310 | Total Chromium | 4.02 | 0.941 | 3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas. (*Please note, flow meters are not recording influent gallons.)

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.) | | | Hours Treated |
|------------|--------------------|-----------|-------------------|-------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 11/24/2010 | 2,731,046 | 2,833,502 | 102,456 | 92,160 | 102,456 | 2,833,406 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/24/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/24/2010 | 6 | Rebco/Veniero | Non-Haz Soil | 150.52 | 6,697.72 | 25.10 | 16 | NJMC |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-----------|-------------|-------------|-----|
| 11/24/2010 | 12 | Cylinders | Oxygen | Sos Gases | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Excavated 6 loads of non-hazardous soil from the building 6 area. (150.52 Tons or 106 Cy)
- Excavated 61 loads of re-use material in the building 5 area to elevation 8. (1,324 Tons or 942 Cy)
- Completed sheet cutting along the Mallory corridor to elevation +12 for the installation of the cap system.
- Removed 4 loads of concrete and 1 load of asphalt from the building 5 area.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| Since 11/1/10 | 0 | 0 | |
| 11/24/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Moretrench re-grouted tiebacks 1-11 in an attempt to meet load testing standards. A total of 11 tiebacks have been installed to date.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

November 29, 2010

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------|---------------------|------------------|------------------|----------------|
| 11/29/2010 | Clear | 0 | 32-49 | 1-8 | NE-SW-SE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 11/29/2010 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 11/29/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 11/29/2010 | Chenango | Liner Installer | | | | | 2 | 10 |
| 11/29/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 28 |
| 11/29/2010 | Vaniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 11/29/2010 | Kenyon | Surveying | | | | | 1 | 8 |
| 11/29/2010 | SES | Excavation/Backfill | 5 | 40 | | | 19 | 152 |
| Totals | Totals | | 9 | 74 | 1 | 8 | 27 | 206 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 11/29/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (ppm) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|-------------------|----------------|--------------|--|-------------------------------------|
| 11/3/2010 | 184- TW-01-110310 | Total Chromium | 4.02 | 0.941 | 3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas. (*Please note, flow meters are not recording influent gallons.)

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)</u> | | | Hours Treated |
|------------|---------------------------|-----------|-------------------|--------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 11/25/2010 | 2,833,502 | 2,910,262 | 76,760 | N/A | 76,760 | 2,910,166 | 24 |
| 11/26/2010 | 2,910,262 | 3,006,118 | 95,856 | N/A | 95,856 | 3,006,022 | 24 |
| 11/27/2010 | 3,006,118 | 3,100,845 | 94,727 | N/A | 94,727 | 3,100,749 | 24 |
| 11/28/2010 | 3,100,845 | 3,176,411 | 75,566 | N/A | 75,566 | 3,176,315 | 24 |
| 11/29/2010 | 3,176,411 | 3,248,977 | 72,566 | 92,160 | 72,566 | 3,248,881 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/29/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/29/2010 | | | | None | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-------|------------------|------------------|-----|
| 11/29/2010 | 50 | Lbs. | 3/16 Welding Rod | Sos Gases | |
| 11/29/2010 | 1 | Pair | Welding Gloves | Sos Gases | |
| 11/29/2010 | 1 | Each | 17 Ton Shackle | Triboro Hardware | |
| 11/29/2010 | 2 | Loads | No. 67 Stone | Tilcon | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Prepared to load trucks for offsite disposal of hazardous soil.
- Excavated to elevation 8 and stock piled 49 loads of re-use material in the building 5 area. (1,078 Tons or 757 Cy)
- Prepared Mallory corridor for cap system installation. Installed anchor trench and fill along the sheet piling.
- Removed and stock piled 7 loads of concrete and 2 loads of asphalt from the building 5 area.
- Continued the installation of chairs and seats in the building 6 area in preparation for the walers.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| Since 11/1/10 | 0 | 0 | |
| 11/29/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
ADDITIONAL SITE ACTIVITIES:

- Moretrench re-grouted tiebacks 1 and 2 in an attempt to meet load testing standards. These tiebacks increased their load capacity from the first test, but will be re-grouted again.
- Moretrench load tested anchors 3-7 which were installed via external flush method and re-grouted. These tiebacks met the specified load testing requirements.
- A total of 12 tiebacks have been installed to date.
- Kenyon Surveying was on site for deformation and settlement monitoring in the buildings 5 & 6 areas.
- Chenango Contracting received chromium training to prepare for liner installation.

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

November 30, 2010

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|--------------------|---------------------|------------------|------------------|----------------|
| 11/30/2010 | Cloudy, light rain | 0.06 | 50-55 | 2-10 | ESE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|--------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 11/30/2010 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 11/30/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 11/30/2010 | Chenango | Liner Installer | | | | | 2 | 16 |
| 11/30/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 28 |
| 11/30/2010 | Vaniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 11/30/2010 | Arecon | Trucking & Disposal | 1 | 4 | | | 2 | 24.5 |
| 11/30/2010 | SES | Excavation/Backfill | 5 | 40 | | | 19 | 162 |
| Totals | Totals | | 10 | 78 | 1 | 8 | 28 | 238.5 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 11/30/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184- TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | Pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas. (*Please note, flow meters are not recording influent gallons.)

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)</u> | | | Hours Treated |
|------------|---------------------------|-----------|-------------------|--------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 11/30/2010 | 3,248,977 | 3,339,848 | 90,871 | 92,160 | 90,871 | 3,339,752 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/30/10 | 40 | Horwith | Haz Soil | 1,009 | 9,758.04 | 25.23 | 70 | US Ecology |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 11/30/2010 | | | | None | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------------|-------------|---------------|----------|
| 11/30/2010 | Armored | Common borrow | 696.76 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-------|----------------------------------|-------------|-----|
| 11/30/2010 | 1 | Each | 55 Gallon Drum-Mobil Fleet 15W40 | Noco | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Loaded 40 trucks (1009.40 Tons) of hazardous soil for off-site disposal.
- Excavated to elevation 8 and stock piled 35 loads of re-use material in the building 5 area. (770 Tons or 540 Cy)
- Severson assisted Chenango Contracting with the installation of the cap liner system (16oz. Non Woven Geo-textile and LLDPE) in the Mallory corridor.
- Removed and stock piled 4 loads of concrete from the building 5 area.
- Continued the installation of chairs and seats in the building 6 area in preparation for the walers.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| Since 11/1/10 | 0 | 0 | |
| 11/30/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
ADDITIONAL SITE ACTIVITIES:

- Moretrench drilled and grouted 2 tiebacks and initiated the drilling of a third tie back.
- A total of 14 tiebacks have been installed to date.
- Chenango Contracting was on site for liner installation. They will return on Thursday for the installation of the GDL in the Mallory corridor.

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Geoff Shallard

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

December 1, 2010

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 12/1/2010 | Rain | 1.07 | 49-60 | 6-22 | ESE-W |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|--------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 12/1/2010 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 12/1/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 12/1/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 28 |
| 12/1/2010 | Vaniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 12/1/2010 | Arecon | Trucking & Disposal | | | | | 2 | 20.5 |
| 12/1/2010 | SES | Excavation/Backfill | 5 | 44 | | | 20 | 170 |
| Totals | Totals | | 9 | 78 | 1 | 8 | 27 | 226.5 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------------|-----------|-----------|
| 12/1/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: A laborer was moving scaffolding during truck loading operations and slipped. Mactec was immediately notified of the incident. He was taken to Jersey City Medical Center for treatment and was diagnosed with a separated shoulder. He is to be evaluated by an orthopedic doctor within the next week to be cleared back to work. Severson is performing an investigation into the incident.
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- Monitoring suspended due to rain.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184- TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | Pending | | |
| 12/1/2010 | 184 - TW-01-120210 | Total Chromium | Pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas. (*Please note, flow meters are not recording influent gallons.)

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.) | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|-------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 12/1/2010 | 3,339,848 | 3,379,452 | 39,604 | 92,160 | 39,604 | 3,379,356 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|---------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/1/10 | 40 | Horwith | Haz Soil | 1009.14 | 10,767.18 | 25.23 | 64 | US Ecology |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/1/2010 | | | | None | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|------------------------------|------------------|-----|
| 12/1/2010 | 2 | Each | Tweco Connectors | Sos Gases | |
| 12/1/2010 | 2 | Cases | Trash Bags | Triboro Hardware | |
| 12/1/2010 | 1 | Each | 3 Ton, 10' Chain Lever Hoist | Triboro Hardware | |
| 12/1/2010 | 2 | Each | 5/8"x10' Sling | Triboro Hardware | |
| 12/1/2010 | 1 | Case | Rain Gear | Triboro Hardware | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Loaded 40 trucks (1,009.14 Tons) of hazardous soil for off-site disposal.
- Continued the installation of chairs and seats in the building 6 area in preparation for the walers.
- Utilized a breaker for building 6 foundations.
- Continued to manage the re-use stock pile.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| Since 11/29/10 | 0 | 0 | |
| 12/1/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

ADDITIONAL SITE ACTIVITIES:

- Moretrench drilled 1 tie back and grouted 2 tiebacks. (Operations ceased due to heavy rains and high wind.)
- A total of 15 tiebacks have been installed to date.

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

December 2, 2010

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 12/2/2010 | Clear | 0 | 34-43 | 3-12 | W-WNW-NNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 12/2/2010 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 12/2/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 12/2/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 28 |
| 12/2/2010 | Vaniero Trucking | Trucking Subcontractor | | | | | 1 | 4 |
| 12/2/2010 | Arecon | Trucking & Disposal | | | | | 2 | 19 |
| 12/2/2010 | Chenango | Liner Installer | | | | | 2 | 16 |
| 12/2/2010 | SES | Excavation/Backfill | 5 | 44 | | | 20 | 173 |
| Totals | Totals | | 9 | 78 | 1 | 8 | 29 | 240 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------------|-----------|-----------|
| 12/2/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184- TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | Pending | | |
| 12/1/2010 | 184 - TW-01-120210 | Total Chromium | Pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas. (*Please note, flow meters are not recording influent gallons.)

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.) | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|-------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 12/2/2010 | 3,379,452 | 3,462,991 | 83,539 | 92,160 | 83,539 | 3,462,895 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|---------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/2/10 | 42 | Horwith | Haz Soil | 1063.61 | 11,830.79 | 25.32 | 49 | US Ecology |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/2/2010 | | | | None | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|--------------------------------|----------------------|-----|
| 12/2/2010 | 36 | Bags | Paragranular Bentonite | Kenseal | |
| 12/2/2010 | 1 | Each | Smooth Drum Walk Behind Roller | RSC Equipment Rental | |
| 12/2/2010 | 2 | Loads | No. 67 Stone | Tilcon | |
| 12/2/2010 | 2 | Loads | 1 1/2" Clean Stone | Weldon | |
| 12/2/2010 | 827.65 | Tons | Approved Cover Soil | E.M.E. Inc. | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Loaded 42 trucks (1,063.61 Tons) of hazardous soil for off-site disposal.
- Installed walers W2-11 in the building 6 area.
- Continued to manage the re-use stock pile.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| Since 11/29/10 | 0 | 0 | |
| 12/2/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Moretrench drilled 2 tie backs and re-grouted 1 tieback.
- A total of 17 tiebacks have been installed to date.
- Chenango was on site for the installation of the GDL liner in the Mallory corridor.
- Chenango also performed air testing on the seams of each LLDPE panel. All 11 air tests met the requirements outlined in specification section 02372 by not dropping below 4psi in a 5 minute

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

interval. (Attached is Chenango's QC data). Installation is expected to be completed by 12/3/2010.

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None



TRI/Environmental, Inc.
A Texas Research International Company

Date: 2010-12-01

Mail To:
Carl Burdick
Chenango Contracting
29 Arbutus Road
Johnston City , NY , 13790

Bill To:

Chenango Contracting

e-mail:cburdick@chenangocontracting.com

Dear Mr. Burdick,

Thank you for consulting with TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project: **Honeywell Jersey City**

TRI Job Reference Number: **4933**

Material(s) Tested: (1) Heat Fusion Weld Seam(s)

Test(s) Requested: SAME DAY Peel and Shear
(ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

Codes:

| | |
|---------|---|
| AD | Adhesion Failure (100% Peel) |
| BRK | Break in sheeting away from Seam edge. |
| SE | Break in sheeting at edge of seam. |
| AD-BRK | Break in sheeting after some adhesion failure - partial peel. |
| SIP | Separation in the plane of the sheet (leaving the bond intact). |
| FTB | Film tearing bond (all non "AD" failures). |
| NON-FTB | 100% peel. |

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Jennifer Tenney
Project Manager
Geosynthetic Services Division
<http://www.geosyntheticstestinc.com>



TRI/Environmental, Inc.
A Texas Research International Company

DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS

TRI Client: Chenango Contracting

Project: Honeywell Jersey City

Material: 40mil. LLDPE

SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

TRI Log#: 4933

| PARAMETER | TEST REPLICATE NUMBER | | | | | MEAN |
|-------------------------------------|-----------------------|-----|-----|-----|-----|--------|
| | 1 | 2 | 3 | 4 | 5 | |
| Sample ID: DS-1 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 100 | 100 | 101 | 100 | 97 | 100 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 96 | 97 | 101 | 92 | 94 | 96 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 111 | 115 | 115 | 117 | 119 | 115 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |

The testing is based upon accepted industry practices as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claims as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.

CHENANGO CONTRACTING, INC.

JOHNSON CITY, NY 13790
(607) 729-8500 Fax (607) 729-2415



29 ARBUTUS RD, JOHNSON CITY, NY 13790
TEL. (607) 729-8500 FAX (607) 729-2415

TEL. (607) 729-8500 FAX (607) 729-2415

1044
Honeywell Jersey City

PROJECT NAME:
PROJECT NUMBER:
QC REP.:

Robert Volker

| | SMOOTH (ppi) | | TEXTURED (ppi) | |
|------------------|--------------|-------|----------------|-------|
| | PEEL | SHEAR | PEEL | SHEAR |
| FUSION (min.) | | | 44 | 53 |
| EXTRUSION (min.) | | | 44 | 53 |

[illegible]

29 ARBUTUS RD, JOHNSON CITY, NY 13790
TEL. (607) 729-8500 FAX (607) 729-2415

PROJECT NAME:

PROJECT NUMBER:

1044

MATERIAL:

LLDPE

QCR REP.:

Robert Volker

| | SMOOTH (ppi) | | TEXTURED (ppi) | |
|------------------|--------------|-------|----------------|-------|
| | PEEL | SHEAR | PEEL | SHEAR |
| FUSION (min.) | | | 44 | 51 |
| EXTRUSION (min.) | | | 44 | 53 |

[illegible]

TEL. (607) 729-8500 FAX (607) 729-2415

REPAIR LOG

PROJECT NAME:

PROJECT NUMBER:

QC REP.:

MATERIAL:

Robert Volker

LLDPE

[illegible]

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

December 3, 2010

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------|---------------------|------------------|------------------|----------------|
| 12/3/2010 | Partly Cloudy | 0 | 34-42 | 1-9 | NW-NNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 12/3/2010 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 12/3/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 12/3/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 28 |
| 12/3/2010 | Sor Testsing | Cover Soil Testing | | | | | 1 | 8 |
| 12/3/2010 | Arecon | Trucking & Disposal | | | | | 2 | 18 |
| 12/3/2010 | Chenango | Liner Installer | | | | | 2 | 6 |
| 12/3/2010 | SES | Excavation/Backfill | 5 | 44 | | | 20 | 193 |
| Totals | Totals | | 9 | 78 | 1 | 8 | 29 | 253 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------------|-----------|-----------|
| 12/3/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184- TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | Pending | | |
| 12/1/2010 | 184 - TW-01-120210 | Total Chromium | Pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas. (*Please note, flow meters are not recording influent gallons.)

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.) | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|-------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 12/3/2010 | 3,462,991 | 3,564,770 | 101,779 | 92,160 | 101,779 | 3,564,674 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|---------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/3/10 | 38 | Horwith | Haz Soil | 960.38 | 12,791.17 | 25.27 | 57 | US Ecology |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/3/2010 | | | | None | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|------------------|------------------|-----|
| 12/3/2010 | 2 | Each | 6.5 Ton Shackles | Triboro Hardware | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Loaded 38 trucks (960.38 Tons) of hazardous soil for off-site disposal.
- Installed walers 19, 20, 21 and PS-8 for bracing in the building 6 area.
- Placed and compacted cover soil in the Mallory West corridor, along the slope and flat surface.
- Prepared to excavate Hg in the building 6 area. Excavation to begin on Monday, 12/6/10.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| Since 11/29/10 | 0 | 0 | |
| 12/3/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Moretrench installed 3 tie backs (18, 19 and 20).
- A total of 20 tiebacks have been installed to date.
- Chenango was on site to complete the installation of the GDL liner in the Mallory corridor.
- Sor Testing performed Nuclear density testing of cover soil in the Mallory West utility corridor. All tests passed the minimum 90% density.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

December 6, 2010

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 12/6/2010 | Cloudy | 0 | 31-35 | 5-23 | WSW-WNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 12/6/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 12/6/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 12/6/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 28 |
| 12/6/2010 | Kenyon | Surveying | | | | | 2 | 8 |
| 12/6/2010 | Arecon | Trucking & Disposal | 1 | 4 | | | 2 | 19 |
| 12/6/2010 | SES | Excavation/Backfill | 5 | 44 | | | 20 | 175 |
| Totals | Totals | | 11 | 90 | 1 | 8 | 28 | 230 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------------|-----------|-----------|
| 12/6/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3.
- Readings above 100 µg/m3 at MD-2 at 13:30 due to high gusty winds across site. Notified CM; water truck began spraying road surfaces.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|-------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/1/2010 | 184 -TW-01-120210 | Total Chromium | Pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas. (*Please note, flow meters are not recording influent gallons.)

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|--------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 12/4/2010 | 3,564,790 | 3,660,392 | 95,622 | 92,160 | 95,622 | 3,660,296 | 24 |
| 12/5/2010 | 3,660,392 | 3,737,884 | 77,492 | 92,160 | 77,492 | 3,737,788 | 24 |
| 12/6/2010 | 3,737,884 | 3,804,322 | 66,438 | 92,160 | 66,438 | 3,804,226 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|---------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/6/10 | 40 | Horwith | Haz Soil | 1006.94 | 13,798.11 | 25.17 | 76 | US Ecology |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/6/2010 | | | | None | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|-------------------|------------------|-----|
| 12/6/2010 | 63 | Each | Concrete Blankets | Triboro Hardware | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Loaded 40 trucks (1006.94 Tons) of hazardous soil for off-site disposal.
- Installed steel pipes PS-6 and PS-7 for bracing in the building 6 area.
- Excavated Hg material down to the meadow mat (elevation +2) in building 6 for direct load out.
- Moved one load of concrete to the onsite stockpile.
- Stenciled, "Danger, Do Not Dig", in English and Spanish on the demarcation layer in the Mallory West corridor.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| Since 11/29/10 | 0 | 0 | |
| 12/6/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Moretrench load tested tiebacks 1& 2 and 8-11. All tiebacks tested met the design test load.
- A total of 20 tiebacks have been installed to date.
- Kenyon Surveying was on site to monitor settlement points on the force main and deformation points on the sheet pile.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Jessica Lapore, Carpenter Environmental

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

December 7, 2010

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------|---------------------|------------------|------------------|----------------|
| 12/7/2010 | Partly Cloudy | 0 | 31-37 | 7-19 | W-NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|-----------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 12/7/2010 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 12/7/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 12/7/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 28 |
| 12/7/2010 | Roman Asphalt | Asphalt Subcontractor | | | | | 6 | 18 |
| 12/7/2010 | Arecon | Trucking & Disposal | | | | | 2 | 18 |
| 12/7/2010 | SES | Excavation/Backfill | 5 | 44 | | | 22 | 192 |
| Totals | Totals | | 9 | 78 | 1 | 8 | 34 | 256 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------------|-----------|-----------|
| 12/7/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3.
- Readings above 100 µg/m3 at MD-2 and MD-3 after 16:00 were the result of work on the Home Depot fence. There was no excavation of contaminated soil in this area at this time.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | Pending | | |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | Pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas. (*Please note, influent is approximate.)

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|--------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 12/7/2010 | 3,804,322 | 3,903,180 | 98,858 | 92,160 | 98,858 | 3,903,084 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/7/2010 | 40 | Horwith | Haz Soil | 1005.04 | 14,803.15 | 25.13 | 45 | US Ecology |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/6/2010 | | | | None | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 12/7/2010 | Armored | Common borrow | 383.24 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|--------------------------|-------------------------|-----|
| 12/7/2010 | 25 | Each | 6' HD Fence Posts | Triboro Hardware | |
| 12/7/2010 | 25 | Each | 36" Cable Ties | Triboro Hardware | |
| 12/7/2010 | 1 | Roll | 4" Yellow Highway Tape | Traffic Safety Services | |
| 12/7/2010 | 2 | Each | "Detour Left" Signs | Traffic Safety Services | |
| 12/7/2010 | 1 | Each | "Detour Right" Sign | Traffic Safety Services | |
| 12/7/2010 | 1 | Each | "Road Closed Ahead" Sign | Traffic Safety Services | |
| 12/7/2010 | 2 | Each | "Road Closed" Sign | Traffic Safety Services | |
| 12/7/2010 | 3 | Each | "Stop" Signs | Traffic Safety Services | |
| 12/7/2010 | 146.47 | Tons | No. 67 Bedding Stone | Tilcon | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Loaded 40 trucks (1005.04 Tons) of hazardous soil for off-site disposal.
- Installed steel pipe PS-4, PS-5, W16 and W17 for bracing in the building 6 area.
- Completed excavating the Hg material down to the meadow mat (elevation +2) in building 6 for direct load out.
- Installed the necessary signage in the Home Depot North driveway for the detour.
- Placed NJDOT bin blocks as necessary.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| Since 11/29/10 | 0 | 0 | |
| 12/7/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- Moretrench was on site to install tiebacks #19 and 21.
- Moretrench also re-grouted tiebacks #18 and 20.
- A total of 21 tiebacks have been installed to date.
- Roman Asphalt placed asphalt paving for the Home Depot detour.

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Kathy Montiero

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

December 8, 2010

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 12/8/2010 | Clear | 0 | 29-35 | 3-19 | W-WNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|----------------------|-----------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 12/8/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 12/8/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 12/8/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 28 |
| 12/8/2010 | Ralph Clayton & Sons | Asphalt Subcontractor | | | | | 1 | 1 |
| 12/8/2010 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 12/8/2010 | SES | Excavation/Backfill | 5 | 50 | | | 18 | 156 |
| Totals | Totals | | 10 | 92 | 1 | 8 | 24 | 193 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------------|-----------|-----------|
| 12/8/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³.
- Readings above 100 µg/m³ at MD-2 were the result of high gusty winds. Notified CM; contractor began spraying surfaces with water truck.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | Pending | | |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | Pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas. (*Please note, influent is approximate.)

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|--------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 12/8/2010 | 3,903,180 | 3,988,893 | 85,713 | 92,160 | 85,713 | 3,988,797 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/8/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/8/2010 | | | | None | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 12/8/2010 | Armored | Common borrow | 330.47 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|-------------------------|----------------------|-----|
| 12/8/2010 | 76.43 | Tons | 1 1/2" Clean Stone | Weldon | |
| 12/8/2010 | 99.14 | Tons | No. 67 Stone | Tilcon | |
| 12/8/2010 | 10 | Each | 6' Fence Panels | Security Fabricators | |
| 12/8/2010 | 1 | Tank | Calibration Gas | Dival Safety | |
| 12/8/2010 | 17 | Each | Safety Vests | Dival Safety | |
| 12/8/2010 | 17 | Each | Clear Glasses | Dival Safety | |
| 12/8/2010 | 17 | Each | Overshoe Boots | Dival Safety | |
| 12/8/2010 | 3 | Cy | 3,000 PSI Concrete | Ralph Clayton & Sons | |
| 12/8/2010 | 1 | Each | Light Tower | United Rentals | |
| 12/8/2010 | 1 | Each | 400K BTU Torpedo Heater | United Rentals | |

EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Installed steel pipe PS-1, W13, W14 and W15 for bracing in the building 6 area.
- Installed 8" Sanitary Sewer (265 LF) and Manhole 5-2.
- Installed backfill in the Mallory West corridor and around sewer with Pea Stone.
- Insulated dewatering pump discharge lines in building 5.
- Poured inverts in Manholes 5-11 and 5-2 (3 Cy of concrete).
- Managed material stock piles on site.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| Since 11/29/10 | 0 | 0 | |
| 12/8/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

ADDITIONAL SITE ACTIVITIES:

- Moretrench was on site to install tiebacks #23, #24 and #26.
- A total of 25 tiebacks have been installed to date.
- Kenyon Surveying was on site for settlement monitoring, deformation monitoring and to shoot the bottom of buildings 5 and 6.

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Brent O'Dell

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

December 9, 2010

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 12/9/2010 | Clear | 0 | 25-32 | 4-16 | WNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 12/9/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 12/9/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 12/9/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 28 |
| 12/9/2010 | Chenango | Liner Installer | | | | | 2 | 6 |
| 12/9/2010 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 12/9/2010 | SES | Excavation/Backfill | 5 | 55 | | | 18 | 170 |
| Totals | Totals | | 10 | 97 | 1 | 8 | 25 | 212 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------------|-----------|-----------|
| 12/9/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | Pending | | |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | Pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas. (*Please note, influent is approximate.)

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.) | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|-------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 12/9/2010 | 3,988,893 | 4,046,579 | 57,686 | 27,160 | 57,686 | 4,046,483 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/9/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/9/2010 | | | | None | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 12/9/2010 | Armored | Common borrow | 902.1 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|---------------------------|------------------|-----|
| 12/9/2010 | 1 | Each | Asphalt Cutter | Triboro Hardware | |
| 12/9/2010 | 1 | Roll | 3/8" Poly Rope, 600' Long | Triboro Hardware | |
| 12/9/2010 | 1 | Each | Core Drill | United Rentals | |
| 12/9/2010 | 6 | Boxes | Blue Coveralls | A&M Industrial | |
| 12/9/2010 | 141.69 | Tons | 1 1/2" Stone | Weldon | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Installed steel pipe PS-2, PS-3, W12, and W18 for bracing in the building 6 area.
- Excavated liner under sewer in the Home Depot driveway.
- Tested sewer MH 5-2 and MH 5-3. The test was conducted for 4 minutes at 3psi and met the specifications outlined in section 02650-1.
- Continued backfilling in the Mallory West corridor.
- Continued installation of the dewatering pump discharge lines in the building 5 area.
- Installed bridging lift (16oz. Non-woven Geo-textile and 1 1/2" clean stone) in the Hg area of building 6.
- Hauled 1 load of asphalt to the onsite stockpile.
- Hauled 2 loads (35 Cy) of hazardous soil and 4 loads (70 Cy) of re-use material from the Home Depot driveway.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| Since 11/29/10 | 0 | 0 | |
| 12/9/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

ADDITIONAL SITE ACTIVITIES:

- Moretrench was on site to install tiebacks #25 and #27.
- A total of 27 tiebacks have been installed to date.
- Moretrench re-grouted tiebacks #22, #23, #24 and #25.
- Chenango was onsite to prepare for liner installation.
- Sor Testing was onsite for Compaction Testing of Common Borrow material.

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Geoff Shallard
- Chris Rowatti

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

December 10, 2010

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------|---------------------|------------------|------------------|----------------|
| 12/10/2010 | Cloudy | 0 | 21-35 | 0-9 | NNE-SE-SSE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 12/10/2010 | MACTEC | CM | 3 | 24 | | | | |
| 12/10/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 12/10/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 28 |
| 12/10/2010 | Chenango | Liner Installer | | | | | 3 | 18 |
| 12/10/2010 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 12/10/2010 | SES | Excavation/Backfill | 5 | 46 | | | 17 | 152 |
| Totals | Totals | | 9 | 80 | 0 | 0 | 25 | 206 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 12/10/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:*Toolbox Meeting Topic:*

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- One excursion above the action level of 339 µg/m³. Street sweeping operations created a brief dust cloud at MD-4. Sweeping was immediately halted. Sweeping was being performed without water due to below freezing temperatures, so as not to cause icing conditions.
- No intrusive work was being performed at the time of the excursion.
- No other readings above trigger level of 200 µg/m³

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | Pending | | |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | Pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas. (*Please note, influent is approximate.)

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.) | | | Hours Treated |
|------------|--------------------|-----------|-------------------|-------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 12/10/2010 | 4,046,579 | 4,102,842 | 56,263 | 27,160 | 56,263 | 4,102,746 | 24 |

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/10/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/10/2010 | | | | None | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|---------|----------------|------------------|-----|
| 12/10/2010 | 3 | Bundles | Oak Wedges | Triboro Hardware | |
| 12/10/2010 | 6 | Boxes | Blue Coveralls | A&M Industrial | |

EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Completed Sanitary Sewer connection in the Home Depot driveway.
- Continued waler and bracing installation in the building 6 area.
- Completed insulating discharge lines in the building 5 area.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| Since 11/29/10 | 0 | 0 | |
| 12/10/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Moretrench was on site to install tiebacks #28, #30 and #32.
- A total of 30 tiebacks have been installed to date.
- Moretrench re-grouted tiebacks #22, #23, #24 and #25.
- Chenango was onsite for liner installation in the Home Depot driveway.
- Kenyon Surveying was on site to shoot deformation points for the sheet pile, settlement on the force main and to begin layout for hot spot work.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

December 13, 2010

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------------------------|------------------------|------------------|------------------|----------------|
| 12/13/2010 | Cloudy, scattered showers | 0.11 Rain, 0.1 Snow | 35-43 | 3-16 | WNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 12/13/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 12/13/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 12/13/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 28 |
| 12/13/2010 | Chenango | Liner Installer | | | | | 3 | 24 |
| 12/13/2010 | Kenyon Surveying | Surveying | | | | | 1 | 1 |
| 12/13/2010 | National Water Main | Sewer Cleaning Service | | | | | 1 | 3 |
| 12/13/2010 | SES | Excavation/Backfill | 4 | 40 | | | 18 | 157 |
| Totals | Totals | | 9 | 82 | 1 | 8 | 27 | 213 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 12/13/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | Pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas.

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|------------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 12/11/2010 | 4,102,842 | 4,185,906 | 83,064 | 40,000 | 83,064 | 4,185,810 | 24 |
| 12/12/2010 | 4,185,906 | 4,264,191 | 78,285 | 40,000 | 78,285 | 4,264,095 | 24 |
| 12/13/2010 | 4,264,191 | 4,344,859 | 80,668 | 40,000 | 80,668 | 4,344,763 | 24 |

- (*Please note, influent is approximate.)

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/13/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/13/2010 | | | | None | | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-------|--------------------|-------------|-----|
| 12/13/2010 | 152.91 | Tons | 1 1/2" Clean Stone | Weldon | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Installed 4" and 1" PVC into Manhole 5-1 for future ground water extraction system.
- Abandoned unneeded Sanitary Sewer and Manhole with flowable fill downstream from 5-1.
- Backfilled Sanitary Sewer and Manhole in Home Depot driveway.
- Re-started excavation in building 6 from elevation +4 to the Meadow Mat at approximately elevation 0.
- Initiated removal of bracing and walers (W13, W14, W18 and PS3).
- Installed 160z. Non-woven Geo-textile fabric and 1 1/2" clean stone for bridge lift on top of the Meadow Mat as excavation proceeds.
- Removed 23 loads (approx. 460 Cy) of hazardous soil from the building 6 area and placed it in the hazardous stock pile.
- Excavated more of the Home Depot liner near Manhole 5-1 to check folds for potential areas that could leak. These areas were repaired by Chenango.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| Since 11/29/10 | 0 | 0 | |
| 12/13/1900 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
ADDITIONAL SITE ACTIVITIES:

- Moretrench was on site to install tiebacks #29, #31 and #33.
- A total of 33 tiebacks have been installed to date.
- Moretrench re-grouted tiebacks #28, #30 and #32.
- Chenango was on site to finish the repair of the Home Depot liner.
- Kenyon Surveying was on site to shoot settlement monitoring points, deformation points and 5ppm AOC.
- National Water Main was on site to jet clean abandoned 8" line at the Home Depot driveway.

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

December 14, 2010

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------|-----------------------|------------------|------------------|----------------|
| 12/14/2010 | Clear | 0.01 Rain 0.0 Snow | 21-24 | 6-19 | WNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|--------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 12/14/2010 | MACTEC | CM | 3 | 24 | 1 | 4 | | |
| 12/14/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 12/14/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 28 |
| 12/14/2010 | Vibratech | Vibration Subcontractor | | | | | 1 | 2 |
| 12/14/2010 | Giannos | Electrical Subcontractor | | | | | 2 | 2 |
| 12/14/2010 | SES | Excavation/Backfill | 4 | 40 | | | 17 | 149 |
| Totals | Totals | | 8 | 74 | 1 | 4 | 24 | 181 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 12/14/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Readings above 100 µg/m³ at MD-2 due to high gusty winds across the site. No water was being used due to below freezing temperatures, to avoid creating a safety hazard from icing.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | Pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas.

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.) | | | Hours Treated |
|------------|--------------------|-----------|-------------------|-------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 12/14/2010 | 4,344,859 | 4,427,331 | 82,472 | 79,200 | 82,472 | 4,427,235 | 24 |

(*Please note, influent is approximate.)

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/14/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/14/2010 | | | | None | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-------|-----------------------------|----------------|-----|
| 12/14/2010 | 1 | Each | 4" Pump (CD100MV-25CFM) | Godwin Pumps | |
| 12/14/2010 | 1 | Each | 2,000 Gallon Water Truck | United Rentals | |
| 12/14/2010 | 5 | Rolls | 16oz. Non-Woven Geo-textile | Skaps | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Completed backfilling to sub-grade along Home Depot sewer area.
- Set Manhole 5-1 frame and cover in Home Depot sewer area.
- Saw cut asphalt and repaired electrical and irrigation conduit.
- Continued excavation in the building 6 area from elevation +4 to the Meadow Mat at approximately elevation 0.
- Continued removing bracing and walers (W12, W19 and PS2) in the building 6 area.
- Cut sheets along W13 wall.
- Removed 26 loads (approx. 442 Cy) of hazardous soil from the building 6 area to the hazardous stock pile.
- Vacuum tested Manholes 5-1 and 5-2.
- Thawed out dewatering pump lines from building 6.
- Continued installation of 16oz. Non-woven Geo-textile fabric and 1 ½" clean stone for bridge lift as excavation proceeds.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| Since 11/29/10 | 0 | 0 | |
| 12/13/1900 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

ADDITIONAL SITE ACTIVITIES:

- Moretrench was on site to install tiebacks #34 and #35.
- A total of 35 tiebacks have been installed to date.
- Moretrench re-grouted tiebacks #29, #31 and #33.
- Vibratex was on site to replace Seismograph monitor on the Raymour & Flanigan building.
- Giannos Electric repaired electrical conduit in the Home Depot driveway.

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

December 15, 2010

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------------|---------------------|------------------|------------------|----------------|
| 12/15/2010 | Partly Cloudy | 0.01 Rain | 23-28 | 5-20 | WNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 12/15/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 12/15/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 12/15/2010 | Moretrench | Wells & Tiebacks | | | | | 5 | 32 |
| 12/15/2010 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 12/15/2010 | Venerio Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 12/15/2010 | PVSC | Compliance Sampling | | | | | 1 | 2 |
| 12/15/2010 | SES | Excavation/Backfill | 4 | 48 | | | 18 | 163 |
| Totals | Totals | | 9 | 90 | 1 | 8 | 26 | 213 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 12/15/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3.
- No readings above trigger level of 200µg/m3.
- Readings above 100µg/m3 at MD-2 due to high gusty winds across the site. No water was being used due to below freezing temperatures, to avoid creating a safety hazard from icing.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | Pending | | |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | Pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas.
- Randolph Targos from the Passaic Valley Sewerage Commissioners was on site for discharge sampling and to read the flow meters.

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.) | | | Hours Treated |
|------------|--------------------|-----------|-------------------|-------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 12/15/2010 | 4,427,331 | 4,503,567 | 76,236 | 79,200 | 76,236 | 4,503,471 | 24 |

(*Please note, influent is approximate.)

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/15/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/15/2010 | | | | None | | | | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-------|--------------------|---------------|-----|
| 12/15/2010 | 9 | Pairs | Overshoe Boots | Dival Safety | |
| 12/15/2010 | 246.04 | Tons | 1 1/2" Clean Stone | Weldon Quarry | |
| 12/15/2010 | 6 | Pairs | Welding Gloves | Sos Gases | |
| 12/15/2010 | 2 | Each | Tip Cleaners | Sos Gases | |

EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Completed backfilling to sub-grade along Home Depot sewer area.
- Set Manhole 5-1 frame and cover in Home Depot sewer area.
- Saw cut asphalt and repaired electrical and irrigation conduit.
- Continued excavation in the building 6 area from elevation +4 to the Meadow Mat at approximately elevation 0.
- Continued removing bracing and walers (W6-W9) in the building 6 area.
- Continued cutting sheets along W8 and W9 wall.
- Continued installation of 16oz. Non-woven Geo-textile fabric and 1 1/2" clean stone for bridge lift as excavation proceeds.
- Removed 24 loads (approx. 408 Cy) of hazardous soil from the building 6 area to the hazardous stock pile.
- Continued to maintain discharge lines from freezing.
- Mobilized equipment (Water Truck, PC 220 Excavator and WA 470 Loader) to Kellogg Street for noise analysis, which was completed by 10:00 pm.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|----------------------------|------------------------|-------------------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| Since 11/29/10 | 0 | 0 | |
| 12/15/1900 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Moretrench was on site to install tieback #36. Started drilling for tie back #37.
- A total of 36 tiebacks have been installed to date.
- Moretrench re-grouted tiebacks #34 and #35.
- Moretrench also repaired and flushed out observation well 5-5 and long term observation wells 6-3 and 6-5. The risers on the long term wells were raised in building 6.
- Kenyon Surveying was on site to shoot the settlement monitoring points, deformation monitoring points and the NJCU parking lot.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Randolph Targos – Passaic Valley Sewerage Commissioners

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

December 16, 2010

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|------------------------|---------------------|------------------|------------------|----------------|
| 12/16/2010 | Clear, becoming cloudy | 0 | 23-29 | 3-13 | WSW-SW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 12/16/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 12/16/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 12/16/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 28 |
| 12/16/2010 | Roman Asphalt | Asphalt Subcontractor | | | | | 8 | 24 |
| 12/16/2010 | Venerio Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 12/16/2010 | SES | Excavation/Backfill | 4 | 40 | | | 18 | 162 |
| Totals | Totals | | 9 | 82 | 1 | 8 | 31 | 222 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 12/16/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- One excursion above the action level of 339µg/m³. This was due to asphalt paving operations on the Home Depot side of the south fence line. It was not the result of intrusive operations on the site.
- No other readings above trigger level of 200µg/m³.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | Pending | | |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | Pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas.

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|------------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 12/16/2010 | 4,503,567 | 4,567,301 | 63,734 | 64,800 | 63,734 | 4,567,205 | 24 |

(*Please note, influent is approximate.)

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/16/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/16/2010 | | | | None | | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------------|-------------|---------------|----------|
| 12/16/2010 | Armored | Common borrow | 223.42 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-------|--------------------|---------------|-----|
| 12/16/2010 | 363.67 | Tons | 1 1/2" Clean Stone | Weldon Quarry | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Removed detour, temporary signs and fencing in the Home Depot driveway.
- Continued excavation in building 6 from elevation +4 to the Meadow Mat at approximately elevation 0.
- Continued removing bracing and walers (PS4).
- Continued cutting sheets along W6, W7 and W12 wall.
- Continued installation of 16oz. Non-woven Geo-textile fabric and 1 1/2" clean stone for bridge lift as excavation proceeds.
- Removed 23 loads (391 Cy) of hazardous soil from the building 6 area and placed it in the onsite stockpile.
- Reorganized pump discharging lines to facilitate thawing.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| Since 11/29/10 | 0 | 0 | |
| 12/16/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
ADDITIONAL SITE ACTIVITIES:

- Moretrench was on site to install tieback #37, #38 and #39.
- A total of 39 tiebacks have been installed to date.
- Moretrench re-grouted tieback #36.
- Roman Asphalt restored the asphalt paving in the Home Depot driveway.

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Joseph Clifford

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

December 17, 2010

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------|---------------------|------------------|------------------|----------------|
| 12/17/2010 | Clear | 0 | 23-37 | 1-15 | WNW-NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 12/17/2010 | MACTEC | CM | 4 | 32 | | | | |
| 12/17/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 12/17/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 28 |
| 12/17/2010 | Kenyon Surveying | Surveying | | | | | 1 | 4 |
| 12/17/2010 | Venerio Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 12/17/2010 | SES | Excavation/Backfill | 4 | 40 | | | 17 | 136 |
| Totals | Totals | | 9 | 82 | 0 | 0 | 23 | 176 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 12/17/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the trigger level of 339µg/m³.
- No readings above trigger level of 200µg/m³.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | Pending | | |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | Pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas.

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|------------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 12/17/2010 | 4,567,301 | 4,616,532 | 49,231 | 47,520 | 49,231 | 4,616,436 | 24 |

(*Please note, influent is approximate.)

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/17/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/17/2010 | | | | None | | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|--------|--------------------|------------------|-----|
| 12/17/2010 | 1 | Pallet | 40'x100' Poly | Triboro Hardware | |
| 12/17/2010 | 16 | Casses | Blue Coveralls | A&M Industrial | |
| 12/17/2010 | 374.68 | Tons | 1 1/2" Clean Stone | Weldon Quarry | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Removed detour, temporary signs and fencing in the Home Depot driveway.
- Continued excavation in building 6 from elevation +4 to the Meadow Mat at approximately elevation 0.
- Continued removing bracing and walers.
- Continued cutting sheets along W7 wall.
- Continued installation of 16oz. Non-woven Geo-textile fabric and 1 1/2" clean stone for bridge lift as excavation proceeds.
- Removed 14 loads (238 Cy) of hazardous soil from the building 6 area and placed it in the onsite stockpile.
- Reorganized pump discharging lines to facilitate thawing.
- Covered hazardous stockpile for the weekend.
- Performed a layout for the re-use stockpiles on site for NJCU parking lot work during the holiday break.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| Since 11/29/10 | 0 | 0 | |
| 12/16/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
ADDITIONAL SITE ACTIVITIES:

- Moretrench was on site to install tiebacks #40 and #41.
- A total of 41 tiebacks have been installed to date.
- Kenyon Surveying was onsite to shoot settlement and deformation monitoring points.

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

December 20, 2010

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------|---------------------|------------------|------------------|----------------|
| 12/20/2010 | Clear | 0 | 26-37 | 2-19 | NNW-NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 12/20/2010 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 12/20/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 12/20/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 28 |
| 12/20/2010 | Kenyon Surveying | Surveying | | | | | 1 | 4 |
| 12/20/2010 | Venerio Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 12/20/2010 | SES | Excavation/Backfill | 5 | 50 | | | 17 | 136 |
| Totals | Totals | | 9 | 84 | 1 | 8 | 23 | 176 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------------|-----------|-----------|
| 12/20/2010 | No Traffic Control Needed Today | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the trigger level of 339µg/m³.
- No readings above trigger level of 200µg/m³.
- Readings above 100 µg/m³ at MD-2 due to high gusty winds across stockpile of clean fill dirt. Stockpile was then covered with plastic.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | Pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas.

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|------------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 12/18/2010 | 4,616,532 | 4,659,112 | 42,580 | 47,520 | 42,580 | 4,659,016 | 24 |
| 12/19/2010 | 4,659,112 | 4,703,497 | 44,385 | 47,520 | 44,385 | 4,703,401 | 24 |
| 12/20/2010 | 4,703,497 | 4,750,065 | 46,568 | 47,520 | 46,568 | 4,749,969 | 24 |

(*Please note, influent is approximate.)

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/20/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/20/2010 | | | | None | | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-------|-----------------------|------------------|-----|
| 12/20/2010 | 130.69 | Tons | 1 1/2" Clean Stone | Weldon Quarry | |
| 12/20/2010 | 1 | Each | 5/8"x10' Sling | Triboro Hardware | |
| 12/20/2010 | 1 | Each | Hot Pressure Washer | United Rentals | |
| 12/20/2010 | 50 | Each | 25 Micron Filter Bags | Trumpler Clancy | |
| 12/20/2010 | 50 | Each | 50 Micron Filter Bags | Trumpler Clancy | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued excavation in building 6 from elevation +4 to the Meadow Mat at approximately elevation 0.
- Continued installation of 16oz. Non-woven Geo-textile fabric and 1 1/2" clean stone for bridge lift as excavation proceeds.
- Removed 46 loads (690 Cy) of hazardous soil from the building 6 area and placed it in the onsite stockpile.
- Set up for crane to drive piles with APE 150.
- Covered re-use stock pile with poly.
- Prepared areas for installation of 2 pairs of sheet pile left out in building 6 for existing sewer.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 480 | 76210 | 76210 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| Since 11/29/10 | 0 | 0 | |
| 12/20/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
ADDITIONAL SITE ACTIVITIES:

- Moretrench was on site to install tiebacks #42, #43 and #44.
- Moretrench grouted tiebacks #41 and #42.
- Moretrench performed load testing on tie backs #18, #19 and #20.
- A total of 44 tiebacks have been installed to date.
- Kenyon Surveying was onsite to shoot settlement and deformation monitoring points.

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

December 21, 2010

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------|---------------------|------------------|------------------|----------------|
| 12/21/2010 | Clear | 0 | 29-40 | 6-17 | NW-NNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 12/21/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 12/21/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 12/21/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 28 |
| 12/21/2010 | United Crane Rental | Crane Subcontractor | | | | | 1 | 8 |
| 12/21/2010 | Venerio Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 12/21/2010 | SES | Excavation/Backfill | 5 | 50 | | | 18 | 145 |
| Totals | Totals | | 10 | 92 | 1 | 8 | 24 | 189 |

TRAFFIC CONTROL:

| Date | | Work being performed | Personnel | Total Hrs |
|------------|--------------------|----------------------|-----------|-----------|
| 12/21/2010 | Jersey City Police | Traffic Control | 1 | 2 |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the trigger level of 339µg/m3.
- No readings above trigger level of 200µg/m3.
- Readings above 60µg/m3 at MD-2 due to high gusty winds.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | Pending | | |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | Pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas.

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|------------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 12/21/2010 | 4,750,065 | 4,803,798 | 53,733 | 53,280 | 53,733 | 4,803,702 | 24 |

(*Please note, influent is approximate.)

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/21/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/21/2010 | | | | None | | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------------|-------------|---------------|----------|
| 12/21/2010 | Armored | Common borrow | 382.9 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-------|--------------------|---------------|-----|
| 12/21/2010 | 380.09 | Tons | 1 1/2" Clean Stone | Weldon Quarry | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued excavation in building 6 from elevation +4 to the Meadow Mat at approximately elevation 0 (approx. 6,266 Cy removed to date).
- Continued installation of 16oz. Non-woven Geo-textile fabric and 1 1/2" clean stone for bridge lift as excavation proceeds.
- Removed 46 loads (690 Cy) of hazardous soil from the building 6 area and placed it in the onsite stockpile.
- Applied DeNeef swell seal inside of interlock of sheet piles before driving in building 6.
- Installed 2 pairs of sheet pile with a 70 ton hydraulic crane and an APE vibratory hammer. One sheet was located along the Southern side and one along Carbon Place in the building 6 area.
- Relocated asphalt stock pile in order to make room for re-use stock piles.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| Since 11/29/10 | 4 | 331 | |
| 12/21/2010 | 4 | 331 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

ADDITIONAL SITE ACTIVITIES:

- Moretrench was on site to install tiebacks #45 and #46.
- Moretrench performed load testing up to tie back #20.
- A total of 46 tiebacks have been installed to date.
- United Crane Rental mobilized a 70 ton hydraulic crane to drive sheet piles in building 6.
- Jersey City Police Department was on site for traffic detail work on Carbon Place and State Route 440 during sheeting installation along Carbon Place.

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

December 22, 2010

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------|---------------------|------------------|------------------|----------------|
| 12/22/2010 | Clear | 0 | 29-38 | 2-17 | WNW-NNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 12/22/2010 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 12/22/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 12/22/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 28 |
| 12/22/2010 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 12/22/2010 | Semcor | Asphalt Cutting | | | | | 1 | 8 |
| 12/22/2010 | Lore Sweeping | Brooming Subcontractor | | | | | 1 | 4 |
| 12/22/2010 | Venerio Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 12/22/2010 | SES | Excavation/Backfill | 5 | 50 | | | 19 | 153 |
| Totals | Totals | | 10 | 92 | 1 | 8 | 27 | 209 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 12/22/10 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the trigger level of 339µg/m3.
- No readings above trigger level of 200µg/m3.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | Pending | | |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | Pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas.

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|------------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 12/22/2010 | 4,803,798 | 4,876,785 | 72,987 | 72,000 | 72,987 | 4,876,689 | 24 |

(*Please note, influent is approximate.)

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/22/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/22/2010 | | | | None | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------------|-------------|---------------|----------|
| 12/22/2010 | Armored | Common borrow | 605.35 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|--------|---------------------------------|------------------|-----|
| 12/22/2010 | 382.08 | Tons | 1 1/2" Clean Stone | Weldon Quarry | |
| 12/22/2010 | 21 | Rolls | Orange Safety Fence | Triboro Hardware | |
| 12/22/2010 | 70 | Each | 6' Heavy Duty T-Posts | Triboro Hardware | |
| 12/22/2010 | 1 | Pallet | Calcium Chloride | Triboro Hardware | |
| 12/22/2010 | 1 | Each | Air Rock Drill with 1 1/2" Bits | United Rentals | |

EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued excavation in building 6 from elevation +4 to the Meadow Mat at approximately elevation 0 (approx. 6,281 Cy removed to date). Completed 98% of excavation and bridging lift.
- Continued installation of 16oz. Non-woven Geo-textile fabric and 1 1/2" clean stone for bridge lift as excavation proceeds.
- Removed 1 load (approx. 15 Cy) of hazardous soil from the building 6 area and placed it in the onsite stockpile.
- Continued cutting sheets and walers in the building 6 area.
- Shaped and covered hazardous soil stock pile.
- Performed a layout for the cuts in the NJCU parking lot.
- Performed decontamination procedures for equipment and trucks on site.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| Since 11/29/10 | 4 | 331 | |
| 12/22/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Moretrench was on site to install tiebacks #47, #48, #49 and #50.
- Moretrench performed load testing on tiebacks #23 and #24.
- A total of 50 tiebacks have been installed to date.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- Kenyon Surveying was on site to shoot settlement and deformation monitoring points and building 6 excavation depths.
- Semcor cut asphalt in the NJCU parking lot.
- Lore Sweeping performed rotary broom sweeping of job site for dust control.

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- William Hague
- Joseph Clifford
- Tim Kessler
- Richard Stromberg – NJ Department of Community Affairs

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

December 23, 2010

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------|---------------------|------------------|------------------|----------------|
| 12/23/2010 | Clear | 0 | 32-35 | 7-24 | NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 12/23/2010 | MACTEC | CM | 3 | 24 | | | | |
| 12/23/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 12/23/2010 | Semcor | Asphalt Cutting | | | | | 1 | 4 |
| 12/23/2010 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 12/23/2010 | SES | Excavation/Backfill | 4 | 32 | | | 16 | 128 |
| Totals | Totals | | 8 | 66 | 0 | 0 | 18 | 140 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------|-----------|-----------|
| 12/23/2010 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the trigger level of 339µg/m³.
- One reading above trigger level of 200µg/m³ at MD-2 due to high gusty winds. Water truck began spraying the area. No further readings above trigger level.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | Pending | | |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | Pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas.

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|------------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 12/23/2010 | 4,876,785 | 4,939,196 | 62,411 | 64,800 | 62,411 | 4,939,100 | 24 |

(*Please note, influent is approximate.)

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/23/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/23/2010 | | | | None | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Initiated backfill with common barrow material in building 6. Completed 98% of excavation and bridging lift.
- Shaped and covered hazardous soil stock pile.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| Since 11/29/10 | 4 | 331 | |
| 12/23/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- A total of 50 tiebacks have been installed to date.
- Semcor continued to saw cut asphalt in the NJCU parking lot.
- Sor testing was on site to perform Nuclear Density Testing of common barrow material in building 6. All material met the required standard proctor of 95%.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Kinjal Shah

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

December 27, 2010

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------------------------|-----------------------|------------------|------------------|----------------|
| 12/27/2010 | Snow, blizzard conditions | 0.41 Rain 6.5 Snow | 22-29 | 9-29 | NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 12/27/2010 | MACTEC | CM | 1 | 8 | | | | |
| 12/27/2010 | Emilcott | Air Monitoring | 0 | 0 | | | | |
| 12/27/2010 | SES | Excavation/Backfill | 1 | 10 | | | 5 | 42 |
| Totals | Totals | | 2 | 18 | 0 | 0 | 5 | 42 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------|-----------|-----------|
| 12/27/2010 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No monitoring performed due to snow.
- No work performed other than snow removal.
- No Emilcott personnel on site.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | Pending | | |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | Pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas.

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|------------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 12/24/2010 | 4,949,196 | 4,999,202 | 60,006 | 64,800 | 60,006 | 4,999,106 | 24 |
| 12/25/2010 | 4,999,202 | 5,054,977 | 55,775 | 57,600 | 55,775 | 5,054,881 | 24 |
| 12/26/2010 | 5,054,977 | 5,109,329 | 54,352 | 57,600 | 54,352 | 5,109,233 | 24 |
| 12/27/2010 | | | No Readings | Taken Due | To Snow | | 24 |

(*Please note, influent is approximate.)

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/27/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/27/2010 | | | | None | | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Snow removal.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| Since 11/29/10 | 4 | 331 | |
| 12/27/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

December 28, 2010

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------------|---------------------|------------------|------------------|----------------|
| 12/28/2010 | Partly Cloudy | 0 | 28-39 | 3-23 | WNW-W |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 12/28/2010 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 12/28/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 12/28/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 32 |
| 12/28/2010 | SES | Excavation/Backfill | 4 | 40 | | | 12 | 99 |
| Totals | Totals | | 8 | 74 | 1 | 8 | 16 | 131 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------|-----------|-----------|
| 12/28/2010 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3.
- No readings above trigger level of 200µg/m3.
- Readings above 60 µg/m3 at MD-3 – Isolated spikes, no specific cause determined.
- Delayed starts on MD-1, 2 and 4 due to snow pack.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | Pending | | |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | Pending | | |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | Pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas.

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|------------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 12/28/2010 | 5,109,329 | 5,216,266 | 106,937 | 110,000 | 106,937 | 5,216,170 | 24 |

(*Please note, influent is approximate.)

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/28/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/28/2010 | | | | None | | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued snow removal in the NJCU parking lot and on the job site.
- Installed fence posts and orange fencing in the NJCU parking lot in order to delineate excavation areas.
- Initiated the removal of asphalt/concrete in the Northeast section of the NJCU parking lot.
- Initiated stockpiling asphalt and concrete in their respective piles onsite.
- Removed 29 loads of asphalt and 2 loads of concrete from the NJCU parking lot.
- Sevenson assisted Moretrench by repositioning Crane Mats for final move during tie back installation activities.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| Since 11/29/10 | 4 | 331 | |
| 12/28/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

ADDITIONAL SITE ACTIVITIES:

- Moretrench installed tie backs #51 and #52.
- A total of 52 tie backs have been installed to date.
- Load testing currently complete through tie back #24.

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- William Hague

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

December 29, 2010

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------------|---------------------|------------------|------------------|----------------|
| 12/29/2010 | Partly Cloudy | 0 | 33-39 | 2-13 | NW-N |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 12/29/2010 | MACTEC | CM | 2 | 16 | 1 | 8 | | |
| 12/29/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 12/29/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 32 |
| 12/29/2010 | Semcor | Asphalt Cutting | | | | | 1 | 8 |
| 12/29/2010 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 12/29/2010 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 99 |
| Totals | Totals | | 7 | 66 | 1 | 8 | 20 | 147 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------|-----------|-----------|
| 12/29/2010 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3.
- No readings above trigger level of 200µg/m3.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | Pending | | |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | Pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas.

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|------------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 12/29/2010 | 5,216,266 | 5,266,864 | 50,598 | 50,400 | 50,598 | 5,266,768 | 24 |

(*Please note, influent is approximate.)

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/29/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/29/2010 | | | | None | | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-------|------------------|------------------|-----|
| 12/29/2010 | 48 | Bags | Calcium Chloride | Triboro Hardware | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued snow removal in the NJCU parking lot and on the job site.
- Continued installing fence posts and orange fencing in the NJCU parking lot in order to delineate excavation areas.
- Initiated the removal of asphalt/concrete in the Southwest section of the NJCU parking lot.
- Continued stockpiling asphalt and concrete in their respective piles onsite.
- Removed 31 loads of asphalt and 3 loads of concrete from the NJCU parking lot.
- Removed concrete foundation from NJCU parking lot with excavator.
- Disassembled and removed guard rail within the excavation area of the NJCU parking lot.
- Repaired privacy screening along Carbon Place that was damaged due to high winds.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| Since 11/29/10 | 4 | 331 | |
| 12/29/2010 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
ADDITIONAL SITE ACTIVITIES:

- Moretrench installed tie backs #53, #54 and #55.
- A total of 55 out of 55 tie backs have been installed to date.
- Load testing currently complete through tie back #24.
- Semcor was on site to complete the saw cutting activities in the NJCU parking lot.
- Kenyon Surveying was on site to shoot the layout of the NJCU parking lot and to perform deformation and settlement monitoring on the job site.

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

December 30, 2010

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|------------|---------|---------------------|------------------|------------------|----------------|
| 12/30/2010 | Sunny | 0 | 23-39 | 3-8 | WNW-W |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 12/30/2010 | MACTEC | CM | 2 | 16 | 1 | 8 | | |
| 12/30/2010 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 12/30/2010 | Moretrench | Wells & Tiebacks | | | | | 4 | 32 |
| 12/30/2010 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 99 |
| Totals | Totals | | 7 | 66 | 1 | 8 | 18 | 131 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|------------|---------------------------|-----------|-----------|
| 12/30/2010 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3.
- No readings above trigger level of 200µg/m3.
- Readings above 60 µg/m3 at all locations due to high humidity.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | Pending | | |

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the buildings 5 & 6 excavation areas.

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|------------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 12/30/2010 | 5,266,864 | 5,313,905 | 47,041 | 47,520 | 47,041 | 5,313,809 | 24 |

(*Please note, influent is approximate.)

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/30/2010 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 12/30/2010 | | | | None | | | | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------------|----------|-------|------------------------------|-------------|-----|
| 12/30/2010 | 1 | Each | 14" Diamond Asphalt Blade | Fastenal | |
| 12/30/2010 | 2 | Rolls | Orange Non-woven Geo-textile | | |

EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Completed snow removal in the NJCU parking lot and on the job site.
- Continued installing fence posts and orange fencing in the NJCU parking lot in order to delineate excavation areas.
- Continued the removal of asphalt/concrete in the Southwest and Northeast sections of the NJCU parking lot.
- Continued stockpiling asphalt and concrete in their respective piles onsite.
- Removed 27 loads of asphalt and 2 loads of concrete from the NJCU parking lot.
- Severson saw cut the remaining 15LF of asphalt in the NJCU parking lot that was unfinished by Semcor due to a vehicle that was obstructing the area.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| Since 11/29/10 | 4 | 331 | |
| 12/30/2010 | 0 | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Moretrench re-grouted tie backs #45, #46 and #47.
- A total of 55 out of 55 tie backs have been installed to date.
- Load testing currently complete through tie back #24.

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

February 23, 2011

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 2/23/2011 | Clear | 0 | 21-44 | 1-8 | N-NNW-NNE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|--------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 2/23/2011 | MACTEC | CM | 4 | 26 | 1 | 8 | | |
| 2/23/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 2/23/2011 | Arecon | Disposal | | | | | 5 | 37.5 |
| 2/23/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 2/23/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 2/23/2011 | SES | Excavation/Backfill | 5 | 50 | | | 19 | 153 |
| Totals | Totals | | 10 | 86 | 1 | 8 | 26 | 206.5 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 2/23/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 185 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 2/23/2011 | 7,781,692 | 7,821,719 | 40,027 | 40,000 | 40,027 | 7,821,623 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/23/2011 | 42 | Horwith | Haz Soil | 1,065.68 | 21,936.40 | 25.37 | 58 | US Ecology |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/23/2011 | 54 | Rebco/Veniero | Non-Haz Soil | 1,262.83 | 29,437.43 | 23.39 | 26 | MCL |

- Total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Total to date to Middlesex County – 23,504.82 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 2/23/2011 | Armored | Common borrow | 988.32 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|---------------------|-------------|-----|
| 2/23/2011 | 1 | Each | PFU400/25 Foam Unit | Rusmar | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:*Excavation/Backfill Activities/Comments/Issues:*

- Excavated non-hazardous soil from building 5 to stockpile. A small amount remained to reach planned contour. Removed 34 loads (approx. 408 Cy).
- Removed 2 loads of concrete foundations.
- Continued load out of hazardous soil from the onsite stockpile. 42 loads shipped off-site.
- Continued load out of non-hazardous soil from the onsite stockpile. 54 loads shipped off-site.
- Continued placing compacting imported fill (approx. 988.32 tons of Common Borrow) in building 5 from elevation -3 to 1.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-Present | 0 | | |
| 2/23/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- Sor Testing was on site to perform compaction testing with a nuclear density gauge in building 5.
- Kenyon Surveying was on site for as built of building 5 and Settlement Monitoring Points.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extec C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | 2/17/2011 |
| 1 | D65 Dozer | 2/17/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

January 3, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|---------------------|------------------|------------------|----------------|
| 1/3/2011 | Sunny | 0 | 29-36 | 3-17 | NE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 1/3/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 1/3/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 1/3/2011 | Moretrench | Wells & Tiebacks | | | | | 4 | 32 |
| 1/3/2011 | Veneiro Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 1/3/2011 | SES | Excavation/Backfill | 4 | 40 | | | 13 | 116 |
| Totals | Totals | | 9 | 82 | 1 | 8 | 18 | 156 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 1/3/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3.
- No readings above trigger level of 200µg/m3.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|------------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 12/31/2010 | 5,313,905 | 5,357,316 | 43,411 | 43,200 | 43,411 | 5,357,220 | 24 |
| 1/1/2011 | 5,357,316 | 5,395,517 | 38,201 | 40,320 | 38,201 | 5,395,421 | 24 |
| 1/2/2011 | 5,395,517 | 5,435,798 | 40,281 | 40,320 | 40,281 | 5,435,702 | 24 |
| 1/3/2011 | 5,435,798 | 5,477,367 | 41,569 | 41,760 | 41,569 | 5,477,271 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.
- Dewatering discontinued in building 6.
- PVSC installed auto-sampler on discharge.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/3/2011 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/3/2011 | | | | None | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | | WM | | Debris, trash, wood | | |
| 30 cy | 3068 | 9/1/2010 | | Nacerima | | Scrap | | |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|----------|-------------|---------------|----------|
| 1/3/2011 | Armored | Common borrow | 584 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued installing fence posts and orange fencing in the NJCU parking lot in order to delineate excavation areas.
- Completed the removal of asphalt/concrete in the Southwest and Northeast sections of the NJCU parking lot.
- Continued stockpiling asphalt and concrete in their respective piles onsite.
- Removed 3 loads of asphalt and 1 load of concrete from the NJCU parking lot.
- Initiated excavation activities in the Northeast section of the NJCU parking lot. 19 loads of re-use material and 11 loads of non-hazardous soil were removed. (Approx. 450 Cy)
- Managed both the re-use and non-hazardous stock piles on site. Placed poly over the non-hazardous and under the re-use piles.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- A total of 55 out of 55 tie backs have been installed to date.
- Tie backs #24 - #35 met the load testing criteria.
- Load testing currently complete through tie back #35.

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Victor Villalta – PVSC
- Ed Casper - PVSC

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

January 4, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|---------------------|------------------|------------------|----------------|
| 1/4/2011 | Sunny | 0 | 29-40 | 2-12 | NE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|-------------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 1/4/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 1/4/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 1/4/2011 | Moretrench | Wells & Tiebacks | | | | | 4 | 32 |
| 1/4/2011 | Veneiro Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 1/4/2011 | Paramount Exterminating | Rodent Control | | | | | 1 | 1 |
| 1/4/2011 | SES | Excavation/Backfill | 5 | 50 | | | 13 | 117 |
| Totals | Totals | | 10 | 92 | 1 | 8 | 19 | 158 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 1/4/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3.
- No readings above trigger level of 200µg/m3.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 1/4/2011 | 5,477,367 | 5,543,447 | 66,080 | 64,800 | 66,080 | 5,543,351 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.
- Dewatering discontinued in building 6.
- PVSC installed auto-sampler on discharge.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/4/2011 | | | | None | | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/4/2011 | | | | None | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Steel | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Steel | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Steel | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Steel | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Steel | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Steel | 5.4 | 29.33 |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|----------|-------------|---------------|----------|
| 1/4/2011 | Armored | Common borrow | 483.42 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued stockpiling asphalt and concrete in their respective piles onsite.
- Removed 3 loads of concrete from the NJCU parking lot.
- Continued excavation activities in the Northeast section of the NJCU parking lot. 18 loads of re-use material and 9 loads of non-hazardous soil were removed. (Approx. 405 Cy)
- Managed both the re-use and non-hazardous stock piles on site. Placed poly over the non-hazardous and under the re-use piles.
- Placed orange woven demarcation fabric in the NJCU AOC after achieving final grade.
- Placed 683 tons of backfill material in the NJCU AOC.
- Utilized a PC 220 with Ho-ram to break concrete foundation in the Western corner of the NJCU parking lot.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/4/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Tie backs #35 - #46 met the load testing criteria.
- Load testing currently complete through tie back #46.
- Kenyon Surveying performed layout and assisted with the excavation depths in the NJCU parking lot.
- Paramount Exterminating was on site for monthly inspection and servicing of bait traps.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Victor Villalta – PVSC
- Chris Rowatti

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

January 5, 2011

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|---------------------|------------------|------------------|----------------|
| 1/5/2011 | Sunny | 0 | 25-39 | 4-17 | WNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 1/5/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 1/5/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 1/5/2011 | Moretrench | Wells & Tiebacks | | | | | 4 | 32 |
| 1/5/2011 | Veneiro Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 1/5/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 1/5/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 1/5/2011 | SES | Excavation/Backfill | 5 | 50 | | | 14 | 126 |
| Totals | Totals | | 10 | 92 | 1 | 8 | 21 | 182 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 1/5/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3.
- No readings above trigger level of 200µg/m3.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 1/5/2011 | 5,543,447 | 5,606,640 | 63,193 | 64,800 | 63,193 | 5,606,544 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.
- Dewatering discontinued in building 6.
- PVSC installed auto-sampler on discharge.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/5/2011 | | | | None | | | | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/5/2011 | | | | None | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|----------|-------------|---------------|----------|
| 1/5/2011 | Armored | Common borrow | 665.84 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|--------------------------|-----------------|-----|
| 1/15/2011 | 1 | Roll | Underground Marking Tape | McMcasteer Carr | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued excavation activities in the Northeast section of the NJCU parking lot. 10 loads of re-use material and 33 loads of non-hazardous soil were removed. (Approx. 645 Cy)
- Continued placing orange woven demarcation fabric in the Residential AOC after achieving final grade.
- Placed 665.84 tons of backfill material in the Residential AOC.
- Utilized a vibratory roller to compact backfill material in order to achieve required compaction.
- Continued to manage all stock piles.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|------------------------|--------------------|---------------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/5/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Moretrench completed load testing of anchors.
- Tie backs #47 - #55 met the load testing criteria.
- Kenyon Surveying performed layout and assisted with the excavation depths in the NJCU parking lot.
- Sor Testing was on site for Nuclear Density testing in the Residential AOC. Required compaction was achieved.
- Tetrattech/UCS on site to implement sampling on behalf of NJCU.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Victor Villalta – PVSC
- Stuart Reeves – Tetrattech
- Bob Chocek – Tetrattech
- Rich Coynon - UCS

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

January 6, 2011

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|---------------------|------------------|------------------|----------------|
| 1/6/2011 | Sunny | 0 | 25-39 | 4-17 | WNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 1/6/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 1/6/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 1/6/2011 | Veneiro Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 1/6/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 1/6/2011 | Moretrench | | | | | | 2 | 1 |
| 1/6/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 1/6/2011 | SES | Excavation/Backfill | 5 | 50 | | | 15 | 127 |
| Totals | Totals | | 10 | 92 | 1 | 8 | 20 | 152 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 1/6/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 1/6/2011 | 5,606,640 | 5,661,847 | 55,207 | 57,600 | 55,207 | 5,661,751 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.
- Dewatering discontinued in building 6.
- PVSC installed auto-sampler on discharge.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/6/2011 | | | | None | | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/6/2011 | | | | None | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|----------|-------------|---------------|----------|
| 1/6/2011 | Armored | Common borrow | 864.57 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Completed excavation and continued backfill activities in the Northeast section of the NJCU parking lot.
- Initiated excavation in the Southern section of the NJCU parking lot. 11 loads of re-use material and 21 loads of non-hazardous soil were removed. (Approx. 480 Cy)
- Continued placing orange woven demarcation fabric in the excavation areas after achieving final grade.
- Placed 864.57 tons of backfill material in the excavation areas.
- Utilized a vibratory roller to compact backfill material in order to achieve required compaction.
- Continued to manage stock piles.
- Levelled building 5 area to prepare for excavation below elevation +8 and removed crane mats where Moretrench was staged.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/6/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Moretrench was on site to pick up equipment.
- Kenyon Surveying performed layout and assisted with the excavation depths in the NJCU parking lot.
- Sor Testing was on site for Nuclear Density testing in the NJCU AOC.
- Tetrattech/UST was on site for sampling on behalf of NJCU.
- PVSC was on site for discharge sampling.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Victor Villalta – PVSC
- Kim Bell Hosea – Carpenter Environmental
- Kathy Monteiro – NJCU
- Charles Malaniak – Matrix
- Stuart Reeves – Tetrattech
- Bob Chocek – Tetrattech
- Rich Coynon – UCS
- Ted Toskos - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

January 7, 2011

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|-------------------------|------------------|------------------|----------------|
| 1/7/2011 | Snow | 0.13" Rain 2.6" Snow | 31-33 | 1-35 | SSE-SSW-WSW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 1/7/2011 | MACTEC | CM | 4 | 29 | 1 | 8 | | |
| 1/7/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 1/7/2011 | Veneiro Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 1/7/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 1/7/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 4 |
| 1/7/2011 | SES | Excavation/Backfill | 5 | 44 | | | 4 | 113 |
| Totals | Totals | | 10 | 83 | 1 | 8 | 7 | 133 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 1/7/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 1/7/2011 | 5,661,847 | 5,717,039 | 55,192 | 57,600 | 55,192 | 5,716,943 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.
- Dewatering discontinued in building 6.
- PVSC installed auto-sampler on discharge. Collected 24-hour composite samples for one week. Sampling concluded on 1/7/2011.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/7/2011 | | | | None | | | | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/7/2011 | | | | None | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|----------|-------------|---------------|----------|
| 1/7/2011 | Armored | Common borrow | 1,042.03 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|----------|----------|---------|----------------------------|-------------|-----|
| 1/7/2011 | 1 | Each | 2XL Leather Welding Jacket | Sos Gases | |
| 1/7/2011 | 500 | Gallons | B20 Biodiesel | Taylor Oil | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued backfill activities in the Northeast section of the Residential AOC.
- Placed 1,342.03 tons of backfill material in the excavation areas.
- Continued excavation in the Southern section of the Residential AOC. 2 loads of re-use material and 25 loads of non-hazardous material were removed from this area and sent to the on-site stock pile. (Approx. 405 Cy)
- Continued to manage stock piles.
- Continued placing orange woven demarcation fabric in the excavation areas after achieving final grade.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/7/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying performed layout and assisted with the excavation depths in the NJCU parking lot.
- Sor Testing was on site for Nuclear Density testing in the NJCU AOC. Compaction technician was unable to take tests due to inclement weather conditions.
- PVSC was on site for discharge sampling.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Victor Villalta – PVSC
- Ed Casper - PVSC

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

January 10, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 1/10/2011 | Clear | 0 | 25-35 | 4-15 | WNW-NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|------------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 1/10/2011 | MACTEC | CM | 4 | 40 | 1 | 8 | | |
| 1/10/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 1/10/2011 | Veneiro Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 1/10/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 1/10/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 1/10/2011 | SES | Excavation/Backfill | 5 | 50 | | | 15 | 121 |
| Totals | Totals | | 10 | 100 | 1 | 8 | 18 | 145 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 1/10/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 1/8/2011 | 5,717,039 | 5,769,924 | 52,885 | 50,400 | 52,885 | 5,769,828 | 24 |
| 1/9/2011 | 5,769,924 | 5,822,953 | 53,029 | 50,400 | 53,029 | 5,822,857 | 24 |
| 1/10/2011 | 5,822,953 | 5,881,116 | 58,163 | 57,600 | 58,163 | 5,881,020 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.
- Dewatering discontinued in building 6.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/10/2011 | | | | None | | | | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/10/2011 | | | | None | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 1/10/2011 | Armored | Common borrow | 1,073.26 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|-------------------------------------|-------------|-----|
| 1/10/2011 | 4 | Rolls | Orange Demarcation Non-Woven Fabric | IWT Cargo | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Completed excavation in the Southern section of the Residential AOC. 26 loads of re-use material and 7 loads of non-hazardous material were removed from this area and sent to the on-site stock pile. (Approx. 495 Cy)
- Continued backfill activities in the Southern section of the Residential AOC.
- Placed 1,073.26 tons of backfill material in the Residential AOC excavation areas.
- Completed placing orange woven demarcation fabric in the Residential AOC excavation areas after achieving final grade.
- Removed remaining walers from the building 6 area and began excavation of remaining hazardous soil.
- Resumed cutting sheets in the building 6 area.
- Continued to manage stock piles.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/10/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying performed layout and assisted with the excavation depths in the NJCU parking lot. Settlement and deformation monitoring points were also shot.
- Sor Testing was on site for Nuclear Density testing in the NJCU AOC.
- Tetrattech was on site for sampling on behalf of NJCU.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Loren Casale – Tetrattech
- Ryan Beachner - Tetrattech

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

January 11, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------------------------|---------------------|------------------|------------------|----------------|
| 1/11/2011 | Clear early, becoming cloudy | 2.7 Snow | 23-31 | 4-16 | W-WNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|------------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 1/11/2011 | MACTEC | CM | 4 | 40 | 1 | 8 | | |
| 1/11/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 1/11/2011 | Veneiro Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 1/11/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 1/11/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 1/11/2011 | SES | Excavation/Backfill | 5 | 50 | | | 15 | 125 |
| Totals | Totals | | 10 | 100 | 1 | 8 | 18 | 149 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 1/11/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 1/11/2011 | 5,881,116 | 5,921,775 | 40,659 | 43,200 | 40,659 | 5,921,679 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.
- Dewatering discontinued in building 6.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/11/2011 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/11/2011 | | | | None | | | | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 1/11/2011 | Armored | Common borrow | 996.18 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|--------|-----------------------|------------------|-----|
| 1/11/2011 | 1 | Pallet | Calcium Chloride | Triboro Hardware | |
| 1/11/2011 | 1 | Each | 17 Ton Crosby Shackle | Triboro Hardware | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Completed backfill activities and fine grading for asphalt in the Southern section of the Residential AOC.
- Placed 705.81 tons of backfill material in the Southern Residential AOC excavation area.
- Continued excavation of hazardous soil in the building 6 area.
- Installed 16 oz. non-woven fabric for bridging lift in the building 6 area.
- Continued cutting sheet pile to final elevation in the building 6 area.
- Prepared for winter storm by placing calcium chloride over sub-grade.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|------------------------|--------------------|---------------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/11/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying performed layout and assisted with the excavation depths in the NJCU parking lot. Settlement and deformation monitoring points were also shot.
- Sor Testing was on site for Nuclear Density testing in the NJCU AOC.
- Tetrattech/Advanced was on site for sampling on behalf of NJCU.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | 1/11/2011 |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | |
| 1 | PC 300 | 1/11/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Loren Casale – Tetrattech
- Ryan Beachner – Tetrattech
- Aubrey Veirheitig - Advanced
- Ted Toskos – Mactec
- Michelle Daly – Mactec
- Geoff Shallard – Mactec
- Christopher Pickles - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

January 12, 2011

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------|---------------------|------------------|------------------|----------------|
| 1/12/2011 | Partly Cloudy | 6.4 Snow | 24-32 | 4-16 | W-WNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 1/12/2011 | MACTEC | CM | 3 | 24 | | | | |
| 1/12/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 1/12/2011 | Veneiro Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 1/12/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 1/12/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 1/12/2011 | SES | Excavation/Backfill | 5 | 50 | | | 15 | 125 |
| Totals | Totals | | 9 | 84 | 0 | 0 | 18 | 149 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 1/12/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 1/12/2011 | 5,921,775 | 5,982,957 | 61,182 | 57,600 | 61,182 | 5,982,861 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.
- Dewatering discontinued in building 6.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/12/2011 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/12/2011 | | | | None | | | | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|--------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|--------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|--------------------|-------------|-----|
| 1/12/2011 | 128.18 | Tons | 1 1/2" Clean Stone | Tilcon | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Installed bridge lift stone (1 ½" clean stone) over 16 oz. non-woven geo-textile in building 6.
- Continued cutting sheet pile to final elevation in the building 6 area.
- Removed snow and spread calcium chloride on job site, job site parking lot and the Residential AOC.
- Removed 2 loads of hazardous soil from the building 6 area to complete excavation. (24 Cy)
- Performed decontamination of a Veneiro dump truck.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/12/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying performed layout and assisted with the excavation depths in the NJCU parking lot. Settlement and deformation monitoring points were also shot.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | 1/11/2011 |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | |
| 1 | PC 300 | 1/11/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

January 13, 2011

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 1/14/2011 | Clear | 0 | 25-31 | 3-14 | NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 1/13/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 1/13/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 1/13/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 1/13/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 1/13/2011 | SES | Excavation/Backfill | 5 | 50 | | | 15 | 121 |
| Totals | Totals | | 10 | 92 | 1 | 8 | 17 | 137 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 1/13/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 1/13/2011 | 5,982,957 | 6,027,747 | 44,790 | 43,200 | 44,790 | 6,027,651 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.
- Dewatering discontinued in building 6.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/13/2011 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/13/2011 | | | | None | | | | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|--------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|--------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|--------------------|----------|
| 1/13/2011 | Tilcon | 1 1/2" Clean Stone | 137.04 |
| 1/13/2011 | Armored | Common borrow | 642.03 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|---------|-------------|-------------|-----|
| 1/13/2011 | 346.7 | Gallons | Biodiesel | Taylor Oil | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued cutting sheet pile to final elevation in the building 6 area.
- Removed snow mixed with backfill material in Residential AOC parking lot at the request of NJCU.
- Trimmed fabric on the edge of asphalt in the Residential AOC.
- Placed 480 Cy of backfill in the building 6 area.
- Prepared for non-hazardous excavation in the building 5 area.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/13/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying performed layout of non-hazardous excavation in building 5 and settlement monitoring points.
- Roman Asphalt delivered equipment on site in preparation for asphalt paving in the Residential AOC parking lot.
- Sor testing was on site for nuclear density testing.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | 1/11/2011 |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | |
| 1 | PC 300 | 1/11/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

January 14, 2011

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------|---------------------|------------------|------------------|----------------|
| 1/14/2011 | Partly Cloudy | 0 | 19-32 | 1-10 | W-N-NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 1/14/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 1/14/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 1/14/2011 | Roman Asphalt | Asphalt Contractor | | | | | 7 | 56 |
| 1/14/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 1/14/2011 | New Jersey Striping | Striping Contractor | | | | | 4 | 32 |
| 1/14/2011 | SES | Excavation/Backfill | 5 | 50 | | | 15 | 113 |
| Totals | Totals | | 9 | 84 | 1 | 8 | 27 | 209 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 1/14/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 1/14/2011 | 6,027,747 | 6,071,410 | 43,663 | 43,200 | 43,663 | 6,071,314 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.
- Dewatering discontinued in building 6.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/14/2011 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/14/2011 | | | | None | | | | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 1/14/2011 | Armored | Common borrow | 1429.55 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Placed 725 Cy of backfill in the building 6 area.
- Removed 10 loads (150 Cy) of hazardous soil from the building 5 area. This material was underneath the Moretrench work platform.
- Continued cutting sheets in the building 6 area.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/14/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Roman Asphalt paved the Residential AOC parking lot.
- New Jersey Striping striped the Residential AOC parking lot after asphalt paving was completed.
- Sor testing was on site for nuclear density testing.
- Tetrtech/Advanced was on site for sampling on behalf of NJCU.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | 1/11/2011 |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | |
| 1 | PC 300 | 1/11/2011 | |

GENERAL COMMENTS/ISSUES:

- Severson experienced a theft in the overnight hours. Approximately \$15,000 worth of various equipment was taken from the job site. The Jersey City Police were notified and a formal report was filed. NJCU was also notified about the incident due to a lock being cut on their gate which allowed the intruders to gain entry to the job site. All reports are pending.

VISITORS ONSITE:

- Denise Gourdine – NJCU
- Detective Raymond Solt – JCPD
- Loren Casale – Tetrattech
- Ryan Beachner – Tetrattech
- Aubrey Veirheitig - Advanced

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

January 17, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------|---------------------|------------------|------------------|----------------|
| 1/17/2011 | Partly Cloudy | 0.1 | 21-27 | 1-9 | NNW-NNE-NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|--------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 1/17/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 1/17/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 1/17/2011 | Roman Asphalt | Asphalt Contractor | | | | | 4 | 8 |
| 1/17/2011 | Sor Testing | Compaction Testing | | | | | 1 | 8 |
| 1/17/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 1/17/2011 | Gianns | Electrical Subcontractor | | | | | 1 | 1 |
| 1/17/2011 | SES | Excavation/Backfill | 5 | 50 | | | 16 | 127 |
| Totals | Totals | | 9 | 84 | 1 | 8 | 23 | 152 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 1/17/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 1/15/2011 | 6,071,410 | 6,107,531 | 36,121 | 36,000 | 36,121 | 6,107,435 | 24 |
| 1/16/2011 | 6,107,531 | 6,143,652 | 36,121 | 36,000 | 36,121 | 6,143,556 | 24 |
| 1/17/2011 | 6,143,652 | 6,179,774 | 36,122 | 36,000 | 36,122 | 6,179,678 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.
- Dewatering discontinued in building 6.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/17/2011 | | | | None | | | | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/17/2011 | | | | None | | | | |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 1/17/2011 | Armored | Common borrow | 958.87 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|------------------------------|----------------|-----|
| 1/17/2011 | 1 | Each | Spectra Laser Level | Keystone | |
| 1/17/2011 | 1 | Each | Spectra Receiver | Keystone | |
| 1/17/2011 | 1 | Each | Spectra Tripod | Keystone | |
| 1/17/2011 | 3 | Each | Corrosion Resistant Padlocks | McMcastar Carr | |
| 1/17/2011 | 1 | Each | 6.2 KW Generator | Grainger | |
| 1/17/2011 | 1 | Each | Plate Tamper | United Rentals | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:*Excavation/Backfill Activities/Comments/Issues:*

- Placed approximately 532 Cy of backfill in the building 6 area.
- Removed 4 loads (Approx. 60 Cy) of hazardous soil from the building 5 area. This material was underneath the Moretrench work platform.
- Resumed excavation of non hazardous soil (elevation 8 to 4) in the building 5 area.
- Removed 32 loads (Approx. 480 Cy) of non hazardous soil from the building 5 area.
- Continued cutting sheets in the building 6 area.
- Reinstalled guard rail in the Residential AOC parking lot.
- Managed on site stock piles.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/17/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Roman Asphalt sealed the asphalt in the Residential AOC parking lot.
- Roman Asphalt demobilized from site.
- Sor testing was on site for nuclear density testing.
- Kenyon Surveying was on site to shoot Settlement and Deformation monitoring points.
- Giannos Electric was on site to discuss lighting options for increased security during off hours.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | 1/11/2011 |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | |
| 1 | PC 300 | 1/11/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Joe Clifford – Mactec
- Chris Schmidt - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

January 18, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------------|-----------------------|------------------|------------------|----------------|
| 1/18/2011 | Freezing Rain, Rain | 0.92 Rain 1.9 Snow | 30-38 | 2-39 | NE-N |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 1/18/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 1/18/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 1/18/2011 | SES | Excavation/Backfill | 5 | 50 | | | 16 | 130 |
| Totals | Totals | | 9 | 84 | 1 | 8 | 16 | 130 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 1/18/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 1/18/2011 | 6,179,774 | 6,226,884 | 47,110 | 43,200 | 47,110 | 6,226,788 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.
- Dewatering discontinued in building 6.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/18/2011 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/18/2011 | | | | None | | | | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|---------------------------|-------------|-----|
| 1/18/2011 | 42 | Rolls | Orange Demarcation Fabric | IWT Cargo | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:*Excavation/Backfill Activities/Comments/Issues:*

- Removed snow and ice from the jobsite and the jobsite parking lot.
- Removed discharge piping leading from building 6 to the Waste Water Treatment Plant.
- Continued excavation of non hazardous soil in the building 5 area to elevation -2.0
- Removed 60 loads (Approx. 960 Cy) of non hazardous soil from the building 5 area.
- Set up sump to handle surface water runoff in the building 5 area. The excavation is dry to -2.0 with a minor amount of perched ground water.
- Continued cutting sheets in the building 6 area.
- Managed on site stock piles.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/18/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | 1/11/2011 |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

January 19, 2011

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|----------------------|---------------------|------------------|------------------|----------------|
| 1/19/2011 | Cloudy, brief shower | 0.08 | 36-42 | 1-11 | SSW-WSW-NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 1/19/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 1/19/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 1/19/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 1/19/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 1/19/2011 | SES | Excavation/Backfill | 5 | 50 | | | 16 | 130 |
| Totals | Totals | | 9 | 84 | 1 | 8 | 19 | 154 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 1/19/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- Readings above 60 µg/m3 at 11:22 were the result of general atmospheric conditions. Melting and evaporating snow created a low level haze across the entire site.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 1/19/2011 | 6,226,884 | 6,267,224 | 40,340 | 43,200 | 40,340 | 6,267,128 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.
- Dewatering discontinued in building 6.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/19/2011 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/19/2011 | 33 | Rebco/Veniero | Non-Haz Soil | 789.97 | 7,487.69 | 23.94 | 26 | MCL |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 1/19/2011 | Armored | Common borrow | 180.46 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|---------|-------------|-------------|-----|
| 1/19/2011 | 406 | Gallons | Biodiesel | Taylor Oil | |
| 1/19/2011 | 6 | Bottles | Oxygen | SOS Gases | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued to remove discharge piping leading from building 6 to the Construction Water Treatment Plant.
- Continued excavation of non hazardous soil in the building 5 area to elevation -2.0.
- Removed 50 loads (Approx. 896 Cy) of non hazardous soil from the building 5 area.
- Loaded out 33 trucks of non-hazardous soil (approx. 789.97 Cy).
- Encountered one sheet pile interlock that separated 2-3" from 8ft. below TOS to toe. Installed straw to stop sand loss temporarily and welded a steel plate to cover the gap until a permanent repair is made.
- Encountered a buried well in building 5. This well was plugged to stop water from entering excavation.
- Continued cutting sheets in the building 6 area.
- Managed on site stock piles.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/19/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to layout building 5 excavation limits and to shoot the Settlement and Deformation monitoring points.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | 1/11/2011 |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

January 20, 2011

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------|---------------------|------------------|------------------|----------------|
| 1/20/2011 | Partly Cloudy | 0 | 31-33 | 1-12 | NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|--------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 1/20/2011 | MACTEC | CM | 3 | 24 | | | | |
| 1/20/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 1/20/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 1/20/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 1/20/2011 | Giannos Electric | Electrical Subcontractor | | | | | 2 | 8 |
| 1/20/2011 | SES | Excavation/Backfill | 5 | 50 | | | 16 | 130 |
| Totals | Totals | | 9 | 84 | 0 | 0 | 21 | 162 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 1/20/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day)* |
|------------|--------------------|----------------|---------------|--|-------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 1/20/2011 | 6,267,224 | 6,313,689 | 46,465 | 43,200 | 46,465 | 6,313,593 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.
- Dewatering discontinued in building 6.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/20/2011 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/20/2011 | 38 | Rebco/Veniero | Non-Haz Soil | 909.98 | 8,397.67 | 23.95 | 27 | MCL |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|--------------------|----------|
| 1/20/2011 | Weldon | 1 1/2" Clean Stone | 92.49 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|---------|-------------|------------------|-----|
| 1/20/2011 | 506 | Gallons | Biodiesel | Taylor Oil | |
| 1/20/2011 | 1 | Each | Kubota | Harter Equipment | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued excavation from elevation +4.0 – 0.0 of hazardous and reuse material in the building 5 area.
- Removed 31 loads (approx. 496 Cy) of hazardous soil and 22 loads of reuse material (approx. 352 Cy) from the building 5 area.
- Loaded out 38 trucks of non-hazardous soil (approx. 545 Cy).
- Continued cutting sheets in the building 6 area.
- Managed on site stock piles.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|------------------------|--------------------|---------------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/20/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to layout building 5 excavation limits and to shoot the Settlement and Deformation monitoring points.
- Giannos Electric was on site to install two 400 watt lights overlooking storage containers.

MAJOR EQUIPMENT:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | 1/11/2011 |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

January 21, 2011

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|--------------------------------|-----------------------|------------------|------------------|----------------|
| 1/21/2011 | Snow early, then partly cloudy | 0.45 Rain 4.5 Snow | 24-32 | 2-19 | NNW-WNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 1/21/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 1/21/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 1/21/2011 | SES | Excavation/Backfill | 5 | 48 | | | 16 | 130 |
| Totals | Totals | | 9 | 82 | 1 | 8 | 16 | 130 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 1/21/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- Delayed start due to morning snow.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 1/21/2011 | 6,313,689 | 6,350,550 | 36,861 | 36,000 | 36,861 | 6,350,454 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.
- Dewatering discontinued in building 6.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/21/2011 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/21/2011 | | | | None | | | | Landfill Closed |

Roll-Off Boxes:

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued excavation from elevation +4.0 – 0.0 of hazardous soil in the building 5 area. Removed 52 loads (approx. 832 Cy) of hazardous soil.
- Welded an additional steel plate over the separated sheets in building 5.
- Continued cleaning discharge piping from building 6 to the Construction Water Treatment Plant.
- Managed on site stock piles.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/21/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- None

MAJOR EQUIPMENT:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | 1/11/2011 |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Joe Clifford – Mactec
- Chris Schmidt - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

January 24, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 1/24/2011 | Clear | 0 | 7-21 | 1-8 | NNW-WSW-SSW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 1/24/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 1/24/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 1/24/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 1/24/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 1/24/2011 | SES | Excavation/Backfill | 5 | 50 | | | 14 | 114 |
| Totals | Totals | | 10 | 92 | 1 | 8 | 17 | 138 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 1/24/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 1/22/2011 | 6,350,550 | 6,398,059 | 47,509 | 43,200 | 47,509 | 6,397,963 | 24 |
| 1/23/2011 | 6,398,059 | 6,434,620 | 36,561 | 36,000 | 36,561 | 6,434,524 | 24 |
| 1/24/2011 | 6,434,620 | 6,468,259 | 33,639 | 36,000 | 33,639 | 6,468,163 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.
- Dewatering discontinued in building 6.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/24/2011 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/24/2011 | 26 | Rebco/Veniero | Non-Haz Soil | 599.44 | 8,997.11 | 23.06 | 26 | MCL |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|--------|------------------|------------------|-----|
| 1/24/2011 | 1 | Pallet | Calcium Chloride | Triboro Hardware | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued excavation of hazardous soil from elevation 0 to -6, non-hazardous soil from elevation 4 to 0 and re-use material from elevation 8 to 4 in the building 5 area.
- Removed 22 loads (approx. 352 Cy) of hazardous soil, 6 loads (approx. 98 Cy) of non-hazardous soil and 14 loads (approx. 224 Cy) of re-use material from building 5.
- Managed and covered on site stock piles.
- Continued load out of non-hazardous soil. Removed 26 loads (599.44 tons) for offsite disposal from the stock pile.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|------------------------|--------------------|---------------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/24/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site for As Built survey of building 5 excavation and Settlement Monitoring Points.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | 1/11/2011 |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

January 25, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|-----------------------------|-----------------------|------------------|------------------|----------------|
| 1/25/2011 | AM Light Snow, PM Cloudy | 0.03 Rain 0.5 Snow | 27-37 | 1-7 | SW-W-WSW-SSW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 1/25/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 1/25/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 1/25/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 1/25/2011 | SES | Excavation/Backfill | 5 | 50 | | | 14 | 114 |
| Totals | Totals | | 10 | 92 | 1 | 8 | 16 | 130 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 1/25/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 1/25/2011 | 6,468,259 | 6,504,270 | 36,011 | 36,000 | 36,011 | 6,504,174 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/25/2011 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/24/2011* | 26 | Rebco/Veniero | Non-Haz Soil | 622.16 | 9,019.83 | 23.93 | 26 | MCL |
| 1/25/2011 | 38 | Rebco/Veniero | Non-Haz Soil | 891.76 | 9,911.59 | 23.47 | 15 | MCL |

*Please note, totals for 1/24/2011 have been revised upward.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|---------|-------------|-------------|-----|
| 1/25/2011 | 504 | Gallons | Biodiesel | Taylor Oil | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued excavation of re-use material from elevation 8 to 4 in the building 5 area. Removed 86 loads (approx. 1032 Cy) of re-use material.
- Managed and covered on site stock piles.
- Continued load out of non-hazardous soil. Removed 38 loads (891.76 tons) for offsite disposal from the stock pile.
- Prepared concrete stockpile for crusher expected to arrive next week.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/25/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | 1/11/2011 |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

January 26, 2011

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|------------------------|------------------|------------------|----------------|
| 1/26/2011 | Snow | 0.97 Rain 11.0 Snow | 30-33 | 1-40 | NE-N |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 1/26/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 1/26/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 1/26/2011 | Arecon | Disposal | | | | | 2 | 10 |
| 1/26/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 1/26/2011 | SES | Excavation/Backfill | 5 | 50 | | | 14 | 114 |
| Totals | Totals | | 10 | 92 | 1 | 8 | 17 | 132 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 1/26/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 1/26/2011 | 6,504,270 | 6,542,250 | 37,980 | 36,000 | 37,980 | 6,542,154 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/25/2011 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/26/2011 | 16 | Rebco/Veniero | Non-Haz Soil | 379.59 | 10,291.18 | 23.72 | 20 | MCL |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|--------------------------|------------------|-----|
| 1/26/2011 | 40 | Rolls | 20'x100' Poly Sheeting | Triboro Hardware | |
| 1/26/2011 | 24 | Rolls | Transnet 330 (GDL Liner) | Skaps | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued excavation of non-hazardous soil from elevation 8 to 4 in the building 5 area. Removed 54 loads (approx. 756 Cy) of non-hazardous soil.
- Managed and covered stock piles.
- Continued load out of non-hazardous soil. Removed 16 loads (379.59 tons) for offsite disposal from the stock pile. Curtailed load out after landfill closed early due to winter weather.
- Prepared concrete stockpile for crusher expected to arrive next week.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/26/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to layout building 5, backfill in building 6 and to shoot Settlement Monitoring Points.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 8/10/2010 | 1/11/2011 |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

January 27, 2011

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------|-----------------------|------------------|------------------|----------------|
| 1/27/2011 | Partly Cloudy | 1.04 Rain 7.9 Snow | 2-23 | 29-37 | WNW-NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 1/27/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 1/27/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 1/27/2011 | SES | Excavation/Backfill | 5 | 50 | | | 11 | 82 |
| Totals | Totals | | 10 | 92 | 1 | 8 | 11 | 82 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 1/27/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- Monitoring suspended due to weather.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 1/27/2011 | 6,542,250 | 6,582,480 | 40,230 | 36,000 | 40,230 | 6,582,384 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/25/2011 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/27/2011 | 0 | N/A | N/A | 0 | 10,291.18 | 0 | 0 | Landfill Closed |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Removed snow from main entrance, building 5 excavation area and job site.
- Spread calcium chloride around job site to de-ice walking areas for safety.
- Prepared for non-hazardous soil load out for 1/28/2011.
- No material sent for disposal as landfill was closed.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/27/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Geoff Shallard
- Christopher Pickles

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

January 28, 2011

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|--------------|---------------------|------------------|------------------|----------------|
| 1/28/2011 | Cloudy, hazy | 0 | 27-36 | 0-5 | SSW-SW-W-SSE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 1/28/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 1/28/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 1/28/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 1/28/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 1/28/2011 | SES | Excavation/Backfill | 5 | 50 | | | 11 | 80 |
| Totals | Totals | | 10 | 92 | 1 | 8 | 14 | 104 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 1/28/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- Readings above 100 µg/m3 at all monitors were the result of atmospheric conditions. Melting and evaporating snow created a low level haze across the entire site.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 1/28/2011 | 6,582,480 | 6,619,442 | 36,962 | 40,000 | 36,962 | 6,619,346 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/28/2011 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/28/2011 | 36 | Rebco/Veniero | Non-Haz Soil | 820.47 | 11,111.65 | 22.79 | 27 | MCL |

- Total to date to New Jersey Meadowlands Commission – 6,697.72 tons
- Total to date to Middlesex County – 4,413.93 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|--------------------------|-------------|-----|
| 1/28/2011 | 27 | Rolls | Transnet 330 (GDL Liner) | Skaps | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued snow removal activities near the office trailers.
- Continued excavation of non-hazardous soil and re-use material from elevation 8 to 4 in the building 5 area. Removed 29 (approx. 435 Cy) of non-hazardous soil and 26 loads (approx. 390 Cy) of re-use material
- Continued to manage on site stock piles.
- Continued load out of non-hazardous soil from the stockpile. 36 loads shipped off-site (approx. 820.47 tons).

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/28/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site for Settlement Monitoring Points and layout of building 5 excavation.

MAJOR EQUIPMENT:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

January 31, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 1/31/2011 | Clear | 0 | 22-32 | 1-8 | N |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 1/31/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 1/31/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 1/31/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 1/31/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 1/31/2011 | Armored | Crushing Subcontractor | | | | | 2 | 8 |
| 1/31/2011 | SES | Excavation/Backfill | 5 | 50 | | | 12 | 98 |
| Totals | Totals | | 10 | 92 | 1 | 8 | 17 | 130 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 1/31/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 1/29/2011 | 6,619,442 | 6,664,939 | 45,497 | 43,200 | 45,497 | 6,664,843 | 24 |
| 1/30/2011 | 6,664,939 | 6,700,954 | 36,015 | 36,000 | 36,015 | 6,700,858 | 24 |
| 1/31/2011 | 6,700,954 | 6,736,456 | 35,502 | 36,000 | 35,502 | 6,736,360 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/31/2011 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 1/31/2011 | 47 | Rebco/Veniero | Non-Haz Soil | 1,136.53 | 12,248.18 | 24.18 | 26 | MCL |

- Total to date to New Jersey Meadowlands Commission – 6,697.72 tons
- Total to date to Middlesex County – 5,550.46 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|---------|------------------|------------------|-----|
| 1/31/2011 | 529 | Gallons | Biodiesel | Taylor Oil | |
| 1/31/2011 | 1 | Pallet | Calcium Chloride | Triboro Hardware | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:*Excavation/Backfill Activities/Comments/Issues:*

- Continued excavation of non-hazardous soil from elevation 4 to 0 in the building 5 area. Removed 71 loads (approx. 1065 Cy) of non-hazardous soil.
- Continued to manage on site stock piles.
- Continued load out of non-hazardous soil from the onsite stockpile. 47 loads shipped off-site (approx. 1,136.53 tons).

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/31/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site for Settlement Monitoring Points and layout of building 5 excavation.
- Armored Inc. was on site to mobilize Extec C-12 Crushing Unit for sizing concrete material.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extec C-12 Crushing Unit | 1/31/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
February 1, 2011
Tuesday
WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|-------------------------------|-----------------------|------------------|------------------|----------------|
| 2/1/2011 | Snow, Sleet, Freezing Rain | 0.12 Rain 0.6 Snow | 25-31 | 1-16 | N-NE-NW-NNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|----------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 2/1/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 2/1/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 2/1/2011 | Arecon | Disposal | | | | | 2 | 17 |
| 2/1/2011 | Atlantic Scale | Scale Subcontractor | | | | | 2 | 3 |
| 2/1/2011 | Armored | Crushing Subcontractor | | | | | 2 | 20 |
| 2/1/2011 | SES | Excavation/Backfill | 5 | 50 | | | 14 | 118 |
| Totals | Totals | | 10 | 92 | 1 | 8 | 20 | 158 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 2/1/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:
Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- Monitoring suspended due to precipitation.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 2/1/2011 | 6,736,456 | 6,773,677 | 37,221 | 40,000 | 37,221 | 6,773,581 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/1/2011 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/1/2011 | 32 | Rebco/Veniero | Non-Haz Soil | 767.62 | 13,015.80 | 23.99 | 15 | MCL |

- Total to date to New Jersey Meadowlands Commission – 6,697.72 tons
- Total to date to Middlesex County – 6,318.08 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|----------|----------|-------|-------------|-------------|-----|
| 2/1/2011 | 1 | Load | Rock Salt | Veniero | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued excavation of non-hazardous soil from elevation 4 to 0 in the building 5 area. Removed 46 loads (approx. 690 Cy) of non-hazardous soil.
- Continued to manage on site stock piles.
- Continued load out of non-hazardous soil from the onsite stockpile. 32 loads shipped off-site.
- Continued loading Extec C-12 crushing unit from concrete stockpile (approx. 2,000 tons).

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 2/1/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Atlantic Scale was on site to replace a fuse in the panel box for the scale unit.
- Armored Inc. was on site to crush concrete with Extec C-12 crushing unit.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extec C-12 Crushing Unit | 1/31/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
February 2, 2011
Wednesday
WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|-----------------------------|-----------------------|------------------|------------------|----------------|
| 2/2/2011 | Freezing Rain, Rain, Fog | 0.83 Rain 0.8 Snow | 31-36 | 1-13 | NW-N-WNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 2/2/2011 | MACTEC | CM | 4 | 26 | 1 | 6 | | |
| 2/2/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 2/2/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 2/2/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 2/2/2011 | Armored | Crushing Subcontractor | | | | | 2 | 20 |
| 2/2/2011 | SES | Excavation/Backfill | 5 | 50 | | | 14 | 118 |
| Totals | Totals | | 10 | 86 | 1 | 6 | 19 | 162 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 2/2/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:
Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m³ TWA-8hr.
- No readings above trigger level of 200µg/m³-TWA-15min.
- Monitoring suspended due to precipitation.
- No wind speed recorded before 12:30pm due to ice on the weather station.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 2/2/2011 | 6,773,677 | 6,813,119 | 39,442 | 40,000 | 39,442 | 6,813,023 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/2/2011 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/2/2011 | 16 | Rebco/Veniero | Non-Haz Soil | 383.27 | 13,399.07 | 23.95 | 11 | MCL |

- Total to date to New Jersey Meadowlands Commission – 6,697.72 tons
- Total to date to Middlesex County – 6,701.35 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|----------|----------|-------|--------------|------------------|-----|
| 2/2/2011 | 13 | Each | Rain Suits | Triboro Hardware | |
| 2/2/2011 | 2 | Each | Snow Shovels | Triboro Hardware | |

EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued excavation of non-hazardous soil from elevation 4 to 0 in the building 5 area. Removed 56 loads (approx. 840 Cy) of non-hazardous soil.
- Continued to manage on site stock piles.
- Continued load out of non-hazardous soil from the onsite stockpile. 16 loads shipped off-site.
- Sized large pieces of concrete for crushing.
- Continued loading Extec C-12 crushing unit from concrete stockpile (approx. 2,000 tons crushed today).

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|------------------------|--------------------|---------------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 2/2/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to shoot building 5 layout and Settlement Monitoring Points.
- Armored Inc. was on site to crush concrete with Extec C-12 crushing unit.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extex C-12 Crushing Unit | 1/31/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

February 3, 2011

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|---------------------|------------------|------------------|----------------|
| 2/3/2011 | Clear | 0 | 25-34 | 3-17 | NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 2/3/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 2/3/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 2/3/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 2/3/2011 | Armored | Crushing Subcontractor | | | | | 2 | 20 |
| 2/3/2011 | B&B Drilling | Drilling Subcontractor | | | | | 2 | 16 |
| 2/3/2011 | SES | Excavation/Backfill | 5 | 50 | | | 14 | 122 |
| Totals | Totals | | 9 | 84 | 1 | 8 | 20 | 174 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 2/3/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m³ TWA-8hr.
- No readings above trigger level of 200µg/m³-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 185 - TW-01-020311 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 2/3/2011 | 6,813,119 | 6,864,250 | 51,131 | 50,400 | 51,131 | 6,864,154 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/3/2011 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/3/2011 | 51 | Rebco/Veniero | Non-Haz Soil | 1,216.86 | 14,615.93 | 23.86 | 16 | MCL |

- Total to date to New Jersey Meadowlands Commission – 6,697.72 tons
- Total to date to Middlesex County – 7,918.21 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued excavation of non-hazardous soil from elevation 4 to 0 and 0 to -6 in the building 5 area. Removed 52 loads (approx. 780 Cy) of non-hazardous soil.
- Continued to manage on site stock piles.
- Continued load out of non-hazardous soil from the onsite stockpile. 51 loads shipped off-site.
- Sized large pieces of concrete for crushing.
- Continued loading Extec C-12 crushing unit from concrete stockpile (approx. 2,000 tons crushed today). Crushing of the material from the concrete stockpile is now completed.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|------------------------|--------------------|---------------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 2/3/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Armored Inc. was on site to crush concrete with Extec C-12 crushing unit.
- B&B Drilling was on site to initiate well abandonment.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extec C-12 Crushing Unit | 1/31/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Brian Senna - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

February 4, 2011

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------------|---------------------|------------------|------------------|----------------|
| 2/4/2011 | Partly Cloudy | 0 | 21-34 | 2-15 | SW-W |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 2/4/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 2/4/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 2/4/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 2/4/2011 | Armored | Crushing Subcontractor | | | | | 2 | 2 |
| 2/4/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 2/4/2011 | SES | Excavation/Backfill | 5 | 50 | | | 14 | 120 |
| Totals | Totals | | 9 | 84 | 1 | 8 | 19 | 146 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 2/4/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 185 - TW-01-020311 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 2/4/2011 | 6,864,250 | 6,908,782 | 44,532 | 43,200 | 44,532 | 6,908,686 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/4/2011 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/4/2011 | 50 | Rebco/Veniero | Non-Haz Soil | 1,178.60 | 15,794.53 | 23.57 | 25 | MCL |

- Total to date to New Jersey Meadowlands Commission – 6,697.72 tons
- Total to date to Middlesex County – 9,096.81 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:*Excavation/Backfill Activities/Comments/Issues:*

- Continued excavation of non-hazardous soil from elevation 4 to 0 and 0 to -6 in the building 5 area. Removed 29 loads (approx. 435 Cy) of non-hazardous soil.
- Continued to manage on site stock piles.
- Continued load out of non-hazardous soil from the onsite stockpile. 50 loads shipped off-site.
- Continued loading Extec C-12 crushing unit from concrete stockpile (approx. 2,000 tons crushed today). Crushing of the material from the concrete stockpile is now completed.
- Initiated staging of crushed concrete in the East end of building 5 for placement in the bottom for the bridge lift.
- Extended existing well in building 5 and placed steel sleeve over well for protection. This well will be abandoned after backfill is complete.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 2/4/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Armored Inc. was on site to demobilize Extec C-12 crushing unit.
- Kenyon Surveying was on site to shoot Settlement and Deformation monitoring points and to survey building 5.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extex C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | |

GENERAL COMMENTS/ISSUES:

- At 9:01am, the vibration monitor at the Honda Dealership recorded an excursion of 7.55 inches per second which was over the limit of .5 inches per second. There was no SA-5 site work taking place in the area at the time.

VISITORS ONSITE:

- Brian Senna - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

February 7, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------------|---------------------|------------------|------------------|----------------|
| 2/7/2011 | Partly Cloudy | 0.07 | 32-45 | 0-7 | SSW-SSE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 2/7/2011 | MACTEC | CM | 3 | 20 | 1 | 8 | | |
| 2/7/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 2/7/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 2/7/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 2/7/2011 | SES | Excavation/Backfill | 5 | 50 | | | 15 | 121 |
| Totals | Totals | | 9 | 80 | 1 | 8 | 18 | 145 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 2/7/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- Readings above 60µg/m3 at all monitors were the result of atmospheric conditions. Melting and evaporating snow created a low level haze across the entire site.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 185 - TW-01-020311 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 2/5/2011 | 6,908,782 | 6,957,379 | 48,597 | 50,000 | 48,597 | 6,957,283 | 24 |
| 2/6/2011 | 6,957,379 | 6,999,936 | 42,557 | 40,000 | 42,557 | 6,999,840 | 24 |
| 2/7/2011 | 6,999,936 | 7,065,853 | 65,917 | 64,800 | 65,917 | 7,065,757 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/7/2011 | | | | None | | | | |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/7/2011 | 44 | Rebco/Veniero | Non-Haz Soil | 1,012.85 | 16,807.38 | 23.02 | 17 | MCL |

- Total to date to New Jersey Meadowlands Commission – 6,697.72 tons
- Total to date to Middlesex County – 10,109.66 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|----------|----------|---------|------------------------|-------------|-----|
| 2/7/2011 | 186.4 | Gallons | Biodiesel | Taylor Oil | |
| 2/7/2011 | 14 | Bags | Paragranular Bentonite | Kenseal | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued excavation of non-hazardous soil from elevation 4 to 0 and 0 to -6 in the building 5 area. Removed 50 loads (approx. 750 Cy) of non-hazardous soil.
- Continued load out of non-hazardous soil from the onsite stockpile. 44 loads shipped off-site.
- Continued staging of crushed concrete in the East end of building 5 for placement in the bottom for the bridge lift.
- Initiated installation of steel box containment and bentonite at separated sheet piles in building 5.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|------------------------|--------------------|---------------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 2/7/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to shoot Settlement and Deformation monitoring points and to survey building 5.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extex C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

February 8, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|------------------------------------|---------------------|------------------|------------------|----------------|
| 2/8/2011 | Rain, then partly cloudy and windy | 0.07 | 30-40 | 4-25 | SW-WNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 2/8/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 2/8/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 2/8/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 2/8/2011 | SES | Excavation/Backfill | 5 | 50 | | | 15 | 121 |
| Totals | Totals | | 9 | 84 | 1 | 8 | 17 | 137 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 2/8/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:
Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- Delayed start due to rain.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 185 - TW-01-020311 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 2/8/2011 | 7,065,853 | 7,104,453 | 38,600 | 36,000 | 38,600 | 7,104,357 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/8/2011 | | | | None | | | | |

- Previous total sent to US Ecology as of 12/7/2010 is 14,803.15 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/8/2011 | 43 | Rebco/Veniero | Non-Haz Soil | 996.13 | 17,803.51 | 23.17 | 16 | MCL |

- Total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Total to date to Middlesex County – 11,870.90 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued excavation of non-hazardous soil from elevation 4 to 0 and 0 to -6 in the building 5 area. Removed 54 loads (approx. 810 Cy) of non-hazardous soil.
- Continued load out of non-hazardous soil from the onsite stockpile. 43 loads shipped off-site.
- Continued staging of crushed concrete in the East end of building 5 for placement in the bottom for the bridge lift.
- Completed temporary seal at the separated sheets in building 5. There was minor leakage on the sides and bottom of the plates.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-Present | 0 | | |
| 2/8/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extec C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

February 9, 2011

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------------|---------------------|------------------|------------------|----------------|
| 2/9/2011 | Partly Cloudy | 0 | 15-30 | 3-13 | W-WSW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 2/9/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 2/9/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 2/9/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 2/9/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 2/9/2011 | SES | Excavation/Backfill | 5 | 50 | | | 15 | 121 |
| Totals | Totals | | 9 | 84 | 1 | 8 | 18 | 145 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 2/9/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:*Toolbox Meeting Topic:*

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 185 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 2/9/2011 | 7,104,453 | 7,156,626 | 52,173 | 52,000 | 52,173 | 7,156,530 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/9/2011 | | | | None | | | | |

- Previous total sent to US Ecology as of 12/7/2010 is 14,803.15 tons

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/9/2011 | 44 | Rebco/Veniero | Non-Haz Soil | 1,023.63 | 18,827.14 | 23.26 | 20 | MCL |

- Total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Total to date to Middlesex County – 12,894.53 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued excavation of non-hazardous soil from elevation 4 to -2 and hazardous soil from 4 to 0 in the building 5 area. Removed 54 loads (approx. 810 Cy) of non-hazardous soil and 18 loads (approx. 270 Cy) of hazardous soil.
- Continued load out of non-hazardous soil from the onsite stockpile. 44 loads shipped off-site.
- Used hydraulic hammer to break up concrete slab to the North of building 5 excavation.
- Completed staging of crushed concrete in the East end of building 5.
- Began backfilling with crushed concrete for bridge lift in the bottom of building 5 (approx. 3 ft. thick).
- Installed secondary bentonite seal around the box out of separated sheets.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|------------------------|--------------------|---------------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-Present | 0 | | |
| 2/9/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to shoot Settlement and Deformation monitoring points and the excavation of building 5.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extec C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

February 10, 2011

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 2/10/2011 | Clear | 0 | 23-29 | 3-16 | NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 2/10/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 2/10/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 2/10/2011 | Arecon | Disposal | | | | | 2 | 14 |
| 2/10/2011 | SES | Excavation/Backfill | 5 | 50 | | | 15 | 121 |
| Totals | Totals | | 9 | 84 | 1 | 8 | 17 | 135 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 2/10/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- Readings above 100µg/m3 at MD-1 due to high gusty winds. Water truck began spraying.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 185 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 2/10/2011 | 7,156,626 | 7,208,560 | 51,934 | 50,400 | 51,934 | 7,208,464 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/10/2011 | | | | None | | | | |

- Previous total sent to US Ecology as of 12/7/2010 is 14,803.15 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/10/2011 | 45 | Rebco/Veniero | Non-Haz Soil | 1,043.62 | 19,870.76 | 23.19 | 21 | MCL |

- Total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Total to date to Middlesex County – 13,938.15 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Completed excavation of non-hazardous soil from elevation 4 to -2 hazardous soil from 4 to 0 and re-use material from elevation 8 to 4 in the building 5 area. Removed 47 loads (approx. 705 Cy) of non-hazardous soil, 10 loads of re-use material (approx. 150 Cy) and 7 loads (approx. 105 Cy) of hazardous soil.
- Continued load out of non-hazardous soil from the onsite stockpile. 45 loads shipped off-site.
- Completed staging of crushed concrete in the East end of building 5.
- Began backfilling with crushed concrete for bridge lift in the bottom of building 5 (approx. 3 ft. thick).

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-Present | 0 | | |
| 2/10/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extec C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Joe Sczurko - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

February 11, 2011

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|----------------------|---------------------|------------------|------------------|----------------|
| 2/11/2011 | Partly Cloudy, Clear | 0 | 19-38 | 1-13 | SW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 2/11/2011 | MACTEC | CM | 4 | 32 | 1 | 4 | | |
| 2/11/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 2/11/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 2/11/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 2/11/2011 | SES | Excavation/Backfill | 5 | 50 | | | 15 | 121 |
| Totals | Totals | | 10 | 92 | 1 | 4 | 18 | 145 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 2/11/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 185 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 2/11/2011 | 7,208,560 | 7,256,300 | 47,740 | 50,400 | 47,740 | 7,256,204 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/11/2011 | | | | None | | | | |

- Previous total sent to US Ecology as of 12/7/2010 is 14,803.15 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/11/2011 | 45 | Rebco/Veniero | Non-Haz Soil | 1,041.92 | 20,912.68 | 23.15 | 19 | MCL |

- Total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Total to date to Middlesex County – 14, 980.07 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:*Excavation/Backfill Activities/Comments/Issues:*

- Continued excavation of re-use material from elevation 8 to 4 in the building 5 area. 63 loads of re-use material (approx. 945 Cy) placed in the onsite stockpile.
- Continued load out of non-hazardous soil from the onsite stockpile. 45 loads shipped off-site.
- Continued excavating surface concrete at the northern limits of building 5.
- Continued placing crushed concrete in the bottom of building 5 excavation as a bridge lift.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-Present | 0 | | |
| 2/11/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to shoot Settlement Monitoring Points and excavation limits in building 5.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extec C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

February 14, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------|---------------------|------------------|------------------|----------------|
| 2/14/2011 | Partly Cloudy | 0 | 44-57 | 5-28 | WSW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 2/14/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 2/14/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 2/14/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 2/14/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 2/14/2011 | Atlantic Scale | Scale Subcontractor | | | | | 2 | 3 |
| 2/14/2011 | SES | Excavation/Backfill | 5 | 50 | | | 15 | 121 |
| Totals | Totals | | 10 | 92 | 1 | 8 | 20 | 148 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 2/14/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- HS-10 audit conducted resulting in 3 comments and no findings.

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- Readings of 85µg/m3 at MD-1 due to high gusty winds. Water truck used in accordance with approved plans.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 185 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 2/12/2011 | 7,256,300 | 7,299,465 | 43,165 | 45,000 | 43,165 | 7,299,369 | 24 |
| 2/13/2011 | 7,299,465 | 7,335,962 | 36,497 | 40,000 | 36,497 | 7,335,866 | 24 |
| 2/14/2011 | 7,335,962 | 7,375,744 | 39,782 | 40,000 | 39,782 | 7,375,648 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/14/2011 | | | | None | | | | |

- Previous total sent to US Ecology as of 12/7/2010 is 14,803.15 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/14/2011 | 48 | Rebco/Veniero | Non-Haz Soil | 1,141.92 | 22,054.60 | 23.79 | 20 | MCL |

- Total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Total to date to Middlesex County – 16,121.99 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|--------------------|----------|
| 2/14/2011 | Weldon | 1 1/2" Clean Stone | 49.33 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|-----------------------|-------------|-----|
| 2/14/2011 | 312 | Each | Liners for Haz Trucks | US Ecology | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued excavation of non-hazardous soil from elevation 4 to -6 in the building 5 area. 68 loads of non-hazardous soil (approx. 1,020 Cy) placed in the onsite stockpile.
- Continued load out of non-hazardous soil from the onsite stockpile. 48 loads shipped off-site.
- Continued excavating surface concrete at the northern limits of building 5. 8 loads of concrete placed in the onsite stockpile.
- Continued placing crushed concrete in the bottom of building 5 excavation as a bridge lift.
- Prepared hazardous stock pile for load out to commence on 2/15/2011.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|------------------------|--------------------|---------------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-Present | 0 | | |
| 2/14/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to shoot Settlement Monitoring Points and excavation limits in building 5.
- Atlantic Scale was onsite for calibration of the scale.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extec C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Cynthia Sundquist - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

February 15, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 2/15/2011 | Clear | 0 | 27-35 | 4-20 | WNW-N |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 2/15/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 2/15/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 2/15/2011 | Arecon | Disposal | | | | | 3 | 29 |
| 2/15/2011 | SES | Excavation/Backfill | 5 | 50 | | | 19 | 153 |
| Totals | Totals | | 10 | 92 | 1 | 8 | 22 | 182 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 2/15/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- One reading above trigger level of 200µg/m3-TWA-15min.
- Reading of 220µg/m3at MD-2 due to high gusty winds. Water truck used in accordance with approved plans.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 185 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 2/15/2011 | 7,375,744 | 7,426,749 | 51,005 | 50,000 | 51,005 | 7,426,653 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/15/2011 | 40 | Horwith | Haz Soil | 1,010.91 | 15,814.06 | 25.27 | 73 | US Ecology |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped* | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|---------------|------------------|-------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/11/2011 | 45 | Rebco/Veniero | Non-Haz Soil | 1,028.14 | 20,898.90 | 22.85 | 19 | MCL |
| 2/14/2011 | 48 | Rebco/Veniero | Non-Haz Soil | 1,136.68 | 22,035.58 | 23.68 | 20 | MCL |
| 2/15/2011 | 45 | Rebco/Veniero | Non-Haz Soil | 1,052.69 | 23,088.27 | 23.39 | 22 | MCL |

- Total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Total to date to Middlesex County – 17,155.66 tons
- * Please note, Net Tons Shipped for 2/11/11 and 2/14/11 have been revised due to scale calibration.

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued excavation of non-hazardous soil from elevation 4 to -6 in the building 5 area. 72 loads of non-hazardous soil (approx. 1,080 Cy) and 4 loads of hazardous soil (approx. 60 Cy) placed in the onsite stockpile.
- Continued load out of non-hazardous soil from the onsite stockpile. 45 loads shipped off-site.
- Initiated load out of hazardous soil from the onsite stockpile. 40 loads shipped off-site.
- Continued placing crushed concrete in the bottom of building 5 excavation as a bridge lift.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-Present | 0 | | |
| 2/15/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extec C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

February 16, 2011

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|----------------------|---------------------|------------------|------------------|----------------|
| 2/16/2011 | Partly Cloudy, Sunny | 0 | 28-48 | 1-14 | SSW-Variable |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 2/16/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 2/16/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 2/16/2011 | Arecon | Disposal | | | | | 3 | 27 |
| 2/16/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 2/16/2011 | SES | Excavation/Backfill | 5 | 50 | | | 19 | 153 |
| Totals | Totals | | 10 | 92 | 1 | 8 | 23 | 188 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 2/16/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 185 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 2/16/2011 | 7,426,749 | 7,487,928 | 61,179 | 60,000 | 61,179 | 7,487,832 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/16/2011 | 40 | Horwith | Haz Soil | 1,015.17 | 16,829.23 | 25.38 | 59 | US Ecology |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/16/2011 | 45 | Rebco/Veniero | Non-Haz Soil | 1,062.11 | 24,150.38 | 23.60 | 22 | MCL |

- Total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Total to date to Middlesex County – 18,217.77 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued excavation of non-hazardous soil from elevation 4 to -6 and re-use material from elevation 8 to 4 in the building 5 area. 19 loads of non-hazardous soil (approx. 266 Cy) and 33 loads of re-use material (approx. 462 Cy) placed in the onsite stockpile.
- Continued load out of non-hazardous soil from the onsite stockpile. 45 loads shipped off-site.
- Continued load out of hazardous soil from the onsite stockpile. 40 loads shipped off-site.
- Continued placing crushed concrete in the bottom of building 5 excavation as a bridge lift and started placing re-use backfill material above the bridging lift.
- Removed 6 loads of concrete from building 5.
- Placed angle iron and bentonite patch over separated sheet pile interlock in building 5.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-Present | 0 | | |
| 2/16/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to shoot Settlement Monitoring Points and for building 5 excavation limits.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extex C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Geoff Shallard – Mactec
- Brent O'Dell - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

February 17, 2011

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|-----------------------|---------------------|------------------|------------------|----------------|
| 2/17/2011 | Cloudy, Partly Cloudy | 0 | 44-64 | 1-8 | SSW-Variable |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 2/17/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 2/17/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 2/17/2011 | Arecon | Disposal | | | | | 3 | 26 |
| 2/17/2011 | SES | Excavation/Backfill | 5 | 50 | | | 19 | 153 |
| Totals | Totals | | 10 | 92 | 1 | 8 | 22 | 179 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 2/17/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 185 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 2/17/2011 | 7,487,928 | 7,552,227 | 64,299 | 60,000 | 64,299 | 7,552,131 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/17/2011 | 40 | Horwith | Haz Soil | 1,013.39 | 17,842.62 | 25.33 | 53 | US Ecology |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/17/2011 | 49 | Rebco/Veniero | Non-Haz Soil | 1,153.44 | 25,303.82 | 23.54 | 20 | MCL |

- Total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Total to date to Middlesex County – 19,371.21 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued excavation of non-hazardous soil from elevation 0 to -6 and re-use material from elevation 8 to 4 in the building 5 area. 9 loads of non-hazardous soil (approx. 1266 Cy) and 34 loads of re-use material (approx. 476 Cy) placed in the onsite stockpile.
- Continued load out of non-hazardous soil from the onsite stockpile. 49 loads shipped off-site.
- Continued load out of hazardous soil from the onsite stockpile. 40 loads shipped off-site.
- Removed 11 loads of concrete from building 5.
- Sized concrete for crushing.
- Placed clean stone in the bottom of building 5 excavation along the Mallory corridor sheets for French drain to sump pump.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-Present | 0 | | |
| 2/17/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extec C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | 2/17/2011 |
| 1 | D65 Dozer | 2/17/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Geoff Shallard – Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

February 21, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 2/21/2011 | Snow | 2.7 | 30-32 | Not Recorded | Not Recorded |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 2/21/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 2/21/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 2/21/2011 | Arecon | Disposal | | | | | 2 | 20 |
| 2/21/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 2/21/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 2/21/2011 | SES | Excavation/Backfill | 5 | 50 | | | 19 | 153 |
| Totals | Totals | | 10 | 92 | 1 | 8 | 23 | 189 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 2/21/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- Wind gauge blocked with ice and snow. No data recorded.
- No monitoring or sampling performed due to snow.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 185 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 2/19/2011 | 7,616,400 | 7,660,643 | 44,243 | 44,000 | 44,243 | 7,660,547 | 24 |
| 2/20/2011 | 7,660,643 | 7,697,131 | 36,488 | 36,000 | 36,488 | 7,697,035 | 24 |
| 2/21/2011 | 7,697,131 | 7,733,363 | 36,232 | 36,000 | 36,232 | 7,733,267 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/21/2011 | 40 | Horwith | Haz Soil | 1,004.62 | 19,855.29 | 25.12 | 52 | US Ecology |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/21/2011 | 0 | | | | 26,687.15 | | | Landfill Closed |

- Total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Total to date to Middlesex County – 20,754.54 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 2/21/2011 | Armored | Common borrow | 1,164.60 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued excavation of non-hazardous soil from elevation 0 to -6. Removed 40 loads of non-hazardous soil (approx. 480 Cy) and placed in the onsite stockpile.
- Continued load out of hazardous soil from the onsite stockpile. 40 loads shipped off-site.
- Began placing compacting imported fill (approx. 1,164.60 tons of Common Borrow) in building 5 from elevation 1 to 0.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-Present | 0 | | |
| 2/18/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to shoot building 5 excavation and work limits for the Cap area.
- Sor Testing was on site to perform compaction testing with a nuclear density gauge in building 5.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extec C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | 2/17/2011 |
| 1 | D65 Dozer | 2/17/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

February 22, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 2/22/2011 | Clear | 0 | 18-37 | 2-12 | N-NNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|--------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 2/22/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 2/22/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 2/22/2011 | Arecon | Disposal | | | | | 3 | 27.5 |
| 2/22/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 2/22/2011 | SES | Excavation/Backfill | 5 | 50 | | | 19 | 153 |
| Totals | Totals | | 10 | 92 | 1 | 8 | 23 | 188.5 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 2/22/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m³ TWA-8hr.
- No readings above trigger level of 200µg/m³-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 185 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 2/22/2011 | 7,733,363 | 7,781,692 | 48,329 | 48,000 | 48,329 | 7,781,596 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/22/2011 | 40 | Horwith | Haz Soil | 1,015.43 | 20,870.72 | 25.39 | 64 | US Ecology |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/22/2011 | 63 | Rebco/Veniero | Non-Haz Soil | 1,487.45 | 28,174.60 | 23.61 | 27 | MCL |

- Total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Total to date to Middlesex County – 22,241.99 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 2/22/2011 | Armored | Common borrow | 1659.96 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Completed excavation in building 5. Removed 19 loads of non-hazardous soil (approx. 228 Cy) and 8 loads (approx. 96 Cy) of re-use material and placed them in the onsite stockpile.
- Continued load out of hazardous soil from the onsite stockpile. 40 loads shipped off-site.
- Continued load out of non-hazardous soil from the onsite stockpile. 63 loads shipped off-site.
- Began placing compacting imported fill (approx. 1,965.96 tons of Common Borrow) in building 5 from elevation -1 to 0.
- Placed 17 loads of re-use material in building 5 for backfill.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-Present | 0 | | |
| 2/22/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- Sor Testing was on site to perform compaction testing with a nuclear density gauge in building 5.

MAJOR EQUIPMENT:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extec C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | 2/17/2011 |
| 1 | D65 Dozer | 2/17/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

February 24, 2011

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|-----------------|---------------------|------------------|------------------|----------------|
| 2/24/2011 | Clear to Cloudy | 0.04 | 25-42 | 0-8 | NNE-WSW-SE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 2/24/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 2/24/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 2/24/2011 | Arecon | Disposal | | | | | 3 | 24 |
| 2/24/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 2/24/2011 | SES | Excavation/Backfill | 5 | 50 | | | 19 | 153 |
| Totals | Totals | | 10 | 92 | 1 | 8 | 23 | 185 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 2/24/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:
Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 185 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 2/24/2011 | 7,821,719 | 7,868,142 | 46,423 | 45,000 | 46,423 | 7,868,046 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/24/2011 | 10 | Horwith | Haz Soil | 256.32 | 22,192.72 | 25.63 | 56 | US Ecology |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/24/2011 | 42 | Veniero | Non-Haz Soil | 982.36 | 30,419.79 | 23.39 | 29 | MCL |

- Total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Total to date to Middlesex County – 24,487.18 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Completed load out of hazardous soil from the onsite stockpile. 10 loads shipped off-site.
- Continued load out of non-hazardous soil from the onsite stockpile. 42 loads shipped off-site.
- Continued placing and compacting re-use material (approx. 936 tons) in building 5 from elevation -3 to 1.
- Dispersed AC-645 biodegradable foam on the re-use stockpile for dust control.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-Present | 0 | | |
| 2/24/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- Sor Testing was on site to perform compaction testing with a nuclear density gauge in building 5.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extec C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | 2/17/2011 |
| 1 | D65 Dozer | 2/17/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Joe Clifford - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

February 25, 2011

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 2/25/2011 | Rain | 1.39 | 42-58 | 1-23 | SE-SW-WNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 2/25/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 2/25/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 2/25/2011 | Lore Sweeping | Sweeping Contractor | | | | | 1 | 1 |
| 2/25/2011 | Kenyon Surveying | Surveying | | | | | 1 | 3 |
| 2/25/2011 | SES | Excavation/Backfill | 4 | 32 | | | 15 | 57 |
| Totals | Totals | | 9 | 74 | 1 | 8 | 17 | 61 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 2/25/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- Monitoring and sampling suspended due to rain.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 185 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 2/25/2011 | 7,868,142 | 7,899,813 | 31,671 | 30,000 | 31,671 | 7,899,717 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.
- Plant discharge suspended due to heavy rain.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology 22,192.72 tons

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/25/2011 | 0 | N/A | N/A | 0.00 | 30,419.79 | 0.00 | 0 | Landfill Closed |

- Total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Total to date to Middlesex County – 24,487.18 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Covered the re-use stockpile for the weekend for dust control measures.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-Present | 0 | | |
| 2/25/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to survey backfill lift in building 5.
- Lore Sweeping power brushed the job site.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extec C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | 2/17/2011 |
| 1 | D65 Dozer | 2/17/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

February 18, 2010

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------|---------------------|------------------|------------------|----------------|
| 2/18/2011 | Cloudy, Sunny | 0 | 48-68 | 2-20 | SSW-W |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|-------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 2/18/2011 | MACTEC | CM | 2 | 16 | 1 | 8 | | |
| 2/18/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 2/18/2011 | Arecon | Disposal | | | | | 3 | 26 |
| 2/18/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 2/18/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 2/18/2011 | Vibratech | Vibration Subcontractor | | | | | 1 | 1 |
| 2/18/2011 | SES | Excavation/Backfill | 5 | 50 | | | 19 | 153 |
| Totals | Totals | | 8 | 76 | 1 | 8 | 25 | 196 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 2/18/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr
- No readings above trigger level of 200µg/m3-TWA-15min.
- A reading of 83µg/m3at MD-1 due to high gusty winds in excess of 20mph. Water truck used in accordance with approved plans.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|-------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 -TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 -TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 -TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 -TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 -TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 185 -TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 2/18/2011 | 7,552,227 | 7,616,400 | 64,173 | 60,000 | 64,173 | 7,616,304 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area

WASTE MANAGEMENT/DISPOSAL:

Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/18/2011 | 40 | Horwith | Haz Soil | 1,008.05 | 18,850.67 | 25.20 | 46 | US Ecology |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|---------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/18/2011 | 58 | Rebco/Veniero | Non-Haz Soil | 1,369.55 | 26,687.15 | 23.61 | 24 | MCL |

- Total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Total to date to Middlesex County – 20,754.54 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|--------------------|----------|
| 2/18/2011 | Weldon | 1 1/2" Clean Stone | 72.43 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|------------------------------|-------------|-----|
| 2/18/2011 | 66 | Rolls | Non-woven Geo-textile Fabric | Skaps | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued excavation of non-hazardous soil from elevation 0 to -6. Removed 81 loads of non-hazardous soil (approx. 972 Cy) and placed in the onsite stockpile.
- Continued load out of non-hazardous soil from the onsite stockpile. 58 loads shipped off-site.
- Continued load out of hazardous soil from the onsite stockpile. 40 loads shipped off-site.
- Placed clean stone in the bottom of building 5 excavation along the Mallory corridor sheets for French drain to sump pump.
- Began placing compacted re-use backfill material above the bridging lift in building 5.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-Present | 0 | | |
| 2/18/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to shoot the excavation and work limits in building 5 for the Cap area.
- Sor Testing was on site to take samples of re-use material for additional proctors of material being used for backfill in building 5
- Vibratech was on site to relocate the seismograph monitor located within the Honda dealership. The monitor was relocated due to heavy traffic patterns from within the dealership that was causing excessive readings on a periodic basis

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extec C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | 2/17/2011 |
| 1 | D65 Dozer | 2/17/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

February 28, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 2/28/2011 | Rain | 0.5 | 42-60 | 1-16 | ESE-SSE-W |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 2/28/2011 | MACTEC | CM | 4 | 30 | 1 | 8 | | |
| 2/28/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 2/28/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 7 |
| 2/28/2011 | SES | Excavation/Backfill | 4 | 40 | | | 15 | 116 |
| Totals | Totals | | 9 | 80 | 1 | 8 | 16 | 123 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 2/28/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- Monitoring suspended due to rain.
- No samples collected due to rain.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 185 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 2/26/2011 | 7,899,813 | 7,903,450 | 3,637 | 3,000 | 3,637 | 7,903,354 | 24 |
| 2/27/2011 | 7,903,450 | 7,938,694 | 35,244 | 35,000 | 35,244 | 7,938,598 | 24 |
| 2/28/2011 | 7,938,694 | 7,968,043 | 29,349 | 30,000 | 29,349 | 7,967,947 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology 22,192.72 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 2/28/2011 | 0 | N/A | N/A | 0.00 | 30,419.79 | 0.00 | 0 | Landfill Closed |

- Total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Total to date to Middlesex County – 24,487.18 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Performed a decontamination of crane mats, steel pipes and beams in order to clear Cap area for excavation and backfill.
- Cut rebar in order to initiate concrete crushing.
- Backfilled and compacted building 5 with 85 loads of re-use material (approx. 1020 Cy) from the onsite stockpile.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | | |
| 2/28/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- Sor Testing was on site to perform compaction testing with a nuclear density gauge in building 5.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extec C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | 2/17/2011 |
| 1 | D65 Dozer | 2/17/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

March 1, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|---------------------|------------------|------------------|----------------|
| 3/1/2011 | Clear | 0 | 34-46 | 1-15 | NW-NNW-NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 3/1/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 3/1/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 3/1/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 3/1/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 3/1/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 3/1/2011 | SES | Excavation/Backfill | 4 | 40 | | | 15 | 116 |
| Totals | Totals | | 9 | 82 | 1 | 8 | 19 | 148 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 3/1/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 185 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 185 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 3/1/2011 | 7,968,043 | 8,036,171 | 68,128 | 65,000 | 68,128 | 8,036,075 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology 22,192.72 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 3/1/2011 | 54 | Veniero | Non-Haz Soil | 1,260.46 | 31,680.25 | 23.34 | 29 | MCL |

- Total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Total to date to Middlesex County – 25,747.64 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued decontamination of crane mats, steel pipes and beams in order to clear Cap area for excavation and backfill.
- Cut rebar in order to crush concrete.
- Backfilled and compacted building 5 to elevation +3 with 99 loads of re-use material (approx. 1,287 Cy) from the onsite stockpile.
- Completed load out of non-hazardous soil. 54 loads (approx. 1,260.46 tons) shipped off site.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | | |
| 3/1/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- Sor Testing was on site to perform compaction testing with a nuclear density gauge in building 5.
- Kenyon Surveying was on site for laying out building 7 Cap area and to verify limits for NJCU work scheduled to commence in May.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extec C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | 2/17/2011 |
| 1 | D65 Dozer | 2/17/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Telly Giouzelis - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

March 2, 2011

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|------------------------|---------------------|------------------|------------------|----------------|
| 3/2/2011 | Clear to Partly Cloudy | 0 | 34-53 | 5-22 | SSW-W |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 3/2/2011 | MACTEC | CM | 3 | 24 | 1 | 4 | | |
| 3/2/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 3/2/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 3/2/2011 | Semcor | Asphalt Contractor | | | | | 1 | 7 |
| 3/2/2011 | SES | Excavation/Backfill | 4 | 40 | | | 16 | 128 |
| Totals | Totals | | 8 | 74 | 1 | 4 | 18 | 143 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 3/2/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 3/2/2011 | 8,036,170 | 8,087,778 | 51,608 | 50,000 | 51,608 | 8,087,683 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology 22,192.72 tons

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Previous total to date to Middlesex County – 25,747.64 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|----------|----------|-----------------|---------------------------|-------------|-----|
| 3/2/2011 | 4 | 55-Gallon Drums | AC-904 Long Duration Foam | Rusmar | |
| 3/2/2011 | 1 | 55-Gallon Drum | Antifreeze | Noco | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:*Excavation/Backfill Activities/Comments/Issues:*

- Continued decontamination of bin blocks in order to clear Cap area for excavation and backfill.
- Cut rebar to prepare to crush concrete.
- Backfilled and compacted building 5 to elevation +4 with 115 loads of re-use material (approx. 1,495 Cy) from the onsite stockpile.
- Loaded trailers with bracing steel used in building 6.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | | |
| 3/1/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- Sor Testing was on site to perform compaction testing with a nuclear density gauge in building 5.
- Semcor was on site to cut asphalt along the Cap area in preparation for removal.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extec C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | 2/17/2011 |
| 1 | D65 Dozer | 2/17/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

March 3, 2011

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|---------------------|------------------|------------------|----------------|
| 3/3/2011 | Clear | 0 | 21-35 | 1-12 | NNW-N |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|-------------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 3/3/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 3/3/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 3/3/2011 | Sor Testing | Compaction Testing | | | | | 1 | 8 |
| 3/3/2011 | Paramount Exterminating | Exterminator | | | | | 1 | 1 |
| 3/3/2011 | SES | Excavation/Backfill | 4 | 40 | | | 16 | 128 |
| Totals | Totals | | 9 | 82 | 1 | 8 | 18 | 137 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 3/3/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 3/3/2011 | 8,087,778 | 8,156,192 | 68,414 | 60,000 | 68,414 | 8,156,096 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology 22,192.72 tons

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Previous total to date to Middlesex County – 25,747.64 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|----------|----------|-------|-------------|------------------|-----|
| 3/3/2011 | 8 | Rolls | Silt Fence | Triboro Hardware | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued decontamination of bin blocks in order to clear Cap area for excavation and backfill.
- Cut rebar to prepare to crush concrete.
- Continued backfilling and compacting building 5 to elevation +5 with 101 loads of re-use material (approx. 1,313 Cy) from the onsite stockpile.
- Loaded trailers with bracing steel used in building 6.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | | |
| 3/3/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- Sor Testing was on site to perform compaction testing with a nuclear density gauge in building 5.
- Paramount Exterminating was on site for a routine bait inspection on the rodent control boxes.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extex C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | 2/17/2011 |
| 1 | D65 Dozer | 2/17/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

March 4, 2011

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|---------------------|------------------|------------------|----------------|
| 3/4/2011 | Clear | 0 | 27-41 | 1-14 | NNE-SSE-SE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 3/4/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 3/4/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 3/4/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 3/4/2011 | SES | Excavation/Backfill | 4 | 40 | | | 16 | 133 |
| Totals | Totals | | 9 | 82 | 1 | 8 | 17 | 141 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 3/4/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 3/4/2011 | 8,156,192 | 8,235,590 | 79,398 | 70,000 | 79,398 | 8,235,494 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology 22,192.72 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Previous total to date to Middlesex County – 25,747.64 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued to clear Cap area for excavation and backfill.
- Cut rebar to prepare to crush concrete.
- Continued backfilling and compacting building 5 to elevation +6 with 116 loads of re-use material (approx. 1,508 Cy) from the onsite stockpile.
- Initiated asphalt stripping in the building 7 Cap area. 28 loads of asphalt removed.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | | |
| 3/4/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- Sor Testing was on site to perform compaction testing with a nuclear density gauge in building 5.
- Paramount Exterminating was on site for a routine bait inspection on the rodent control boxes.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extex C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | 2/17/2011 |
| 1 | D65 Dozer | 2/17/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Michelle Daly – Mactec
- Marinna Seemuller – Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

March 7, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|---------------------|------------------|------------------|----------------|
| 3/7/2011 | Clear | 0.08 | 34-46 | 6-22 | WNW-NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 3/7/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 3/7/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 3/7/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 3/7/2011 | SES | Excavation/Backfill | 4 | 40 | | | 16 | 129 |
| Totals | Totals | | 9 | 82 | 1 | 8 | 17 | 137 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 3/7/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 3/5/2011 | 8,235,590 | 8,277,602 | 42,012 | 40,000 | 42,012 | 8,277,506 | 24 |
| 3/6/2011 | 8,277,602 | 8,301,057 | 23,455 | 24,000 | 23,455 | 8,300,961 | 24 |
| 3/7/2011 | 8,301,051 | 8,348,521 | 47,464 | 48,000 | 47,464 | 8,348,425 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date sent to US Ecology - 22,192.72 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Previous total to date to Middlesex County – 25,747.64 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|----------|----------|-------------|-------------------|--------------|-----|
| 3/7/2011 | 1 | Each | 4" Dri Prime Pump | Godwin Pumps | |
| 3/7/2011 | 500 | Linear Feet | Lay Flat Hose | Godwin Pumps | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Initiated cutting of sheet pile along Route 440 north of access road in the Cap area.
- Continued backfilling and compacting building 5 to elevation +6 with 57 loads of re-use material (approx. 741 Cy) from the onsite stockpile.
- Continued asphalt stripping in the building 7 Cap area. 24 loads of asphalt removed.
- Removed concrete obstructions from the North edge of building 5. 6 loads of concrete removed.
- Began pumping water from the building 6 area to Modutank utilizing a 4" Dri Prime Pump due to heavy rains over the weekend.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | | |
| 3/7/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- Sor Testing was on site to perform compaction testing with a nuclear density gauge in building 5.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extec C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | 2/17/2011 |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 2 | Moxys | 2/23/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

March 8, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|---------------------|------------------|------------------|----------------|
| 3/8/2011 | Clear | 0 | 30-47 | 1-9 | NNE-NNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 3/8/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 3/8/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 3/8/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 3/8/2011 | SES | Excavation/Backfill | 4 | 40 | | | 18 | 145 |
| Totals | Totals | | 9 | 82 | 1 | 8 | 19 | 153 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 3/8/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 3/8/2011 | 8,348,521 | 8,451,965 | 103,444 | 100,000 | 103,444 | 8,451,869 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date sent to US Ecology - 22,192.72 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Previous total to date to Middlesex County – 25,747.64 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|----------|-------------|---------------|----------|
| 3/8/2011 | Armored | Common borrow | 1,928.88 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued cutting sheet pile along Route 440 north of access road in the Cap area.
- Continued backfilling and compacting building 5 to elevation +6.5 with approximately 1,928.88 tons of imported fill.
- Continued asphalt stripping in the building 7 Cap area. 46 loads of asphalt removed.
- Removed concrete obstructions from the North edge of building 5 to elevation +12. 3 loads of concrete removed.
- Continued pumping water from the building 6 area to Modutank utilizing a 4" Dri Prime Pump due to heavy rains over the weekend.
- Installed silt fence in the low lying Cap area after asphalt removal.
- Broke concrete slabs and wall in the Cap area.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | | |
| 3/8/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- Sor Testing was on site to perform compaction testing with a nuclear density gauge in building 5.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extex C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | 2/17/2011 |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 2 | Moxys | 2/23/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

March 9, 2011

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|---------------------|------------------|------------------|----------------|
| 3/9/2011 | Cloudy | 0.01 | 35-44 | 2-14 | E-ESE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 3/9/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 3/9/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 3/9/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 3/9/2011 | SES | Excavation/Backfill | 4 | 40 | | | 19 | 153 |
| Totals | Totals | | 9 | 82 | 1 | 8 | 20 | 161 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 3/9/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 3/9/2011 | 8,451,965 | 8,575,755 | 123,790 | 120,000 | 123,790 | 8,575,659 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date sent to US Ecology - 22,192.72 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Previous total to date to Middlesex County – 25,747.64 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|----------|-------------|---------------|----------|
| 3/9/2011 | Armored | Common borrow | 2,541.81 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued cutting sheet pile along Route 440 north of access road in the Cap area.
- Continued backfilling and compacting building 5 to elevation +7 with approximately 2,541.81 tons of imported fill.
- Continued asphalt stripping in the building 7 Cap area. 36 loads of asphalt removed.
- Continued installing silt fence in the low lying Cap area after asphalt removal.
- Continued breaking concrete slabs and wall in the Cap area.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | | |
| 3/9/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- Sor Testing was on site to perform compaction testing with a nuclear density gauge in building 5.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extec C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | 2/17/2011 |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 2 | Moxys | 2/23/2011 | |

GENERAL COMMENTS/ISSUES:

- NJDEP and Weston arrived unexpectedly on site. No issues were identified.

VISITORS ONSITE:

- Chris Murray – Interview
- Dave Doyle – NJDEP
- Thomas Cozzi – NJDEP
- Ralph Costa – Weston
- Amin Prable - Weston

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

March 10, 2011

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 3/10/2011 | Rain | 1.00 | 43-49 | 5-20 | ESE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 3/10/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 3/10/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 3/10/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 3/10/2011 | SES | Excavation/Backfill | 4 | 40 | | | 19 | 153 |
| Totals | Totals | | 8 | 74 | 1 | 8 | 20 | 161 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 3/10/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- Readings above 60 µg/m3 due to rain and high humidity.
- Monitoring halted at 14:16 due to heavy rain.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 3/10/2011 | 8,575,755 | 8,666,016 | 90,261 | 100,000 | 90,261 | 8,665,920 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Continued dewatering operations in the building 5 excavation area.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date sent to US Ecology - 22,192.72 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Previous total to date to Middlesex County – 25,747.64 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 3/10/2011 | Armored | Common borrow | 2,791.56 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:*Excavation/Backfill Activities/Comments/Issues:*

- Continued cutting sheet pile along Route 440 south of access road in the Cap area.
- Performed obstruction removal of concrete below asphalt in the Cap area north of access road.
- Continued backfilling and compacting building 5 to elevation +8 with approximately 2,791.56 tons of imported fill.
- Continued asphalt stripping in the building 7 Cap area. 46 loads of asphalt removed.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | | |
| 3/10/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- Sor Testing was on site to perform compaction testing with a nuclear density gauge in building 5.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extec C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | 2/17/2011 |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 2 | Moxys | 2/23/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

March 11, 2011

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|-------------------------------|---------------------|------------------|------------------|----------------|
| 3/11/2011 | Cloudy, shower, then clearing | 0.82 | 48-55 | 2-14 | SSE-WSW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 3/11/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 3/11/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 3/11/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 3/11/2011 | SES | Excavation/Backfill | 4 | 40 | | | 18 | 145 |
| Totals | Totals | | 9 | 82 | 1 | 8 | 19 | 153 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 3/11/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:
Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- One reading above 60µg/m3 due to rain and high humidity.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 3/11/2011 | 8,666,016 | 8,693,612 | 27,596 | 32,600 | 27,596 | 8,693,516 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down with the exception of DP5-1.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date sent to US Ecology - 22,192.72 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Previous total to date to Middlesex County – 25,747.64 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 3/11/2011 | Armored | Common borrow | 2,430.24 |
| 3/11/2011 | Weldon | Clean Stone | 51.33 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued cutting sheet pile along Route 440 south of access road in the Cap area.
- Performed obstruction removal of concrete below asphalt in the Cap area north of access road.
- Continued backfilling and compacting building 5 to elevation +9 with approximately 2,430.24 tons of imported fill.
- Installed orange fence to delineate exclusion zone for the Cap area south of the access road.
- Raked and spread concrete for load out as hazardous material in the Cap area.
- Completed sizing concrete for crushing and reuse in the stockpile area.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|------------------------|--------------------|---------------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | | |
| 3/11/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- Sor Testing was on site to perform compaction testing with a nuclear density gauge in building 5.
- Kenyon Surveying was on site to layout cuts in the Cap area and to prep for hazardous load out which is expected to commence on 3/15/2011.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 1 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | D37 Dozer | 11/10/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | 21k Adler Tank | 11/18/2010 | 1/6/2011 |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 90" Vibratory Roller | 1/26/2011 | |
| 1 | Extec C-12 Crushing Unit | 1/31/2011 | 2/5/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Komatsu PC 300 Excavator | 9/9/2010 | 12/28/2010 |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | APE Vibro Hammer with Power Stick | 12/16/2010 | 1/18/2011 |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D61 Dozer | 2/2/2011 | 2/17/2011 |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 2 | Moxys | 2/23/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Larry Lockwood - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

March 14, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 3/14/2011 | Cloudy | 0.00 | 40-45 | 2-15 | NNW-NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 3/14/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 3/14/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 3/14/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 3/14/2011 | SES | Excavation/Backfill | 4 | 40 | | | 18 | 145 |
| Totals | Totals | | 9 | 82 | 1 | 8 | 19 | 153 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 3/14/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 3/12/2011 | 8,693,612 | 8,800,803 | 107,191 | 108,000 | 107,191 | 8,800,707 | 24 |
| 3/13/2011 | 8,800,803 | 8,826,627 | 25,824 | 26,000 | 25,824 | 8,826,531 | 24 |
| 3/14/2011 | 8,826,627 | 8,842,660 | 16,033 | 16,000 | 16,033 | 8,842,564 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down with the exception of DP5-1.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date sent to US Ecology - 22,192.72 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Previous total to date to Middlesex County – 25,747.64 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|----------------|----------|
| 3/14/2011 | Armored | Common borrow | 2,529.48 |
| 3/14/2011 | Tilcon | #10 Screenings | 556.47 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued cutting sheet pile along Route 440 south of access road in the Cap area.
- Performed obstruction removal of concrete below asphalt in the Cap area north of access road.
- Continued backfilling and compacting building 5 to elevation +9 with approximately 3,085.95 tons of imported fill.
- Continued installing orange fence to delineate exclusion zone for the Cap area south of the access road.
- Loaded out asphalt to the Tilcon recycling plant. 30 loads removed for recycling.
- Leveled Cap area and installed a haul road to assist with hazardous soil load out which is expected to commence tomorrow, 3/15/2011.
- Removed dewatering pipe and electrical conduit at wells that have been shut down in the building 5 area.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | | |
| 3/14/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- Sor Testing was on site to perform compaction testing with a nuclear density gauge in building 5.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 2 | Moxys | 2/23/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

March 15, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|------------------------|---------------------|------------------|------------------|----------------|
| 3/15/2011 | Clear to Partly Cloudy | 0.00 | 33-47 | 0-10 | NE-N-SSE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 3/15/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 3/15/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 3/15/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 3/15/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 3/15/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 3/15/2011 | SES | Excavation/Backfill | 4 | 40 | | | 18 | 145 |
| Totals | Totals | | 9 | 82 | 1 | 8 | 22 | 177 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 3/15/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- One reading above 60µg/m3 at MD-2 – Cause unknown; isolated spike, all readings before and after in the range of 10-20 µg/m3.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 3/15/2011 | 8,842,660 | 8,869,105 | 26,445 | 20,000 | 26,445 | 8,869,009 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down with the exception of DP5-1.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 3/15/2011 | 20 | Horwith | Haz Soil | 507.96 | 22,700.68 | 25.40 | 49 | US Ecology |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Previous total to date to Middlesex County – 25,747.64 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|----------------|----------|
| 3/15/2011 | Armored | Common borrow | 1,511.15 |
| 3/15/2011 | Tilcon | #10 Screenings | 856.21 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
| | | | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued cutting sheet pile along Route 440 south of access road in the Cap area.
- Continued backfilling and compacting building 5 to elevation +9-10 with approximately 2,367.36 tons of imported fill.
- Continued installing orange fence to delineate exclusion zone for the Cap area south of the access road.
- Loaded out asphalt to the Tilcon recycling plant. 37 loads removed for recycling.
- Prepared to install remaining 12 sheets with Movax.
- Initiated direct load out of hazardous soil mixed with broken concrete from the Cap area. 20 loads shipped off site for disposal.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 484 | 76541 | 76541 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | | |
| 3/15/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- Sor Testing was on site to perform compaction testing with a nuclear density gauge in building 5.
- Kenyon Surveying was on site to layout the Cap area excavation. Kenyon is working with excavator and grade foremen daily.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 2 | Moxys | 2/23/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

March 16, 2011

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|-------------------|---------------------|------------------|------------------|----------------|
| 3/16/2011 | Rain, then cloudy | 0.58 | 40-57 | 2-11 | NE-NNE-NW-WNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 3/16/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 3/16/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 3/16/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 3/16/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 3/16/2011 | SES | Excavation/Backfill | 4 | 40 | | | 19 | 153 |
| Totals | Totals | | 9 | 82 | 1 | 8 | 22 | 177 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 3/16/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:*Toolbox Meeting Topic:*

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- Monitoring start delayed due to rain.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 3/16/2011 | 8,869,105 | 8,873,330 | 4,225 | 4,225 | 4,225 | 8,873,234 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down with the exception of DP5-1.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 3/16/2011 | 20 | Horwith | Haz Soil | 506.22 | 23,206.90 | 25.31 | 48 | US Ecology |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Previous total to date to Middlesex County – 25,747.64 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|----------------|----------|
| 3/16/2011 | Tilcon | #10 Screenings | 122.88 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|-------------|-------------|-----|
| 3/16/2011 | 9 | Rolls | LLDPE Liner | Solomax | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Loaded out asphalt to the Tilcon recycling plant. 39 loads removed for recycling.
- Initiated installation of the remaining 12 sheets with Movax. 7 pair driven today, 3/16/2011.
- Continued direct load out of hazardous soil mixed with broken concrete from the Cap area. 20 loads shipped off site for disposal.
- Continued dust control maintenance.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|------------------------|--------------------|---------------------------|
| To Date | 491 | 76965 | 76965 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 3/16/2011 | 7 | 424 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to layout the Cap area excavation. Kenyon is working with excavator and grade foremen daily.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 2 | Moxys | 2/23/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

March 17, 2011

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 3/17/2011 | Clear | 0.00 | 45-64 | 1-12 | NW-WNW-SW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 3/17/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 3/17/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 3/17/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 3/17/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 3/17/2011 | SES | Excavation/Backfill | 4 | 40 | | | 19 | 153 |
| Totals | Totals | | 9 | 82 | 1 | 8 | 22 | 177 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 3/17/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 3/17/2011 | 8,873,330 | 8,899,610 | 26,280 | 26,280 | 26,280 | 8,899,514 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down with the exception of DP5-1.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 3/17/2011 | 24 | Horwith | Haz Soil | 603.10 | 23,810.00 | 25.13 | 47 | US Ecology |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Previous total to date to Middlesex County – 25,747.64 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|----------------|----------|
| 3/17/2011 | Tilcon | #10 Screenings | 1,311.28 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|--------------|---------------|-----|
| 3/17/2011 | 1 | Pair | AZ14-770x50' | Skyline Steel | |
| 3/17/2011 | 2 | Pairs | AZ19-700x48' | Skyline Steel | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Loaded out asphalt to the Tilcon recycling plant. 44 loads removed for recycling.
- Continued installation of the remaining 12ft. sheets with Movax. 8 pair driven today, 3/17/2011.
- Continued direct load out of hazardous soil mixed from the Cap area. 44 loads shipped off site for disposal.
- Continued dust control maintenance.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 499 | 77450 | 77450 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 3/17/2011 | 8 | 485 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to layout the Cap area excavation. Kenyon is working with excavator and grade foremen daily.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 2 | Moxys | 2/23/2011 | |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES:**

- None

VISITORS ONSITE:

- Joe Clifford – Mactec
- Geoff Shallard - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

March 21, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 3/21/2011 | Rain | 0.43 | 37-45 | 0-13 | S-SE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 3/21/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 3/21/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 3/21/2011 | Lore Sweeping | Sweeping Contractor | | | | | 1 | 4 |
| 3/21/2011 | Arecon | Disposal | | | | | 2 | 18 |
| 3/21/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 3/21/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 3/21/2011 | SES | Excavation/Backfill | 4 | 40 | | | 21 | 169 |
| Totals | | | 9 | 82 | 1 | 8 | 3 | 22 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 3/21/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m³ TWA-8hr.
- No readings above trigger level of 200µg/m³-TWA-15min.
- Delayed start to monitoring due to rain.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 3/19/2011 | 8,925,470 | 8,946,974 | 21,505 | 21,504 | 21,504 | 8,946,878 | 24 |
| 3/20/2011 | No | Reading | Taken | N/A | 0 | 8,946,878 | N/A |
| 3/21/2011 | No | Reading | Taken | N/A | 0 | 8,946,878 | N/A |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down with the exception of DP5-1.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 3/21/2011 | 24 | Horwith | Haz Soil | 609.69 | 25,026.24 | 25.40 | 46 | US Ecology |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Previous total to date to Middlesex County – 25,895.98 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|----------------|----------|
| 3/21/2011 | Tilcon | #10 Screenings | 649.79 |
| 3/21/2011 | Armored | Common borrow | 2,571.75 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|---------------------------|-------------|-----|
| 3/21/2011 | 4 | Drums | AC-904 Long Duration Foam | Rusmar | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Backfilled and compacted building 5 to elevation +11-12 with 3,221.54 tons of imported fill.
- Continued direct load out asphalt. 25 loads taken off site for recycling.
- Pumped surface water from building 6 with a 4" submersible.
- Sized concrete obstructions in the Cap area.
- Treated exposed Cap excavation area with Rusmar AC-904 foam.
- Continued cutting sheets along the access road in the Cap area and stripped tieback tendons in preparation for cutting.
- Continued direct load out of hazardous soil from the Cap area. 24 loads taken off site for disposal.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Lore Sweeping was on site in order to Power Broom entire job site.
- Sor Testing was on site to perform compaction testing with a nuclear density gauge in building 5.
- Kenyon Surveying was on site to layout the Cap area excavation. They are working with excavator and grade foremen daily.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 2 | Moxys | 2/23/2011 | |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES:**

- None

VISITORS ONSITE:

- Telly Giouzelis - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

March 18, 2011

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 3/18/2011 | Clear | 0.00 | 50-77 | 4-20 | SW-WSW-NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 3/18/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 3/18/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 3/18/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 3/18/2011 | Arecon | Disposal | | | | | 2 | 17 |
| 3/18/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 3/18/2011 | SES | Excavation/Backfill | 4 | 40 | | | 21 | 169 |
| Totals | Totals | | 9 | 82 | 1 | 8 | 25 | 202 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 3/18/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- One reading above 100µg/m3 due to high gusty winds. Water truck used in accordance with approved plans.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 3/18/2011 | 8,899,610 | 8,925,470 | 25,860 | 25,860 | 25,860 | 8,925,374 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down with the exception of DP5-1.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 3/18/2011 | 24 | Horwith | Haz Soil | 606.55 | 24,416.55 | 25.27 | 46 | US Ecology |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 3/18/2011 | 6 | Veniero | Non-Haz Soil | 148.34 | 31,828.59 | 24.72 | 35 | MCL |

- Previous total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Total to date to Middlesex County – 25,895.98 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|----------------|----------|
| 3/18/2011 | Armored | Common borrow | 1,696.04 |
| 3/18/2011 | Tilcon | #10 Screenings | 990.29 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Loaded out asphalt to the Tilcon recycling plant. 54 loads removed for recycling.
- Continued installation of the remaining 12ft. sheets with Movax. 2 pair driven today, 3/18/2011 to complete building 7.
- Continued direct load out of hazardous soil from the Cap area. 24 loads shipped off site for disposal.
- Initiated load out of non-hazardous soil. 6 loads shipped off site for disposal.
- Continued dust control maintenance. Utilized Rusmar foam in the Cap area and in the east end of building 5.
- Continued backfilling and compacting to elevation +10-11 in building 5 with 2,686.33 tons of imported fill.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 501 | 77571 | 77571 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 3/18/2011 | 2 | 121 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to layout the Cap area excavation. Kenyon is working with excavator and grade foremen daily.
- Sor Testing was on site to perform compaction testing with a nuclear density gauge in building 5.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 2 | Moxys | 2/23/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

March 19, 2011

Saturday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 3/19/2011 | No | monitoring | taking | place. | |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 3/19/2011 | MACTEC | CM | 2 | 12 | | | | |
| 3/19/2011 | Lore Sweeping | Sweeping Contractor | | | | | 1 | 4 |
| 3/19/2011 | SES | Excavation/Backfill | 3 | 30 | | | 7 | 56 |
| Totals | Totals | | 5 | 42 | 0 | 0 | 8 | 60 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 3/19/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- No monitoring taking place.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 3/19/2011 | 8,925,470 | 8,946,974 | 21,505 | 21,504 | 21,504 | 8,946,878 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down with the exception of DP5-1.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology 24,416.55

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Previous total to date to Middlesex County – 25,895.98 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Performed housekeeping around the entire job site.
- Removed Godwin pump ramp in order to effectively clean roadway.
- Weighted down Modutank liner in order to secure in high winds.
- Modified CRZs.
- Cut and disposed of piping that was no longer needed.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 501 | 77571 | 77571 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 3/19/2011 | 0 | | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Completion of the sheet pile wall awaits installation of sheets in the site southwest corner and construction entrance that will be performed in conjunction with the building 7 liner installation.

ADDITIONAL SITE ACTIVITIES:

- Lore Sweeping was on site in order to Power Broom entire job site.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 2 | Moxys | 2/23/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

March 23, 2011

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|-----------|-------------------------|------------------|------------------|----------------|
| 3/23/2011 | Rain, mix | 0.89" Rain 1.3" Snow | 33-37 | 0-9 | SW-N-NE-E |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 3/23/2011 | MACTEC | CM | 4 | 27 | 1 | 8 | | |
| 3/23/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 3/23/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 3/23/2011 | SES | Excavation/Backfill | 4 | 40 | | | 18 | 145 |
| Totals | | | 9 | 77 | 1 | 8 | 19 | 153 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 3/23/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- Monitoring and sampling suspended due to precipitation.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 3/23/2011 | 8,950,960 | 8,950,960 | 0 | 0 | 0 | 8,950,864 | N/A |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|--------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|--------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 3/23/2011 | Armored | Common borrow | 1,201.19 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Backfilled and compacted building 5 to elevation +12 with 1,201.19 tons of imported fill.
- Removed sheeting cut offs from the Cap area.
- Continued locating and sizing concrete obstructions in the Cap area.
- Continued cutting sheets along the access road in the Cap area and stripped tieback tendons in preparation for cutting.
- Shut down DP5-1 and removed the discharge lines and wire.
- Cut tendons in the building 5 area. Kenyon surveying monitored the elongation of the tiebacks as they were cut per the approved plan by Glynn Geotechnical Engineering. 41 tiebacks were cut completely.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to layout the Cap area excavation. They are working with excavator and grade foremen daily. They also monitored the cutting of the tiebacks for movement.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 2 | Moxys | 2/23/2011 | 3/23/2011 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

March 22, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 3/22/2011 | Clear | 0.00 | 44-50 | 4-16 | NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 3/22/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 3/22/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 3/22/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 3/22/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 3/22/2011 | SES | Excavation/Backfill | 4 | 40 | | | 20 | 161 |
| Totals | | | 9 | 82 | 1 | 8 | 22 | 177 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 3/22/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- One reading above 60µg/m3 at MD-2, end of day clean up activities.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 3/22/2011 | 8,946,974 | 8,950,960 | 3,986 | 3,986 | 3,986 | 8,950,864 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down with the exception of DP5-1.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to MCL – 25,026.24 tons

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 5,932.61 tons
- Previous total to date to Middlesex County – 25,895.98 tons

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|----------------|----------|
| 3/22/2011 | Tilcon | #10 Screenings | 539.49 |
| 3/22/2011 | Armored | Common borrow | 1,412.65 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Backfilled and compacted building 5 to elevation +11-12 with 1,952.14 tons of imported fill.
- Continued direct load out asphalt. 17 loads taken off site for recycling.
- Continued locating and sizing concrete obstructions in the Cap area.
- Continued cutting sheets along the access road in the Cap area and stripped tieback tendons in preparation for cutting.
- Continued housekeeping of entire job site.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|------------------------|--------------------|---------------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Sor Testing was on site to perform compaction testing with a nuclear density gauge in building 5.
- Kenyon Surveying was on site to layout the Cap area excavation. They are working with excavator and grade foremen daily.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 2 | Moxys | 2/23/2011 | |

GENERAL COMMENTS/ISSUES:

- NJDEP and Weston were on site for a scheduled visit. No issues were identified.

VISITORS ONSITE:

- Joe Clifford – Mactec
- John Morris – Honeywell
- Kathy Monteiro – NJCU
- Maria Kouris – Honeywell
- Telly Giouzelis – Mactec
- John Mojka – Honeywell
- Dave Doyle – NJDEP
- Prabal Amin – Weston
- Ralph Costa – Weston
- David Van Eck – NJDEP
- Alanna Garrison - Weston

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

March 24, 2011

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|-------------------------|----------------------|------------------|------------------|----------------|
| 3/24/2011 | Cloudy to Partly Cloudy | 0.06Rain 0.6 Snow | 30-43 | 2-13 | N-NNE-NNW-NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 3/24/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 3/24/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 3/24/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 3/24/2011 | Sor Testsing | | | | | | 1 | 8 |
| 3/24/2011 | SES | Excavation/Backfill | 4 | 40 | | | 18 | 145 |
| Totals | | | 8 | 74 | 1 | 8 | 20 | 161 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 3/24/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:*Toolbox Meeting Topic:*

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- One reading above trigger level of 200µg/m3-TWA-15min.
- One reading at MD-3 above the trigger level of 200µg/m3. No visible dust, no soil disturbance activity in the immediate vicinity. Found moisture from melting snow in the monitor intake hose. (Pictures attached)

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 3/24/2011 | 8,950,960 | 8,950,960 | 0 | 0 | 0 | 8,950,864 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 3/24/2011 | Armored | Common borrow | 1,987.02 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Backfilled and compacted building 5 to elevation +12 with 1,987.02 tons of imported fill.
- Decontaminated and removed sheeting cut offs from the Cap area.
- Continued locating and sizing concrete obstructions in the Cap area.
- Completed cutting tendons and began removing walers and chairs in building 5.
- Exposed remaining sheets at the Southeast corner of the Cap area for cutting.
- Initiated exposing previously installed liner along the Mallory corridor in order to match with fill areas in the Cap.
- Pumped out building 6 area of Modutank.
- Welded stiff arm on PC300 for attaching pulverizer unit.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to layout the Cap area excavation. They are working with excavator and grade foremen daily. Kenyon also monitored the cutting of the tiebacks for movement.
- Sor Testing was on site, but was unable to accomplish any testing due to excessive moisture.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| | | | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Kim Bell Hosea – Carpenter Environmental

PHOTOS:



SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

March 25, 2011

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 3/25/2011 | Clear | 0.00 | 29-42 | 1-14 | NW-NNW-WNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 3/25/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 3/25/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 3/25/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 3/25/2011 | SES | Excavation/Backfill | 4 | 40 | | | 18 | 145 |
| Totals | | | 8 | 74 | 1 | 8 | 19 | 153 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 3/25/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- One reading above 100µg/m3at MD-3 due to concrete sizing. Contractor advised to keep concrete wet during sizing operations.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 3/25/2011 | 8,950,960 | 8,950,960 | 0 | 0 | 0 | 8,950,864 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued locating and sizing concrete obstructions in the Cap area utilizing an excavator, ho-ram and pulverizer.
- Continued cutting walers and chairs in building 5.
- Completed cutting sheets along the Mallory corridor.
- Initiated excavation of storm sewer box outs in the Mallory and Stegman utility corridors per revisions.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to layout the Cap area excavation. They are working with excavator and grade foremen daily. Kenyon also checked cuts for the NJCU sewer corridors.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachement | 3/23/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES:**

- None

VISITORS ONSITE:

- William Hague – Honeywell
- Joe Clifford - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

March 28, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 3/28/2011 | Clear | 0.00 | 27-45 | 3-17 | NW-WNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 3/28/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 3/28/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 3/28/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 3/28/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 3/28/2011 | SES | Excavation/Backfill | 4 | 40 | | | 18 | 145 |
| Totals | | | 9 | 82 | 1 | 8 | 20 | 161 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 3/28/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- One reading above 60µg/m3at MD-2. Cause unknown, isolated peak. All subsequent readings below 60.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 3/26/2011 | 8,950,960 | 8,981,498 | 30,538 | 30,538 | 30,538 | 8,981,402 | 24 |
| 3/27/2011 | 8,981,498 | 8,981,498 | 0 | 0 | 0 | 8,981,402 | 24 |
| 3/28/2011 | 8,981,498 | 8,981,498 | 0 | 0 | 0 | 8,981,402 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |

MATERIAL RECEIVING:
Backfill:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 3/28/2011 | Armored | Common borrow | 1,409.12 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued locating and sizing concrete obstructions in the Cap area utilizing an excavator, ho-ram and pulverizer.
- Continued backfilling and compacting building 5 to elevation +13-14 with approximately 1,409.12 tons of imported fill.
- Continued cutting walers and chairs in building 5.
- Initiated welding plates over the tie back holes in the building 5 sheet pile.
- Continued excavation of storm sewer box outs in the Mallory and Stegman utility corridors per revisions.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT**

- Kenyon Surveying was on site to layout the Cap area excavation. They are working with excavator and grade foremen daily. Kenyon also checked cuts for the NJCU sewer corridors.
- Sor Testing was on site to perform compaction testing in building 5 with a nuclear density gauge.
- PSE&G was on site to tie back anchor. They encountered a concrete encasement around the forcemain.

MAJOR EQUIPMENT:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |

GENERAL COMMENTS/ISSUES:

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

March 29, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 3/29/2011 | Clear | 0.00 | 32-49 | 4-18 | WNW-NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 3/29/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 3/29/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 3/29/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 3/29/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 3/29/2011 | SES | Excavation/Backfill | 4 | 40 | | | 18 | 145 |
| Totals | | | 9 | 82 | 1 | 8 | 20 | 161 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 3/29/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- Several readings above 60µg/m3at MD-2 caused by gusty winds across the site. Water truck used in accordance with approved plans.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 3/29/2011 | 8,981,498 | 8,981,650 | 152 | 152 | 152 | 8,981,554 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 3/29/2011 | Armored | Common borrow | 1,404.84 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued locating and sizing concrete obstructions in the Cap area utilizing an excavator, ho-ram and pulverizer for re-use as backfill in building 5.
- Continued backfilling and compacting building 5 to elevation +14 with approximately 1,404.84 tons of imported fill.
- Continued cutting walers and chairs in building 5.
- Continued welding plates over the tie back holes in the building 5 sheet pile.
- Initiated removing cover material from previously installed liner along the Mallory corridor to facilitate completion of fills in the Cap area to allow for future connection of the Cap liner.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to layout the Cap area excavation. They are working with excavator and grade foremen daily. Kenyon also checked cuts for the NJCU sewer corridors.
- Sor Testing was on site to perform compaction testing in building 5 with a nuclear density gauge.
- PSE&G was on site to complete tie back anchor.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES:**

- None

VISITORS ONSITE:

- Geoff Shallard – Mactec
- Christopher Pickles - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

March 30, 2011

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|-----------------|---------------------|------------------|------------------|----------------|
| 3/30/2011 | Clear to Cloudy | 0.00 | 37 - 51 | 0 - 10 | NW - SW - SE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 3/30/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 3/30/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 3/30/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 3/30/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 3/30/2011 | SES | Excavation/Backfill | 4 | 40 | | | 18 | 145 |
| Totals | | | 9 | 82 | 1 | 8 | 20 | 161 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 3/30/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:*Toolbox Meeting Topic:*

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- Several readings above 60 µg/m3 at MD-3. Caused by concrete sizing operations. Contractor advised to maintain water spray on this operation.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 3/30/2011 | 8,981,650 | 9,012,990 | 31,340 | 31,340 | 31,340 | 9,012,894 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control.

WASTE MANAGEMENT/DISPOSAL:

Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|--------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|--------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 3/30/2011 | 2697.62 | Common borrow | 2,697.62 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Severson backfilled and compacted (to Elevation +14-15) Bldg. 5 with imported fill, 2,697.62 Tons (1,448 Cy). Backfill in Bldg. 5 is 29,634 CY out of 34, 320 CY (86% complete).
- Continued to break and size concrete obstructions in Cap area utilizing an excavator, hoe-ram and pulverizer attachment.
- Continued welding plates over tie back holes in sheet piling. (Bldg. 5)
- Set up pump in utility cut out near entrance gate to control apparent perched water.
- Resumed excavation in Cap area south of access road and placing excavated material in fill areas along with sized concrete.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to layout the Cap area excavation. They are working with excavator and grade foremen daily.
- Sor Testing was on site to perform compaction testing in building 5 with a nuclear density gauge.
- Shipped one truck load of 8 crane mats offsite

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachement | 3/23/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES:**

- None

VISITORS ONSITE:

- Geoff Shallard – Mactec
- Christopher Pickles – Mactec
- Joe Clifford - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

March 31, 2011

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------------------|---------------------|------------------|------------------|----------------|
| 3/31/2011 | Cloudy, scattered showers | 0.08 | 40 - 43 | 2 - 10 | ENE - E - NE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 3/31/2011 | MACTEC | CM | 4 | 32 | | | | |
| 3/31/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 3/31/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 3/31/2011 | Sor Testing | Compaction Testing | | | | | 1 | 8 |
| 3/31/2011 | SES | Excavation/Backfill | 4 | 40 | | | 18 | 145 |
| Totals | | | 9 | 82 | 0 | 0 | 20 | 161 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 3/31/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 3/30/2011 | 8,981,650 | 9,012,990 | 31,340 | 31,340 | 31,340 | 9,012,894 | 24 |
| 3/31/2011 | 9,012,990 | 9030320 | 17,330 | 17,330 | 17,330 | 9,030,224 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 3/31/2011 | Armored | Common borrow | 2,097.59 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Severson backfilled and compacted (to Elevation +14-15) Bldg. 5 with imported fill, 2,097.59 Tons (1,126 Cy). Backfill in Bldg. 5 is 30,760 CY out of 34,320 CY (90% complete).
- Continued to Break and size concrete obstructions in Cap area utilizing an excavator, hoe-ram and pulverizer attachment.
- Continued welding plates over tie back holes in sheet piling. (Bldg. 5)
- Resumed excavation in Cap area south of access road and placing excavated material in fill areas of Cap. Also, placed sized concrete 6 inch minimum below liner subgrade elevation.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to layout the Cap area excavation. They are working with excavator and grade foremen daily.
- Sor Testing was on site to perform compaction testing in building 5 with a nuclear density gauge.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachement | 3/23/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

April 4, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|---------------------|------------------|------------------|----------------|
| 4/4/2011 | Cloudy | 0.04 | 46-63 | 1-9 | SE-ESE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 4/4/2011 | MACTEC | CM | 4 | 32 | | | | |
| 4/4/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 4/4/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 4/4/2011 | SES | Excavation/Backfill | 4 | 40 | | | 18 | 145 |
| Totals | | | 9 | 82 | 0 | 0 | 19 | 153 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 4/4/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m³ TWA-8hr.
- No readings above trigger level of 200µg/m³-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.4 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | Hours Treated |
|----------|-------------|-----------|-------------------|-----------------|----------------|-----------------|---------------|
| 4/2/2011 | 9,031,780 | 9,039,450 | 7,670 | 7,670 | 7,670 | 9,039,354 | 24 |
| 4/3/2011 | 9,039,450 | 9,039,450 | 0 | 0 | 0 | 9,039,354 | 24 |
| 4/4/2011 | 9,039,450 | 9,039,450 | 0 | 0 | 0 | 9,039,354 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|----------|-------------|---------------|----------|
| 4/4/2011 | Armored | Common borrow | 282.00 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued to break and size concrete in Cap area utilizing an excavator, hoe-ram and pulverizer attachment.
- Continued welding plates over tie back holes in sheet piling in building 5.
- Resumed excavation and fine grading in the Cap area north of the access road and placing excavated material in fill areas of the Cap.
- Cleaned along sheets for bentonite and sand seal between the Cap area and building 6.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to layout the Cap area excavation. They are working with excavator and grade foremen daily.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 8 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | 4/1/2011 |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

April 1, 2011

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|---------------------|------------------|------------------|----------------|
| 4/1/2011 | Rain | 0.15 | 36 - 43 | 2 - 15 | N - NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 4/1/2011 | MACTEC | CM | 4 | 32 | | | | |
| 4/1/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 4/1/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 4/1/2011 | Sor Testing | Compaction Testing | | | | | 1 | 8 |
| 4/1/2011 | SES | Excavation/Backfill | 4 | 40 | | | 18 | 145 |
| Totals | | | 9 | 82 | 0 | 0 | 20 | 161 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 4/1/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m³ TWA-8hr.
- No readings above trigger level of 200µg/m³-TWA-15min.

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.4 |

Daily Wastewater Treatment Plant Operations:

| Date | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | Hours Treated |
|----------|-------------|-----------|-------------------|-----------------|----------------|-----------------|---------------|
| 4/1/2011 | 9,030,320 | 9,031,780 | 1,460 | 1,460 | 1,460 | 9,031,684 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control.

WASTE MANAGEMENT/DISPOSAL:

Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|----------|-------------|---------------|----------|
| 4/1/2011 | Armored | Common borrow | 825.99 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Sevenson backfilled and compacted (to Elevation +14-15) Bldg. 5 with imported fill, 825.99 Tons (443 Cy). Backfill in Bldg. 5 is approx. 31,203 CY out of 334,320 CY (91% complete).
- Continued to break and size concrete in Cap area utilizing an excavator, hoe-ram and pulverizer attachment.
- Continued welding plates over tie back holes in sheet piling. (Bldg. 5)
- Resumed excavation in Cap area south of access road and placing excavated material in fill areas of Cap. Also, placed sized concrete 6 inch minimum below liner subgrade elevation.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to layout the Cap area excavation. They are working with excavator and grade foremen daily.
- Sor Testing was on site to perform compaction testing in building 5 with a nuclear density gauge.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 4 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

April 5, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|---------------------|------------------|------------------|----------------|
| 4/5/2011 | Rain | 0.10 | 44-66 | 3-24 | S-NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 4/5/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 4/5/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 4/5/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 4/5/2011 | SES | Excavation/Backfill | 4 | 40 | | | 18 | 145 |
| Totals | | | 9 | 82 | 1 | 8 | 19 | 153 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 4/5/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m³ TWA-8hr.
- No readings above trigger level of 200µg/m³-TWA-15min.
- Monitoring suspended from 11:15-14:00 due to heavy windblown rain.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.4 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 4/5/2011 | 9,039,450 | 9,045,130 | 5,680 | 5,680 | 5,680 | 9,045,034 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|----------|-------------|--------------|----------|
| 4/5/2011 | Tilcon | No. 67 Stone | 25.32 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Completed breaking and sizing concrete in Cap area.
- Continued welding plates over tie back holes in sheet piling in building 5.
- Continued cutting sheets in building 5.
- Continued excavation in the Cap area south of the access road and placing excavated material in fill areas of the Cap.
- Completed fine grade and anchor trench in the Cap area north of the access road,

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to layout the Cap area excavation. They are working with excavator and grade foremen daily.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 8 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | 4/1/2011 |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Jim DeLano – Mactec
- Joe Szurko – Mactec
- Kathy Monteiro – NJCU

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

April 6, 2011

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|------------------------|---------------------|------------------|------------------|----------------|
| 4/6/2011 | Clear, becoming cloudy | 0.06 | 38-55 | 4-18 | WSW-W |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 4/6/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 4/6/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 4/6/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 4/6/2011 | SES | Excavation/Backfill | 4 | 40 | | | 17 | 137 |
| Totals | | | 9 | 82 | 1 | 8 | 18 | 145 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 4/6/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- One TWA-15 minute reading above 60µg/m3 at MD-3. Isolated spike. No specific cause determined.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.4 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 4/6/2011 | 9,045,130 | 9,045,130 | 0 | 0 | 0 | 9,045,034 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

- Previous total to date to Middlesex County – 25,752.64 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Initiated sizing concrete from building 5 for use as backfill below elevation 6.0.
- Continued welding plates over tie back holes in sheet piling in building 5.
- Continued excavation in the Cap area south of the access road and placing excavated material in fill areas of the Cap and began grading to sub grade for liner.
- Removed PSE&G guide pole from building 7 after Verizon cut the guy wire extending from Route 440 North.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to layout the Cap area excavation. They are working with the grade foremen daily.
- Verizon was on site to disconnect wire from PSE&G guide pole.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 8 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | 4/1/2011 |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Kinjal Shah – Mactec
- Brent O'Dell – Mactec

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

April 7, 2011

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---|---------------------|------------------|------------------|----------------|
| 4/7/2011 | Scattered showers early, then cloudy | 0.01 | 43-49 | 1-9 | NE-N |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 4/7/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 4/7/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 4/7/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 4/7/2011 | SES | Excavation/Backfill | 4 | 40 | | | 19 | 137 |
| Totals | | | 9 | 82 | 1 | 8 | 20 | 145 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 4/7/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:
Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- Readings above 60µg/m3 at MD-2 and MD-3 caused by concrete sizing operations.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.09862 | 3.3 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.08422 | 0.6 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.05756 | 0.2 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.07676 | 0.3 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.9 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.4 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.5 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.5 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.5 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.4 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.3 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.4 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 4/7/2011 | 9,045,130 | 9,045,130 | 0 | 0 | 0 | 9,045,034 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|----------|-------------|--------------------|----------|
| 4/7/2011 | Weldon | 1 1/2" Clean Stone | 25.34 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|----------|----------|-------|--------------------|------------------|-----|
| 4/7/2011 | 1 | Each | Marking Paint | Triboro Hardware | |
| 4/7/2011 | 1 | Each | 4" Perforated Pipe | Brent Materials | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued sizing concrete from building 5 for use as backfill below elevation 6.0.
- Completed welding plates over tie back holes in sheet piling in building 5.
- Continued cutting interlocks at elevation +12.
- Continued excavation in the Cap area south of the access road and placing excavated material in fill areas of the Cap and continued grading to sub grade for liner.
- Cleaned along sheets between the Cap area and building 6.
- Set forms for bentonite/sand mix seal below the liner.
- Initiated fabricating spreader beam for handling liner materials.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to layout the Cap area excavation. They are working with the grade foremen daily.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 8 | 1'x5'x36 Hardwood Crane Mats | 9/29/2010 | 4/1/2011 |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES:**

- Mactec employees were on site for the annual HON program meeting.

VISITORS ONSITE:

- Bill Weber – Mactec
- Randy Talbot – Mactec
- Steve Coora – Mactec
- Jim Cloonan – Mactec
- Rick Karr – Mactec
- Walker Jones – Mactec
- Dave DeVries – Mactec
- Paul Mehta – Mactec
- Andrew Harris – Mactec
- Dan Wioialowski – Mactec
- Kerry Tull – Mactec
- Joe Szurko – Mactec
- Jerry Archer – Mactec
- Steve Murray – Mactec
- Nathan Hagelin – Mactec
- Julie Whitcomb – Mactec
- Binks Colby-George – Mactec
- Don Smallbeck – Mactec
- Ed Gowen – Mactec
- Ted Toskos – Mactec
- Joe Caryl – Mactec
- Jim DeLano – Mactec
- John Poserina – Mactec
- Dennis Nagg – Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

April 11, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|------------------------|---------------------|------------------|------------------|----------------|
| 4/11/2011 | Fog, haze, clearing PM | 0.03 | 52-81 | 3-15 | SSW-SW-SE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 4/11/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 4/11/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 4/11/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 4/11/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 4/11/2011 | SES | Excavation/Backfill | 4 | 40 | | | 19 | 137 |
| Totals | | | 8 | 74 | 1 | 8 | 21 | 153 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 4/11/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:*Toolbox Meeting Topic:*

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m³ TWA-8hr.
- No readings above trigger level of 200µg/m³-TWA-15min.
- Readings above 60µg/m³ at all monitors caused by atmospheric conditions (fog and haze).

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 4/9/2011 | 9,045,130 | 9,045,130 | 0 | 0 | 0 | 9,045,034 | 24 |
| 4/10/2011 | 9,045,130 | 9,045,130 | 0 | 0 | 0 | 9,045,034 | 24 |
| 4/11/2011 | 9,045,130 | 9,045,130 | 0 | 0 | 0 | 9,045,034 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 4/11/2011 | Armored | Common borrow | 1,903.64 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued cutting sheets in building 5 to final elevation.
- Continued excavation in the Cap area south of the access road and placing excavated material in fill areas of the Cap and continued grading to sub grade for liner.
- Backfilled and compacted building 5 to elevation +15-16 with 1,903.64 tons of imported fill.
- Completed sizing of concrete for backfill in building 5 below elevation +12.
- Completed fabricating spreader beam for handling liner materials.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to layout the Cap area excavation. They are working with the grade foremen daily.
- Sor testing was on site to perform compaction testing with a nuclear density gauge.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

April 12, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|--------------|---------------------|------------------|------------------|----------------|
| 4/12/2011 | Cloudy, rain | 0.79 | 51-64 | 2-14 | NNW-NNE-NE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 4/12/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 4/12/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 4/12/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 4/12/2011 | SES | Excavation/Backfill | 4 | 40 | | | 16 | 129 |
| Totals | | | 8 | 74 | 1 | 8 | 17 | 137 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 4/12/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m³ TWA-8hr.
- No readings above trigger level of 200µg/m³-TWA-15min.
- Monitoring interrupted from 11:40-13:15 due to rain.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 4/12/2011 | 9,045,130 | 9,045,130 | 0 | 0 | 0 | 9,045,034 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 4/12/2011 | Armored | Common borrow | 881.00 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued cutting sheets in building 5 to final elevation.
- Continued excavation in the Cap area south of the access road and placing excavated material in fill areas of the Cap and continued grading to sub grade for liner.
- Backfilled and compacted building 5 to elevation +15-16 with 881 tons of imported fill.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to layout the Cap area excavation. They are working with the grade foremen daily.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

April 13, 2011

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|--|---------------------|------------------|------------------|----------------|
| 4/13/2011 | Cloudy, mist, drizzle, light fog PM | 0.30 | 44-50 | 1-12 | NE-ENE-NNE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 4/13/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 4/13/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 4/13/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 4/13/2011 | SES | Excavation/Backfill | 4 | 40 | | | 16 | 129 |
| Totals | | | 8 | 74 | 1 | 8 | 17 | 137 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 4/13/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m³ TWA-8hr.
- No readings above trigger level of 200µg/m³-TWA-15min.
- Readings above 60µg/m³ at the end of the day due to atmospheric conditions – light fog moving in.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 4/13/2011 | 9,045,130 | 9,049,470 | 4,340 | 4,340 | 4,340 | 9,049,374 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 4/13/2011 | Armored | Common borrow | 1,440.19 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued cutting sheets in building 5 to final elevation.
- Prepared for removal and replacement of separated sheets by welding adjacent sheet pile for re-drive activities.
- Initiated NJCU water line operations per addendum 15 by re-grading the Cap area along the Stegman corridor.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to layout the Cap area excavation. They are working with the grade foremen daily.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Telly Giouzelis - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

April 14, 2011

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 4/14/2011 | Clear | 0.00 | 50-69 | 1-13 | NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 4/14/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 4/14/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 4/14/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 4/14/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 4/14/2011 | Moretrench | Well Drillers | | | | | 3 | 8 |
| 4/14/2011 | SES | Excavation/Backfill | 4 | 40 | | | 16 | 129 |
| Totals | | | 8 | 74 | 1 | 8 | 21 | 153 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 4/14/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 4/14/2011 | 9,049,470 | 9,137,480 | 88,010 | 88,010 | 88,010 | 9,137,384 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 4/14/2011 | Armored | Common borrow | 771.64 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued backfilling and compacting building 5 to elevation +16 with 1,769 tons of imported fill.
- Continued preparing for removal and replacement of separated sheets by welding adjacent sheet pile for re-drive activities.
- Continued NJCU water line operations per addendum 15 by re-grading the Cap area along the Stegman corridor.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to layout the Cap area excavation. They are working with the grade foremen daily.
- Sor Testing was on site to perform compaction testing with a nuclear density gauge.
- Moretrench was on site to complete installation of Sump B in the building 7 Cap area.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

April 15, 2011

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------|---------------------|------------------|------------------|----------------|
| 4/15/2011 | Partly Cloudy | 0.00 | 47-53 | 2-14 | NE-E-SE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 4/15/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 4/15/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 4/15/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 4/15/2011 | Moretrench | Well Drillers | | | | | 3 | 8 |
| 4/15/2011 | SES | Excavation/Backfill | 4 | 40 | | | 17 | 153 |
| Totals | | | 8 | 74 | 1 | 8 | 21 | 169 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 4/15/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:*Toolbox Meeting Topic:*

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m³ TWA-8hr.
- No readings above trigger level of 200µg/m³-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 4/15/2011 | 9,137,480 | 9,154,006 | 16,526 | 16,526 | 16,526 | 9,153,910 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Initiated removal and replacement of separated sheets in building 5. Removed 2 pairs and installed 2 singles.
- Graded for under drain installation above the liner between the sheets and Force Main in the Cap area.
- Continued NJCU water line operations per addendum 15 by re-grading the Cap area along the Stegman corridor.
- Installed trench drain for Sump A.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to layout the Cap area excavation. They are working with the grade foremen daily.
- Moretrench was on site to complete installation of Sump A in the building 7 Cap area.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Brent O'Dell - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

April 18, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------|---------------------|------------------|------------------|----------------|
| 4/18/2011 | Partly Cloudy | 0.00 | 46-63 | 0-14 | SW-W-WSW-SE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 4/18/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 4/18/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 4/18/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 4/18/2011 | Moretrench | Well Drillers | | | | | 3 | 8 |
| 4/18/2011 | United Crane | Crane Rental | | | | | 2 | 8 |
| 4/18/2011 | SES | Excavation/Backfill | 4 | 40 | | | 17 | 143 |
| Totals | | | 9 | 82 | 1 | 8 | 23 | 167 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 4/18/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:*Toolbox Meeting Topic:*

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m³ TWA-8hr.
- No readings above trigger level of 200µg/m³-TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 4/16/2011 | 9,154,006 | 9,190,202 | 36,196 | 36,196 | 36,196 | 9,190,106 | 24 |
| 4/17/2011 | 9,190,202 | 9,190,202 | 0 | 0 | 0 | 9,190,106 | 24 |
| 4/18/2011 | 9,190,202 | 9,190,202 | 0 | 0 | 0 | 9,190,106 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|--------------|----------|
| 4/18/2011 | Tilcon | No. 67 Stone | 122.73 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|--------------------|-------------|-----|
| 4/18/2011 | 16 | Rolls | Bentomat | Cetco | |
| 4/18/2011 | 16 | Bags | Granular Bentonite | Cetco | |

EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued removal and replacement of separated sheets in building 5. Installed 2 new pair of 50' sheets to toe depth of +33.0.
- Pumped surface water from building 6 and the Cap area to the water treatment plant.
- Re-graded saturated sub-grade areas in the Cap due to heavy rain fall over the weekend.
- Installed trench drain for Sump B.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kenyon Surveying was on site to layout the Cap area excavation. They are working with the grade foremen daily.
- Moretrench was on site for the well abandonment in building 5. Pulled pumps and grouted DP5-1, DP5-3 through DP5-5 and observation wells 5-2 through 5-5.
- United Crane was on site to assist with the removal of sheet pile in building 5 with a 70 ton hydraulic crane.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES:**

- The last 2 single sheets of the 1st repair were stopped 32” before tip elevation. 672 square feet have been re-driven to date.

VISITORS ONSITE:

- Kathy Monteiro – NJCU
- Andrew Christ – NJCU
- Don Wendt - Matrix

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

April 19, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------------------|---------------------|------------------|------------------|----------------|
| 4/19/2011 | Cloudy, scattered showers | 0.02 | 49-51 | 1-9 | NNE-N |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 4/19/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 4/19/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 4/19/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 4/19/2011 | United Crane | Crane Rental | | | | | 2 | 8 |
| 4/19/2011 | SES | Excavation/Backfill | 4 | 40 | | | 17 | 148 |
| Totals | | | 9 | 82 | 1 | 8 | 20 | 164 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 4/19/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m³ TWA-8hr.
- No readings above trigger level of 200µg/m³-TWA-15min.
- Two readings above 60µg/m³ at MD-3 occurred while driving sheet pile closely to the monitor.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 4/19/2011 | 9,190,202 | 9,309,134 | 118,932 | 118,932 | 118,932 | 9,309,038 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|--------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|--------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Completed removal and replacement of separated sheets in building 5. Installed 2 new pair of 50' sheets to toe depth of -33.0.
- Continued Pumping surface water from building 6 and the Cap area to the water treatment plant.
- Continued re-graded saturated sub-grade areas in the Cap due to heavy rain fall over the weekend.
- Repaired privacy screening and fencing east of Modutank bordering NJCU parking lot.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site to layout the Cap area excavation. They are working with the grade foremen daily.
- United Crane was on site to complete the removal and driving of sheet pile in building 5 with a 70 ton hydraulic crane.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES:**

- 918.6 square feet of sheet pile have been re-driven to date.

VISITORS ONSITE:

- Geoff Shallard - Mactec
- Christopher Pickles - Mactec
- Emil Walerko - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

April 20, 2011

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|--------------|---------------------|------------------|------------------|----------------|
| 4/20/2011 | Fog and Haze | 0.00 | 46-65 | 1-9 | E-ENE-S-NNE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 4/20/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 4/20/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 4/20/2011 | Kennon Surveying | Surveying | | | | | 1 | 8 |
| 4/20/2011 | Geosyntec | QA/QC Consultant | | | | | 1 | 4 |
| 4/20/2011 | Moretrench | Well Abandonment | | | | | 2 | 8 |
| 4/20/2011 | SES | Excavation/Backfill | 4 | 40 | | | 15 | 112 |
| Totals | | | 9 | 82 | 1 | 8 | 19 | 132 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 4/20/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No excursions above the action level of 339µg/m3 TWA-8hr.
- No readings above trigger level of 200µg/m3-TWA-15min.
- Readings above 100µg/m3 at all locations were the result of atmospheric conditions (fog and haze). All monitors showed simultaneous increases and decreases that were unrelated to site activities. Upwind to downwind difference was no more than 30-40 µg/m3 at any time.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 4/20/2011 | 9,309,134 | 9,426,704 | 117,570 | 117,570 | 117,570 | 9,426,608 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Completed cutting sheets in building 5.
- Continued fine grading and rolling Cap area for liner
- Continued re-grading for water line and Stegman corridor.
- Placed Bentonite/sand on sheeting wall between the Cap and building 6.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site to layout the Cap area excavation. They are working with the grade foremen daily.
- Moretrench was on site for abandonment of remaining wells in building 5 and 6.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES:**

- None

VISITORS ONSITE:

- Geoff Shallard - Mactec
- Christopher Pickles - Mactec
- Emil Walerko - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

April 21, 2011

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|--------------|---------------------|------------------|------------------|----------------|
| 4/21/2011 | Clear, windy | 0.00 | 51-60 | 4-22 | NW-WNW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 4/21/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 4/21/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 4/21/2011 | Kennon Surveying | Surveying | | | | | 1 | 8 |
| 4/21/2011 | Geosyntec | QA/QC Consultant | | | | | 1 | 8 |
| 4/21/2011 | Chenango | Liner Subcontractor | | | | | 4 | 8 |
| 4/21/2011 | SES | Excavation/Backfill | 4 | 40 | | | 13 | 96 |
| Totals | | | 8 | 74 | 1 | 8 | 19 | 120 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 4/21/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- One reading of 600µg/m3 TWA-15 min. recorded. Sudden wind gust caused this spike. Water truck responded immediately in accordance with approved plans.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 4/21/2011 | 9,426,704 | 9,495,271 | 68,567 | 68,567 | 68,567 | 9,495,175 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Re-graded at force main for liner termination and under drain.
- Inspected sub-grade for sharp objects prior to installation of 16oz. non-woven Geotextile liner.
- Continued installation of the building 7 16oz. non-woven Geotextile liner in the Cap area. A loader was utilized with a deployment bar to roll out fabric across the slope.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site to layout the Cap area excavation. They are working with the grade foremen daily.
- Chenango Contracting was on site to assist with the installation of the 16oz. non-woven Geotextile liner in the Cap area.
- Geosyntec onsite as Mactec's Independent Quality Inspector for the liner installation.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES:**

- None

VISITORS ONSITE:

- Geoff Shallard - Mactec
- Christopher Pickles - Mactec
- Kinjal Shah – Mactec
- John Poserina – Mactec
- Ted Toskos - Mactec

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

April 22, 2011

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 4/22/2011 | Cloudy | 0.26 | 38-50 | 1-14 | N-E-S |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 4/22/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 4/22/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 4/22/2011 | Kennon Surveying | Surveying | | | | | 1 | 8 |
| 4/22/2011 | Geosyntec | QA/QC Consultant | | | | | 1 | 8 |
| 4/22/2011 | Chenango | Liner Subcontractor | | | | | 4 | 8 |
| 4/22/2011 | SES | Excavation/Backfill | 4 | 40 | | | 13 | 96 |
| Totals | | | 8 | 74 | 1 | 8 | 19 | 120 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 4/22/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:
Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m3 TWA-8hr.
- No readings above the trigger level of 200µg/m3 TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 4/22/2011 | 9,495,271 | 9,495,702 | 431 | 431 | 431 | 9,495,606 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued concrete processing in the Cap area.
- Continued to inspect sub-grade prior to installation of 16oz. non-woven Geotextile liner.
- Re-graded Cap area at the southeast corner.
- Initiated installation of the building 7 Solomax 40mil LLDPE liner in the Cap area. A loader was utilized with a deployment bar to roll out fabric across the slope. Installed 2 layers of GDL in swale.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site to layout the Cap area excavation. They are working with the grade foremen daily.
- Chenango Contracting was on site to assist with the installation of the 16oz. non-woven Geotextile and Solomax 40mil LLDPE liner in the Cap area.
- Geosyntec onsite as Mactec's Independent Quality Inspector for the liner installation.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES:**

- None

VISITORS ONSITE:

- Geoff Shallard - Mactec
- Christopher Pickles - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

April 25, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|--------------------|---------------------|------------------|------------------|----------------|
| 4/25/2011 | Cloudy, then sunny | 0.00 | 58-74 | 1-7 | E-N-E-SE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 4/25/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 4/25/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 4/25/2011 | Kennon Surveying | Surveying | | | | | 1 | 8 |
| 4/25/2011 | Geosyntec | QA/QC Consultant | | | | | 1 | 8 |
| 4/25/2011 | Chenango | Liner Subcontractor | | | | | 4 | 8 |
| 4/25/2011 | SES | Excavation/Backfill | 4 | 40 | | | 13 | 96 |
| Totals | | | 8 | 74 | 1 | 8 | 19 | 120 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 4/25/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m³ TWA-8hr.
- No readings above the trigger level of 200µg/m³ TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 4/23/2011 | 9,495,702 | 9,495,702 | 0 | 0 | 0 | 9,495,606 | 24 |
| 4/24/2011 | 9,495,702 | 9,495,702 | 0 | 0 | 0 | 9,495,606 | 24 |
| 4/25/2011 | 9,495,702 | 9,495,702 | 0 | 0 | 0 | 9,495,606 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Pumped rain water in the Cap area north of the access road to the onsite Water Treatment Plant.
- Reworked previously excavated anchor trenches affected by storm water runoff over the weekend.
- Continued re-grading Cap area at the southeast corner.
- Continued installation of the building 7 Solomax 40mil LLDPE liner in the Cap area. A loader was utilized with a deployment bar to roll out fabric across the slope. 50,965 SF of 40mil liner installed to date including the Mallory corridor.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site for a control survey of the Spring AOC work in the NJCU parking lot.
- Chenango Contracting was on site to assist with the installation of the 16oz. non-woven Geotextile and Solomax 40mil LLDPE liner in the Cap area.
- Geosyntec onsite as Mactec's Independent Quality Inspector for the liner installation.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Christopher Pickles - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

April 26, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|--------------|---------------------|------------------|------------------|----------------|
| 4/26/2011 | Mostly Sunny | 0.00 | 58-81 | 0-16 | SW-NW-SW-SE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 4/26/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 4/26/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 4/26/2011 | Kennon Surveying | Surveying | | | | | 1 | 8 |
| 4/26/2011 | Geosyntec | QA/QC Consultant | | | | | 1 | 8 |
| 4/26/2011 | Chenango | Liner Subcontractor | | | | | 4 | 8 |
| 4/26/2011 | SES | Excavation/Backfill | 4 | 40 | | | 13 | 96 |
| Totals | | | 8 | 74 | 1 | 8 | 19 | 120 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 4/26/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:*Toolbox Meeting Topic:*

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m³ TWA-8hr.
- No readings above the trigger level of 200µg/m³ TWA-15min.
- Instrument MD-2 down for upgrade 12:41-13:56. No data collected.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 4/26/2011 | 9,495,702 | 9,549,391 | 53,689 | 53,689 | 53,689 | 9,549,295 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued re-grading Cap area ahead of the liner crew.
- Continued installation of the building 7 Non-woven Geotextile, GCL and Solomax 40mil LLDPE liner in the Cap area. A loader was utilized with a deployment bar to roll out fabric across the slope. Approximately 59,031.5 SF each of Non-woven Geotextile and 40mil liner installed to date including the Mallory corridor.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site for a control survey of the Spring AOC work in the NJCU parking lot.
- Chenango Contracting was on site to assist with the installation of the 16oz. non-woven Geotextile and Solomax 40mil LLDPE liner in the Cap area.
- Geosyntec onsite as Mactec's Independent Quality Inspector for the liner installation.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES:**

- None

VISITORS ONSITE:

- Christopher Pickles – Mactec
- Kinjal Shah – Mactec
- Marinna Seemuller - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

April 27, 2011

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------|---------------------|------------------|------------------|----------------|
| 4/27/2011 | Partly Cloudy | 0.01 | 61-73 | 2-8 | SE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 4/27/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 4/27/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 4/27/2011 | Kennon Surveying | Surveying | | | | | 1 | 8 |
| 4/27/2011 | Geosyntec | QA/QC Consultant | | | | | 1 | 8 |
| 4/27/2011 | Chenango | Liner Subcontractor | | | | | 4 | 8 |
| 4/27/2011 | SES | Excavation/Backfill | 4 | 40 | | | 13 | 96 |
| Totals | | | 9 | 82 | 1 | 8 | 19 | 120 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 4/27/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m³ TWA-8hr.
- No readings above the trigger level of 200µg/m³ TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 4/27/2011 | 9,549,391 | 9,658,577 | 109,186 | 109,186 | 109,186 | 9,658,481 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued re-grading Cap area ahead of the liner crew.
- Continued re-grading for water line in the Cap area.
- Placed 6 loads of cover soil in the Cap area in order to install access road and temporary culvert.
- Continued installation of the building 7 Cap area GDL in the western side south of the access road. A loader was utilized with a deployment bar to roll out the various liners across the slope. Approximately 19,600 SF of GDL was installed today.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site for grading assistance in the building 7 Cap area. They also located repairs from the liner installation.
- Chenango Contracting was on site to assist with the installation of the GDL and various testing in the building 7 Cap area.
- Geosyntec onsite as Mactec's Independent Quality Inspector for the liner installation.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES:**

- None

VISITORS ONSITE:

- Christopher Pickles – Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

April 28, 2011

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|--------------|---------------------|------------------|------------------|----------------|
| 4/28/2011 | Cloudy, rain | 0.33 | 61-76 | 1-9 | SE-SW-W-S |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 4/28/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 4/28/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 4/28/2011 | Kennon Surveying | Surveying | | | | | 1 | 8 |
| 4/28/2011 | Geosyntec | QA/QC Consultant | | | | | 1 | 8 |
| 4/28/2011 | Chenango | Liner Subcontractor | | | | | 4 | 8 |
| 4/28/2011 | SES | Excavation/Backfill | 4 | 40 | | | 13 | 96 |
| Totals | | | 9 | 82 | 1 | 8 | 19 | 120 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 4/28/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m³ TWA-8hr.
- No readings above the trigger level of 200µg/m³ TWA-15min.
- Air monitoring suspended @13:14 with the onset of rain.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 4/28/2011 | 9,658,577 | 9,661,765 | 3,188 | 3,188 | 3,188 | 9,661,669 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued re-grading Cap area ahead of the liner crew.
- Continued re-grading for water line in the Cap area.
- Performed sub-grade inspections.
- Continued installation of the building 7 Cap area GDL and 160z. Non-woven Geotextile in the western side and north slope south of the access road. Approximately 16,800 SF of GDL and 15,750 SF of 16oz. Non-woven Geotextile were installed today.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site for grading assistance in the building 7 Cap area. They also located repairs from the liner installation.
- Chenango Contracting was on site for the installation of the GDL and various testing in the building 7 Cap area.
- Geosyntec onsite as Mactec's Independent Quality Inspector for the liner installation.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Christopher Pickles – Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

April 29, 2011

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------|---------------------|------------------|------------------|----------------|
| 4/29/2011 | Clear, cloudy | 0.00 | 58-69 | 3-16 | S-W |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 4/29/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 4/29/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 4/29/2011 | Kennon Surveying | Surveying | | | | | 1 | 8 |
| 4/29/2011 | Geosyntec | QA/QC Consultant | | | | | 1 | 8 |
| 4/29/2011 | Chenango | Liner Subcontractor | | | | | 4 | 8 |
| 4/29/2011 | SES | Excavation/Backfill | 4 | 40 | | | 13 | 96 |
| Totals | | | 9 | 82 | 1 | 8 | 19 | 120 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 4/29/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m³ TWA-8hr.
- No readings above the trigger level of 200µg/m³ TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|-------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 -TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 -TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 -TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 -TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 -TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 -TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 -TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 -TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 4/29/2011 | 9,661,765 | 9,669,378 | 7,613 | 7,613 | 7,613 | 9,669,282 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

Cover Soil:

| Date | Origination | Material | Net Tons |
|-----------|-----------------|------------|----------|
| 4/30/2011 | Maddox Trucking | Cover Soil | 785.24 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Initiated placing cover soil over the GDL in the Cap area south of the access road.
- Pumped water from the building 6 area due to heavy rain activity on Thursday, 4/28/2011.
- Continued installation of the building 7 Cap area GCL, 40 mil LLDPE and 160z. Non-woven Geotextile in the western side and northern slope south of the access road. Approximately 3,200 SF of GCL, 21,912 SF of 40 mil LLDPE and 6,000 SF of 16oz. Non-woven Geotextile were installed today.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site to layout the Spring NJCU AOC work and to locate repairs from the liner installation.
- Chenango Contracting was on site for the installation of the GCL, 16 oz. Non-woven Geotextile and the 40 mil LLDPE in the building 7 Cap area.
- Geosyntec onsite as Mactec's Independent Quality Inspector for the liner installation.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | 4/28/2011 |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

May 2, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|---------------------|------------------|------------------|----------------|
| 5/2/2011 | Cloudy | 0.00 | 53-61 | 1-6 | SE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 5/2/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 5/2/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 5/2/2011 | Kennon Surveying | Surveying | | | | | 1 | 8 |
| 5/2/2011 | Geosyntec | QA/QC Consultant | | | | | 1 | 8 |
| 5/2/2011 | Chenango | Liner Subcontractor | | | | | 4 | 8 |
| 5/2/2011 | SES | Excavation/Backfill | 4 | 40 | | | 13 | 96 |
| Totals | | | 9 | 82 | 1 | 8 | 19 | 120 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 5/2/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m³ TWA-8hr.
- No readings above the trigger level of 200µg/m³ TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|-------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 -TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 -TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 -TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 -TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 -TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 -TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 -TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 -TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 4/30/2011 | 9,669,378 | 9,682,342 | 12,964 | 12,964 | 12,964 | 9,682,246 | 24 |
| 5/1/2011 | 9,682,342 | 9,682,342 | 0 | 0 | 0 | 9,682,246 | 24 |
| 5/2/2011 | 9,682,342 | 9,682,342 | 0 | 0 | 0 | 9,682,246 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Cover Soil:

| Date | Origination | Material | Net Tons |
|----------|-----------------|------------|----------|
| 5/2/2011 | Maddox Trucking | Cover Soil | 865.23 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued placing cover soil over the GDL in the Cap area south of the access road. Approximately 865.23 tons placed today.
- Removed gate to prepare for asphalt and hazardous soil removal on 5/3/2011.
- Continued installation of the building 7 Cap area GCL and 40mil LLDPE north of the access road. Approximately 15,000 SF of GCL and 14,212 SF of 40mil LLDPE were installed today.
- Resumed re-grading for the Stegman corridor and waterline in the area adjacent to the Mallory corridor.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site for re-grading work in the building 7 Cap area.
- Chenango Contracting was on site for the installation of the GCL and the 40 mil LLDPE in the building 7 Cap area.
- Geosyntec onsite as Mactec's Independent Quality Inspector for the liner installation.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | 4/28/2011 |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES:**

- None

VISITORS ONSITE:

- Joe Clifford – Mactec
- Geoff Shallard - Mactec
- Kim Bell Hosea – Carpenter Environmental
- Alicia Alcorn – TPM
- Jim Rogers - Omega

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

May 3, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|-------------|---------------------|------------------|------------------|----------------|
| 5/3/2011 | Clouds, sun | 0.00 | 58-71 | 0-7 | NNE-ESE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 5/3/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 5/3/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 5/3/2011 | Kennon Surveying | Surveying | | | | | 1 | 8 |
| 5/3/2011 | Geosyntec | QA/QC Consultant | | | | | 1 | 8 |
| 5/3/2011 | Chenango | Liner Subcontractor | | | | | 4 | 32 |
| 5/3/2011 | Veniero Trucking | Trucking Subcontractor | | | | | 4 | 32 |
| 5/3/2011 | SES | Excavation/Backfill | 4 | 40 | | | 13 | 104 |
| Totals | | | 9 | 82 | 1 | 8 | 23 | 184 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|----------------------|-----------|-----------|
| 5/3/2011 | Traffic Control | 1 | 8 |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m3 TWA-8hr.
- No readings above the trigger level of 200µg/m3 TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 5/3/2011 | 9,682,342 | 9,683,611 | 1,269 | 1,269 | 1,269 | 9,683,515 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total sent to US Ecology – 25,026.24 tons

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.642 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|----------|-------------|----------|----------|
| 5/3/2011 | Tilcon | DGA | 97.83 |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Cover Soil:

| Date | Origination | Material | Net Tons |
|----------|-----------------|------------|----------|
| 5/3/2011 | Maddox Trucking | Cover Soil | 1,367.07 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued placing cover soil over the GDL in the Cap area south of the access road. Approximately 1,367.07 tons placed today.
- Loaded out asphalt in the access road for shipment to Tilcon's recycling plant. Approximately 256.42 tons shipped off site today.
- Prepared access road for hazardous soil load out.
- Continued installation of the building 7 Cap area GCL, GDL, 16oz. Geo-textile and 40mil LLDPE north of the access road. Approximately 2,035 SF of GCL, 16,250 SF of GDL, 24,750 SF of 16oz. Geo-textile and 2,035 SF of 40mil LLDPE were installed today.
- Continued re-grading the access road except for temporary access drive on the east side.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site to stake cuts for hazardous soil load out.
- Chenango Contracting was on site for the installation of the GCL and the 40 mil LLDPE in the building 7 Cap area.
- Geosyntec onsite as Mactec's Independent Quality Inspector for the liner installation.
- Veniero Trucking was on site for load out of asphalt.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | 4/28/2011 |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

May 4, 2011

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|---------------------|------------------|------------------|----------------|
| 5/4/2011 | Rain | 0.37 | 48-63 | 2-16 | N-NW |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 5/4/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 5/4/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 5/4/2011 | Kennon Surveying | Surveying | | | | | 1 | 8 |
| 5/4/2011 | Geosyntec | QA/QC Consultant | | | | | 1 | 2 |
| 5/4/2011 | Chenango | Liner Subcontractor | | | | | 4 | 4 |
| 5/4/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 5/4/2011 | SES | Excavation/Backfill | 4 | 40 | | | 13 | 104 |
| Totals | | | 9 | 82 | 1 | 8 | 21 | 134 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|----------------------|-----------|-----------|
| 5/4/2011 | Traffic Control | 1 | 8 |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m³ TWA-8hr.
- No readings above the trigger level of 200µg/m³ TWA-15min.
- Monitoring suspended due to heavy rain.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 5/4/2011 | 9,683,611 | 9,692,772 | 9,161 | 9,161 | 9,161 | 9,692,676 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.
- Discharge reduced due to rain event.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 5/4/2011 | 27 | Horwith | Haz Soil | 677.33 | 25,703.57 | 25.09 | 54 | US Ecology |

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.642 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Cover Soil:

| Date | Origination | Material | Net Tons |
|----------|-----------------|------------|----------|
| 5/4/2011 | Maddox Trucking | Cover Soil | 1,583.76 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued placing cover soil over the GDL in the Cap area south of the access road. Approximately 1,583.76 tons placed today.
- Loaded out hazardous soil. Approximately 677.33 tons shipped off site on 27 trucks.
- Completed building 7 access road excavation.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site to check sub-grade as hazardous soil was excavated.
- Chenango Contracting was on site, but released early due to rain activity.
- Geosyntec onsite as Mactec's Independent Quality Inspector for the liner installation.
- Horwith was on site for load out of hazardous soil.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | 4/28/2011 |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Kinjal Shah - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

May 5, 2011

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|----------------------|---------------------|------------------|------------------|----------------|
| 5/5/2011 | Sunny, partly cloudy | 0.00 | 50-65 | 4-21 | NNW-W |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 5/5/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 5/5/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 5/5/2011 | Kennon Surveying | Surveying | | | | | 1 | 8 |
| 5/5/2011 | Geosyntec | QA/QC Consultant | | | | | 1 | 8 |
| 5/5/2011 | Chenango | Liner Subcontractor | | | | | 4 | 32 |
| 5/5/2011 | SES | Excavation/Backfill | 4 | 40 | | | 13 | 104 |
| Totals | | | 9 | 82 | 1 | 8 | 19 | 152 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|----------------------|-----------|-----------|
| 5/5/2011 | Traffic Control | 1 | 8 |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m³ TWA-8hr.
- No readings above the trigger level of 200µg/m³ TWA-15min.
- M1 was recalibrated at 10:00 due to artificially high readings.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|-------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 -TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 -TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 -TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 -TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 -TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 -TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 -TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 -TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |
| 5/5/2011 | 184 -TW-01-050511 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 5/5/2011 | 9,692,772 | 9,710,064 | 17,292 | 17,292 | 17,292 | 9,709,968 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.
-

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| | | | | | | | | |

- Previous total to date to US Ecology – 25,703.57

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| | | | | | | | | |

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.642 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Cover Soil:

| Date | Origination | Material | Net Tons |
|----------|-----------------|------------|----------|
| 5/5/2011 | Maddox Trucking | Cover Soil | 25.72 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued placing and grading cover soil over the GDL in the Cap area south of the access road. Approximately 25.72 tons placed today.
- Continued the installation of the 40mil LLDPE, GDL and GCL south of the access road in the building 7 Cap area. Approximately 19,600 SF of 40mil LLDPE, 16,800 SF of GDL and 6,750 of GCL were installed today.
- Prepared sub-grade in the access road due to heavy rains the previous day.
- Initiated uncovering the liner along the Home Depot corridor to prepare for transition.
- Initiated constructing containment area along the Home Depot corridor for excavated soils.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site to check sub-grade for the access road excavation.
- Chenango Contracting was on site for the installation of the GCL, GDL and 40mil LLDPE liner.
- Geosyntec onsite as Mactec's Independent Quality Inspector for the liner installation.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | 4/28/2011 |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES:**

- None

VISITORS ONSITE:

- Telly Giouzelis – Mactec
- Ted Toskos – Mactec
- Bruce Groves – Emilcott
- Dave Tomsey – Emilcott
- John Mojka - Honeywell

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

May 6, 2011

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|----------------------|---------------------|------------------|------------------|----------------|
| 5/6/2011 | Sunny, partly cloudy | 0.00 | 51-70 | 2-18 | W-S-E |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 5/6/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 5/6/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 5/6/2011 | Kennon Surveying | Surveying | | | | | 1 | 8 |
| 5/6/2011 | Geosyntec | QA/QC Consultant | | | | | 1 | 8 |
| 5/6/2011 | Lore Sweeping | Power Brooming | | | | | 1 | 4 |
| 5/6/2011 | Chenango | Liner Subcontractor | | | | | 4 | 32 |
| 5/6/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 112 |
| Totals | | | 9 | 82 | 1 | 8 | 21 | 164 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|------------------------------------|-----------|-----------|
| 5/6/2011 | Jersey City Police Traffic Control | 1 | 8 |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m³ TWA-8hr.
- No readings above the trigger level of 200µg/m³ TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|-------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 -TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 -TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 -TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 -TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 -TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 -TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 -TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 -TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |
| 5/5/2011 | 184 -TW-01-050511 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 5/6/2011 | 9,710,064 | 9,718,190 | 8,126 | 8,126 | 8,126 | 9,718,094 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 25,703.57

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.642 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

Cover Soil:

| Date | Origination | Material | Net Tons |
|----------|-----------------|------------|----------|
| 5/6/2011 | Maddox Trucking | Cover Soil | 1,654.53 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|----------|----------|-------|---------------------------|-------------------|-----|
| 5/6/2011 | 28 | Rolls | Orange Demarcation Fabric | Benton Industries | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued placing and grading cover soil over the GDL in the Cap area south of the access road. Approximately 1,654.53 tons placed today.
- Continued the installation of the 40mil LLDPE south of the access road in the building 7 Cap area. Approximately 10,350 SF of 40mil LLDPE were installed today.
- Re-graded to remove water from excavated access road.
- Continued uncovering the liner along the Home Depot corridor to prepare for transition.
- Removed access road and graded for liner work across the Mallory corridor. Placed excavated material in the containment area located near the east end of the job site.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site to check sub-grade for the access road excavation and to layout the NJCU AOC Spring work.
- Chenango Contracting was on site for the installation of the 40mil LLDPE liner.
- Geosyntec onsite as Mactec's Independent Quality Inspector for the liner installation.
- Lore Sweeping was on site for dust control.
- Jersey City Police were on site for traffic control.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | 4/28/2011 |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

May 9, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|---------------------|------------------|------------------|----------------|
| 5/9/2011 | Clear | 0.00 | 55-72 | 2-13 | N |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 5/9/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 5/9/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 5/9/2011 | Kennon Surveying | Surveying | | | | | 1 | 8 |
| 5/9/2011 | Geosyntec | QA/QC Consultant | | | | | 1 | 8 |
| 5/9/2011 | Semcor | Sawcutting | | | | | 1 | 8 |
| 5/9/2011 | Chenango | Liner Subcontractor | | | | | 4 | 32 |
| 5/9/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 112 |
| Totals | | | 9 | 82 | 1 | 8 | 21 | 168 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 5/9/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m³ TWA-8hr.
- No readings above the trigger level of 200µg/m³ TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|-------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 -TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 -TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 -TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 -TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 -TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 -TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 -TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 -TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |
| 5/5/2011 | 184 -TW-01-050511 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 5/7/2011 | 9,718,190 | 9,728,280 | 10,090 | 10,090 | 10,090 | 9,728,184 | 24 |
| 5/8/2011 | 9,728,280 | 9,728,280 | 0 | 0 | 0 | 9,728,184 | 24 |
| 5/9/2011 | 9,728,280 | 9,728,280 | 0 | 0 | 0 | 9,728,184 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 25,703.57

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.642 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Cover Soil:

| Date | Origination | Material | Net Tons |
|----------|-----------------|------------|----------|
| 5/9/2011 | Maddox Trucking | Cover Soil | 738.83 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued placing and grading cover soil over the GDL in the Cap area south of the access road. Approximately 738.83 tons placed today.
- Continued the installation of the GDL south of the access road in the building 7 Cap area. Approximately 32,900 SF of GDL were installed today.
- Continued uncovering the liner along the Home Depot corridor to prepare for transition.
- Initiated layout and saw cutting for the NJCU AOC Spring work.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site to layout the NJCU AOC Spring work.
- Chenango Contracting was on site for the installation of the GDL liner.
- Geosyntec onsite as Mactec's Independent Quality Inspector for the liner installation.
- Semcor was on site for saw cutting in the NJCU parking lot.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | 4/28/2011 |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Kinjal Shah - Mactec

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

May 10, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 5/10/2011 | Clear | 0.00 | 55-75 | 2-13 | N-NNE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 5/10/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 5/10/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 5/10/2011 | Kennon Surveying | Surveying | | | | | 1 | 8 |
| 5/10/2011 | Geosyntec | QA/QC Consultant | | | | | 1 | 8 |
| 5/10/2011 | Semcor | Sawcutting | | | | | 1 | 8 |
| 5/10/2011 | Chenango | Liner Subcontractor | | | | | 4 | 32 |
| 5/10/2011 | Veniero Trucking | Trucking Subcontractor | | | | | 4 | 32 |
| 5/10/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 112 |
| Totals | | | 9 | 82 | 1 | 8 | 25 | 200 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|------------------------------------|-----------|-----------|
| 5/10/2011 | Jersey City Police Traffic Control | 1 | 8 |

HEALTH & SAFETY:
Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m3 TWA-8hr.
- No readings above the trigger level of 200µg/m3 TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|-------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 -TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 -TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 -TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 -TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 -TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 -TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 -TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 -TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |
| 5/5/2011 | 184 -TW-01-050511 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 5/10/2011 | 9,728,280 | 9,758,837 | 30,557 | 30,557 | 30,557 | 9,758,741 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 25,703.57

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 25,752.64 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.642 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued placing cover soil on areas where the GDL has been completed.
- Continued the installation of the GDL and the 40mil LLDPE south of the access road in the building 7 Cap area. Approximately 5,000 SF of GDL and 3,000 SF of 40mil LLDPE were installed today.
- Continued layout and asphalt saw cutting for the NJCU Residential AOC Spring work.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site to layout the NJCU Residential AOC Spring work.
- Chenango Contracting was on site for the installation of the GDL and 40mil LLDPE liners.
- Geosyntec onsite as Mactec's Independent Quality Inspector for the liner installation.
- Semcor was on site for asphalt saw cutting in the NJCU parking lot.
- Jersey City Police were on site for traffic control.
- Veniero Trucking was on site for asphalt removal.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | 4/28/2011 |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Geoff Shallard – Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

May 11, 2011

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------|---------------------|------------------|------------------|----------------|
| 5/11/2011 | Partly cloudy | 0.00 | 53-71 | 1-12 | N-NNE-NE-N |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 5/11/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 5/11/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 5/11/2011 | Kennon Surveying | Surveying | | | | | 1 | 8 |
| 5/11/2011 | Geosyntec | QA/QC Consultant | | | | | 1 | 8 |
| 5/11/2011 | Semcor | Sawcutting | | | | | 1 | 8 |
| 5/11/2011 | Chenango | Liner Subcontractor | | | | | 4 | 32 |
| 5/11/2011 | Veniero Trucking | Trucking Subcontractor | | | | | 4 | 32 |
| 5/11/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 5/11/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 112 |
| Totals | | | 9 | 82 | 1 | 8 | 27 | 216 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|------------------------------------|-----------|-----------|
| 5/11/2011 | Jersey City Police Traffic Control | 1 | 8 |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m³ TWA-8hr.
- No readings above the trigger level of 200µg/m³ TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|-------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 -TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 -TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 -TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 -TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 -TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 -TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 -TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 -TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |
| 5/5/2011 | 184 -TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.22 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 5/11/2011 | 9,758,837 | 9,768,300 | 9,463 | 9,463 | 9,463 | 9,768,204 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 25,703.57

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 5/11/2011 | 21 | Veniero | Non-Haz Soil | 451.02 | 32,279.61 | 21.48 | 43 | MCL |

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Total to date to Middlesex County – 26,203.66 tons

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.642 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued placing cover soil on areas where the GDL has been completed.
- Continued the installation of the GCL and the 40mil LLDPE in the access road in the building 7 Cap area. Approximately 13,600 SF of GCL and 13,600 SF of 40mil LLDPE were installed today.
- Continued layout and asphalt saw cutting for the NJCU Residential AOC Spring work.
- Continued removing asphalt and initiated excavation in the northern side of the Residential AOC. 18 loads containing 474.03 tons were taken to Tilcon's recycling plant.
- Loaded out 21 trucks containing 451.02 tons of non-hazardous soil from the Residential AOC.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site to layout the NJCU Residential AOC Spring work.
- Chenango Contracting was on site for the installation of the GCL and 40mil LLDPE liners.
- Geosyntec onsite as Mactec's Independent Quality Inspector for the liner installation.
- Semcor was on site for asphalt saw cutting in the NJCU parking lot.
- Jersey City Police were on site for traffic control.
- Veniero Trucking was on site for asphalt removal.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | 4/28/2011 |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES:**

- None

VISITORS ONSITE:

- Ted Toskos – Mactec
- Telly Giouzelis – Mactec
- Michelle Daly – Mactec

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

May 12, 2011

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 5/12/2011 | Clear | 0.00 | 58-72 | 1-12 | NE-ENE-SE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 5/12/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 5/12/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 5/12/2011 | Kennon Surveying | Surveying | | | | | 1 | 8 |
| 5/12/2011 | Geosyntec | QA/QC Consultant | | | | | 1 | 8 |
| 5/12/2011 | Chenango | Liner Subcontractor | | | | | 4 | 32 |
| 5/12/2011 | Veniero Trucking | Trucking Subcontractor | | | | | 4 | 32 |
| 5/12/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 5/12/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 126 |
| Totals | | | 9 | 82 | 1 | 8 | 26 | 222 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------------------|-----------|-----------|
| 5/12/2011 | Jersey City Police Traffic Control | 1 | 8 |

HEALTH & SAFETY:
Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m³ TWA-8hr.
- No readings above the trigger level of 200µg/m³ TWA-15min.
- One reading above 100µg/m³ was a technical glitch, caused by the technician examining the monitor.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.22 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 5/12/2011 | 9,768,300 | 9,770,020 | 1,720 | 1,720 | 1,720 | 9,769,924 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 25,703.57

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 5/12/2011 | 41 | Veniero | Non-Haz Soil | 970.80 | 33,250.41 | 23.68 | 49 | MCL |

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Total to date to Middlesex County – 27,111.46 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.642 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|----------------|----------|
| 5/12/2011 | Tilcon | #10 Screenings | 356.00 |

Cover Soil:

| Date | Origination | Material | Net Tons |
|-----------|-----------------|------------|----------|
| 5/12/2011 | Maddox Trucking | Cover Soil | 478.58 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued placing cover soil on areas where the GDL has been completed including the access road area.
- Continued the installation of the GDL in the access road in the building 7 Cap area. Approximately 10,000 SF of GDL was installed today.
- Continued removing asphalt and continued excavation in the NJCU Residential AOC. 15 loads containing approximately 392.27 tons were taken to Tilcon's recycling plant.
- Loaded out 41 trucks containing approximately 907.80 tons of non-hazardous soil from the NJCU Residential AOC.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site to layout the NJCU Residential AOC Spring work.
- Chenango Contracting was on site for the installation of the GDL liner.
- Geosyntec onsite as Mactec's Independent Quality Inspector for the liner installation.
- Jersey City Police were on site for traffic control.
- Veniero Trucking was on site for asphalt removal.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | 4/28/2011 |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES:**

- None

VISITORS ONSITE:

- Ted Toskos – Mactec
- Telly Giouzelis – Mactec
- Michelle Daly – Mactec
- Chris Rowatti – Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

May 13, 2011

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 5/13/2011 | Cloudy | 0.00 | 54-66 | 0-8 | SW-SSE |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 5/13/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 5/13/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 5/13/2011 | Kennon Surveying | Surveying | | | | | 1 | 8 |
| 5/13/2011 | Geosyntec | QA/QC Consultant | | | | | 1 | 8 |
| 5/13/2011 | Chenango | Liner Subcontractor | | | | | 4 | 32 |
| 5/13/2011 | Veniero Trucking | Trucking Subcontractor | | | | | 4 | 32 |
| 5/13/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 5/13/2011 | Arecon | Disposal | | | | | 2 | 17 |
| 5/13/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 126 |
| Totals | | | 9 | 82 | 1 | 8 | 27 | 231 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|----------------------|-----------|-----------|
| 5/13/2011 | Traffic Control | 1 | 8 |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m3 TWA-8hr.
- No readings above the trigger level of 200µg/m3 TWA-15min.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.22 |

Daily Wastewater Treatment Plant Operations:

| Date | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | Hours Treated |
|-----------|-------------|-----------|-------------------|-----------------|----------------|-----------------|---------------|
| 5/13/2011 | 9,770,020 | 9,770,020 | 0 | 0 | 0 | 9,769,924 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 25,703.57

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 5/13/2011 | 45 | Veniero | Non-Haz Soil | 983.70 | 34,171.11 | 21.86 | 40 | MCL |

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Total to date to Middlesex County – 28,090.16 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.642 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|------------------|----------|
| 5/13/2011 | Weldon | 1.5" Clean Stone | 151.50 |
| 5/13/2011 | Armored | Common borrow | 2,415.03 |

Cover Soil:

| Date | Origination | Material | Net Tons |
|-----------|-----------------|------------|----------|
| 5/13/2011 | Maddox Trucking | Cover Soil | 533.06 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|-------------|-------------|-----|
| 5/13/2011 | 5 | Rolls | LLDPE Liner | Skaps | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued placing cover soil on areas where the GDL has been completed.
- Initiated installation of the Home Depot liner transition.
- Continued removing asphalt and continued excavation in the NJCU Residential AOC. 18 loads containing approximately 456.90 tons were taken to Tilcon's recycling plant.
- Loaded out 45 trucks containing approximately 983.70 tons of non-hazardous soil from the NJCU Residential AOC.
- Reinstalled construction entrance using DGA and clean 1.5" stone for the top dressing.
- Initiated placing demarcation warning layer underneath the backfill material and compaction of the backfill in the NJCU Residential AOC.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|------------------------|--------------------|---------------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- **Sheet pile installation was completed on 3/18/2011.**

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site to layout the NJCU Residential AOC Spring work.
- Chenango Contracting was on site for the installation of the Home Depot liner transition.
- Geosyntec onsite as Mactec's Independent Quality Inspector for the liner installation.
- Jersey City Police were on site for traffic control.
- Veniero Trucking was on site for asphalt removal.
- Sor testing was on site for compaction testing with a nuclear density gauge in the NJCU Residential AOC.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | 4/28/2011 |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Ted Toskos – Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

May 16, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|------------------------------|---------------------|------------------|------------------|----------------|
| 5/16/2011 | Fog, drizzle, scattered rain | 0.13 | 56-63 | 1-10 | E-ENE-NNE |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 66 | 20.27 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 5/16/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 5/16/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 5/16/2011 | Kennon Surveying | Surveying | | | | | 1 | 10 |
| 5/16/2011 | Veniero Trucking | Trucking Subcontractor | | | | | 1 | 10 |
| 5/16/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 9 |
| 5/16/2011 | Arecon | Disposal | | | | | 2 | 17 |
| 5/16/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 140 |
| Totals | | | 9 | 82 | 1 | 8 | 19 | 186 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 5/16/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m³ TWA-8hr.
- No readings above the trigger level of 200µg/m³ TWA-15min.
- Readings above 60µg/m³ due to fog.

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|-------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 -TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 -TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 -TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 -TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 -TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 -TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 -TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 -TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |
| 5/5/2011 | 184 -TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.22 |

Daily Wastewater Treatment Plant Operations:

| Date | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | Hours Treated |
|-----------|-------------|-----------|-------------------|-----------------|----------------|-----------------|---------------|
| 5/14/2011 | 9,770,020 | 9,770,020 | 0 | 0 | 0 | 9,769,924 | 24 |
| 5/15/2011 | 9,770,020 | 9,770,020 | 0 | 0 | 0 | 9,769,924 | 24 |
| 5/16/2011 | 9,770,020 | 9,770,020 | 0 | 0 | 0 | 9,769,924 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 25,703.57

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 5/16/2011 | 60 | Veniero | Non-Haz Soil | 1,362.35 | 35,533.46 | 22.71 | 42 | MCL |

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Total to date to Middlesex County – 29,452.51 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.642 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 5/16/2011 | Armored | Common borrow | 1,224.05 |

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued grading cover soil in the Cap area.
- Continued excavation in the north and central locations of the NJCU Residential AOC.
- Loaded out 60 trucks containing approximately 1,362.35 tons of non-hazardous soil from the NJCU Residential AOC.
- Reset the main gate 10ft. south in order to land on the force main bridge.
- Continued placing demarcation warning layer underneath the backfill material and compaction of the backfill in the NJCU Residential AOC.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|------------------------|--------------------|---------------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site to layout the NJCU Residential AOC Spring work.
- Veniero Trucking was on site for transport of backfill material.
- Sor testing was on site for compaction testing with a nuclear density gauge in the NJCU Residential AOC.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | 4/28/2011 |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Michelle Daly – Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

May 17, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|--------------------------------|---------------------|------------------|------------------|----------------|
| 5/17/2011 | Intermittent rain, then cloudy | 0.47 | 54-64 | 1-13 | NE |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 67 | 20.74 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 5/17/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 5/17/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 5/17/2011 | Kennon Surveying | Surveying | | | | | 1 | 8 |
| 5/17/2011 | Veniero Trucking | Trucking Subcontractor | | | | | 2 | 20 |
| 5/17/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 9 |
| 5/17/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 5/17/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 140 |
| Totals | | | 9 | 82 | 1 | 8 | 20 | 193 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 5/17/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m³ TWA-8hr.
- No readings above the trigger level of 200µg/m³ TWA-15min.

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.22 |

Daily Wastewater Treatment Plant Operations:

| Date | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | Hours Treated |
|-----------|-------------|-----------|-------------------|-----------------|----------------|-----------------|---------------|
| 5/17/2011 | 9,770,020 | 9,778,221 | 8,201 | 8,201 | 8,201 | 9,778,125 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 25,703.57

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 5/17/2011 | 51 | Veniero | Non-Haz Soil | 1,127.86 | 36,661.32 | 22.11 | 44 | MCL |

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Total to date to Middlesex County – 30,580.17 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.642 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 5/17/2011 | Armored | Common borrow | 1,339.89 |

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Initiated fine grading of backfill in the NJCU Residential AOC in preparation for asphalt placement.
- Continued excavation in the southern and central locations of the NJCU Residential AOC.
- Loaded out 51 trucks containing approximately 1,127.86 tons of non-hazardous soil from the NJCU Residential AOC.
- Continued placing demarcation warning layer underneath the backfill material and compaction of the backfill in the NJCU Residential AOC.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site to layout the NJCU Residential AOC Spring work.
- Veniero Trucking was on site for transport of backfill material.
- Sor testing was on site for compaction testing with a nuclear density gauge in the NJCU Residential AOC.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | 4/28/2011 |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

May 18, 2011

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|-------------------|---------------------|------------------|------------------|----------------|
| 5/18/2011 | Intermittent rain | 2.26 | 57-72 | 1-11 | NE-E-NNE |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 68 | 23.00 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 5/18/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 5/18/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 5/18/2011 | Kenyon Surveying | Surveying | | | | | 1 | 10 |
| 5/18/2011 | Veniero Trucking | Trucking Subcontractor | | | | | 2 | 20 |
| 5/18/2011 | Sor Testing | Compaction Testing | | | | | 1 | 9 |
| 5/18/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 5/18/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 112 |
| Totals | | | 9 | 82 | 1 | 8 | 20 | 167 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 5/18/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m³ TWA-8hr.
- No readings above the trigger level of 200µg/m³ TWA-15min.

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.22 |

Daily Wastewater Treatment Plant Operations:

| Date | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | Hours Treated |
|-----------|-------------|-----------|-------------------|-----------------|----------------|-----------------|---------------|
| 5/18/2011 | 9,778,221 | 9,824,856 | 46,635 | 46,635 | 46,635 | 9,824,760 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 25,703.57

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 5/18/2011 | 54 | Veniero | Non-Haz Soil | 1,201.24 | 37,862.56 | 22.25 | 41 | MCL |

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Total to date to Middlesex County – 31,781.41 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.642 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 5/18/2011 | Armored | Common borrow | 1,002.00 |

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued fine grading of backfill in the NJCU Residential AOC in preparation for asphalt placement.
- Continued excavation in the southern location of the NJCU Residential AOC.
- Loaded out 54 trucks containing approximately 1,201.46 tons of non-hazardous soil and 4 trucks containing approximately 103 tons of asphalt from the NJCU Residential AOC.
- Continued placing demarcation warning layer underneath the backfill material and compaction of the backfill in the southern and central locations of the NJCU Residential AOC.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|------------------------|--------------------|---------------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site to layout the NJCU Residential AOC Spring work.
- Veniero Trucking was on site for transport of backfill material and to transport asphalt to Tilcon's recycling plant.
- Sor testing was on site for compaction testing with a nuclear density gauge in the NJCU Residential AOC.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | D65 Dozer | 2/17/2011 | 4/28/2011 |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Michelle Daly – Mactec
- Telly Giouzelis - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

May 20, 2011

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|-------------------|---------------------|------------------|------------------|----------------|
| 5/20/2011 | Intermittent rain | 0.17 | 58-64 | 0-6 | WSW-S-SE-ESE |

Weather Event Totals since Project Mobilization:

| | <u>Days of Rain</u> | <u>Rain Totals in Inches</u> | <u>Days of Snow</u> | <u>Snow Totals in Inches</u> |
|---------------|---------------------|------------------------------|---------------------|------------------------------|
| Totals | 69 | 23.17 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 5/20/2011 | MACTEC | CM | 2 | 16 | 1 | 4 | | |
| 5/20/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 5/20/2011 | Kennon Surveying | Surveying | | | | | 1 | 10 |
| 5/20/2011 | Veniero Trucking | Trucking Subcontractor | | | | | 2 | 18 |
| 5/20/2011 | Roman Asphalt | Asphalt Paving | | | | | 8 | 64 |
| 5/20/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 138 |
| Totals | | | 7 | 66 | 1 | 4 | 25 | 230 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 5/20/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:*Toolbox Meeting Topic:*

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m3 TWA-8hr.
- No readings above the trigger level of 200µg/m3 TWA-15min.
- All readings above 60µg/m3 due to atmospheric conditions.

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.22 |

Daily Wastewater Treatment Plant Operations:

| Date | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | Hours Treated |
|-----------|-------------|-----------|-------------------|-----------------|----------------|-----------------|---------------|
| 5/20/2011 | 9,861,650 | 9,983,469 | 121,819 | 121,819 | 121,819 | 9,983,373 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 25,703.57

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 5/20/2011 | 32 | Veniero | Non-Haz Soil | 710.24 | 38,572.80 | 22.20 | 41 | |

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 32,492.07 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.642 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Loaded out 5 trucks containing approximately 115.71 tons of asphalt and 32 trucks containing approximately 710.24 tons of non-hazardous soil from the NJCU Residential AOC.
- Continued to uncover the Home Depot liner in preparation for transition.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site to layout the NJCU Residential AOC Spring work.
- Veniero Trucking was on site for transport of asphalt to Tilcon's recycling plant.
- Roman Asphalt was on site for asphalt paving in the NJCU Residential AOC.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |
| 1 | Ice 612 Hammer and Power Pack Unit | 4/28/2011 | |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES:**

- None

VISITORS ONSITE:

- Michelle Daly – Mactec
- Telly Giouzelis - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

May 21, 2011

Saturday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------|---------------------|------------------|------------------|----------------|
| 5/21/2011 | Partly Cloudy | 0.00 | 60-74 | 10 | SSE |

Weather Event Totals since Project Mobilization:

| | <u>Days of Rain</u> | <u>Rain Totals in Inches</u> | <u>Days of Snow</u> | <u>Snow Totals in Inches</u> |
|---------------|---------------------|------------------------------|---------------------|------------------------------|
| Totals | 69 | 23.17 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|---------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 5/21/2011 | MACTEC | CM | 1 | 8 | | | | |
| 5/21/2011 | NJ Asphalt Striping | Striping Subcontractor | | | | | 3 | 15 |
| 5/21/2011 | Lore Sweeping | Power Brooming | | | | | 1 | 4 |
| 5/21/2011 | SES | Excavation/Backfill | | | | | 4 | 32 |
| Totals | | | 1 | 8 | 0 | 0 | 8 | 51 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 5/21/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Perimeter Air Monitoring:

- No monitoring taking place due to non –intrusive activities.

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.22 |

Daily Wastewater Treatment Plant Operations:

| Date | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | Hours Treated |
|-----------|-------------|------------|-------------------|-----------------|----------------|-----------------|---------------|
| 5/21/2011 | 9,983,469 | 10,113,068 | 131,617 | 131,617 | 131,617 | 10,114,990 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 25,703.57

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 32,492.07 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.642 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Pumped water from the NJCU Residential AOC to the Waste Water Treatment Plant.
- Striped NJCU Residential AOC and returned lot 3A to NJCU for active parking.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|------------------------|--------------------|---------------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- New Jersey Asphalt Striping was on site to stripe the NJCU Residential AOC parking lot.
- Lore Sweeping was on site to power broom the NJCU Residential AOC.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachement | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |
| 1 | Ice 612 Hammer and Power Pack Unit | 4/28/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

May 23, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------------------|---------------------|------------------|------------------|----------------|
| 5/23/2011 | Intermittent rain, cloudy | 0.03 | 57-65 | 1-6 | ESE-SE |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 70 | 23.20 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|--------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 5/23/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 5/23/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 5/23/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 5/23/2011 | Veniero Trucking | Trucking Subcontractor | | | | | 2 | 16 |
| 5/23/2011 | Giannos Electric | Electrician | | | | | 2 | 2 |
| 5/23/2011 | Consolidated Fence | Fencing Subcontractor | | | | | 2 | 16 |
| 5/23/2011 | Kennon Surveying | Surveying | | | | | 1 | 8 |
| 5/23/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 113 |
| Totals | | | 8 | 74 | 1 | 8 | 23 | 171 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 5/23/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m³ TWA-8hr.
- No readings above the trigger level of 200µg/m³ TWA-15min.

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.22 |

Daily Wastewater Treatment Plant Operations:

| Date | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | Hours Treated |
|-----------|-------------|------------|-------------------|-----------------|----------------|-----------------|---------------|
| 5/22/2011 | 10,115,086 | 10,246,703 | 131,617 | 131,617 | 131,617 | 10,246,607 | 24 |
| 5/23/2011 | 10,246,703 | 10,313,858 | 67,155 | 67,155 | 67,155 | 10,313,762 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 25,703.57

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 5/23/2011 | 30 | Veniero | Non-Haz Soil | 704.81 | 39,277.83 | 23.49 | 40 | MCL |

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Total to date to Middlesex County – 33,196.88 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:*Excavation/Backfill Activities/Comments/Issues:*

- Continued breaking and sizing concrete foundations and pads in the NJCU Residential AOC.
- Continued grading cover soil in the Cap area.
- Initiated fusing 1" and 4" HDPE pipe for groundwater extraction system.
- Removed 6 loads of asphalt containing approximately 138.98 tons and 30 loads of non-hazardous soil containing approximately 704.81 tons from the NJCU Residential AOC.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site for layout in the NJCU Residential AOC parking lot.
- Veniero Trucking was on site to transport asphalt to Tilcon's recycling plant.
- Consolidated Fence was on site to remove existing fencing in the NJCU Residential AOC parking lot.
- Giannos Electric was on site for a walk through to discuss electrical components for the groundwater extraction system.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |
| 1 | Ice 612 Hammer and Power Pack Unit | 4/28/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- John Mojka - Honeywell

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

May 24, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|----------------------------|---------------------|------------------|------------------|----------------|
| 5/24/2011 | AM fog, then partly cloudy | 0.00 | 68-82 | 3-15 | SSW-WSW-W |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 70 | 23.20 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|--------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 5/24/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 5/24/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 5/24/2011 | Arecon | Disposal | | | | | 2 | 16 |
| 5/24/2011 | Veniero Trucking | Trucking Subcontractor | | | | | 4 | 32 |
| 5/24/2011 | Chenango | Liner Subcontractor | | | | | 3 | 24 |
| 5/24/2011 | Consolidated Fence | Fencing Subcontractor | | | | | 2 | 16 |
| 5/24/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 5/24/2011 | Kennon Surveying | Surveying | | | | | 1 | 8 |
| 5/24/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 113 |
| Totals | | | 8 | 74 | 1 | 8 | 27 | 217 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 5/24/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m³ TWA-8hr.
- No readings above the trigger level of 200µg/m³ TWA-15min.
- All readings above 60µg/m³ due to morning fog.

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|-------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 -TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 -TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 -TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 -TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 -TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 -TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 -TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 -TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |
| 5/5/2011 | 184 -TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.22 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|------------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 5/24/2011 | 10,313,858 | 10,329,707 | 15,849 | 15,849 | 15,849 | 10,329,611 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 25,703.57

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
| 5/24/2011 | 25 | Veniero | Non-Haz Soil | 566.01 | 39,843.84 | 22.64 | 52 | MCL |

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Total to date to Middlesex County – 33,762.89 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued breaking and sizing concrete foundations and pads in the NJCU Residential AOC.
- Continued grading cover soil in the Cap area.
- Backfilled the southern area of the NJCU Residential AOC with Common Borrow.
- Removed 4 loads of asphalt containing approximately 93.21 tons, 6 loads of concrete containing approximately 140.12 tons and 25 loads of non-hazardous soil containing approximately 566.01 tons from the NJCU Residential AOC.
- Continued uncovering the liner along the Home Depot corridor and installed approximately 3,025SF of 40 mil LLDPE liner for termination.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site for layout in the NJCU Residential AOC parking lot.
- Veniero Trucking was on site to transport asphalt and concrete to Tilcon's recycling plant.
- Consolidated Fence was on site to re-install existing fencing in the NJCU Residential AOC parking lot.
- Chenango was on site to assist with the installation of the 40 mil LLDPE liner along the Home Depot corridor.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |
| 1 | Ice 612 Hammer and Power Pack Unit | 4/28/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Chris Rowati – Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

May 26, 2011

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|----------|---------------------|------------------|------------------|----------------|
| 5/26/2011 | Hazy Sun | 0.00 | 65-78 | 1-8 | SE-ESE |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 70 | 23.20 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 5/26/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 5/26/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 5/26/2011 | Veniero Trucking | Trucking Subcontractor | | | | | 2 | 16 |
| 5/26/2011 | Chenango | Liner Subcontractor | | | | | 3 | 24 |
| 5/26/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 5/26/2011 | Kennon Surveying | Surveying | | | | | 1 | 8 |
| 5/26/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 131 |
| Totals | | | 8 | 74 | 1 | 8 | 21 | 187 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 5/26/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:*Toolbox Meeting Topic:*

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m³ TWA-8hr.
- No readings above the trigger level of 200µg/m³ TWA-15min.
- All readings above 60µg/m³ due to atmospheric conditions.

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.22 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|------------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 5/26/2011 | 10,335,655 | 10,335,655 | 0 | 0 | 0 | 10,335,559 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 25,703.57

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 33,934.29 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |
| 5/24/2011 | 4 | Veniero | Asphalt | 93.21 | 8,796.75 | 23.30 | Tilcon |

Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/24/2011 | 6 | Veniero | Concrete | 140.12 | 140.12 | 23.35 | Tilcon |

Asphalt/Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/25/2011 | 12 | Veniero | Asphalt/Concrete | 178.21 | 178.21 | 14.85 | Braen Stone |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 5/26/2011 | Armored | Common borrow | 2,404.30 |

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|----------------|-------------|-----|
| 5/26/2011 | 3 | Loads | Sand/Bentonite | E.M.E. Inc. | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued backfilling the southern area of the NJCU Residential AOC with Common Borrow.
- Continued grading in the building 7 Cap area.
- Continued uncovering the liner along the Home Depot corridor.
- Installed approximately 1,338SF of the GDL liner in the remaining area of building 7.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|------------------------|--------------------|---------------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site for layout in the NJCU Residential AOC parking lot.
- Veniero Trucking was on site to transport hazardous soil on site.
- Chenango was on site to assist with the installation of the GDL in the remaining area in building 7.
- Sor Testing was on site for testing in the NJCU Residential AOC with a nuclear density gauge.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |
| 1 | Ice 612 Hammer and Power Pack Unit | 4/28/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

May 27, 2011

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|----------|---------------------|------------------|------------------|----------------|
| 5/27/2011 | Hazy Sun | 0.00 | 67-82 | 1-7 | NNW-ESE-SE |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 70 | 23.20 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 5/27/2011 | MACTEC | CM | 3 | 17 | 1 | 8 | | |
| 5/27/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 5/27/2011 | Veniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 5/27/2011 | Chenango | Liner Subcontractor | | | | | 3 | 24 |
| 5/27/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 5/27/2011 | Kennon Surveying | Surveying | | | | | 1 | 8 |
| 5/27/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 124 |
| Totals | | | 8 | 67 | 1 | 8 | 20 | 172 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 5/27/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m³ TWA-8hr.
- No readings above the trigger level of 200µg/m³ TWA-15min.
- All readings above 60µg/m³ due to atmospheric conditions.

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.22 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|------------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 5/27/2011 | 10,335,655 | 10,335,655 | 0 | 0 | 0 | 10,335,559 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 25,703.57

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 33,934.29 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |
| 5/24/2011 | 4 | Veniero | Asphalt | 93.21 | 8,796.75 | 23.30 | Tilcon |

Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/24/2011 | 6 | Veniero | Concrete | 140.12 | 140.12 | 23.35 | Tilcon |

Asphalt/Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/25/2011 | 12 | Veniero | Asphalt/Concrete | 178.21 | 178.21 | 14.85 | Braen Stone |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 5/27/2011 | Armored | Common borrow | 675.66 |

Cover Soil:

| Date | Origination | Material | Net Tons |
|-----------|-------------|------------|----------|
| 5/27/2011 | Maddox | Cover Soil | 694.20 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued backfilling the southern area of the NJCU Residential AOC with Common Borrow.
- Continued grading in the building 7 Cap area.
- Continued uncovering the liner along the Home Depot corridor and placed sand/bentonite mix.
- Installed approximately 1,100SF of the LLDPE and 1,100SF of the 16oz. Geo-textile liners in the remaining area of building 7.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site for layout in the NJCU Residential AOC parking lot.
- Veniero Trucking was on site to transport hazardous soil on site.
- Chenango was on site to assist with the installation of the GDL, LLDPE and 16 Geo-textile liners in the remaining area in building 7.
- Sor Testing was on site for testing in the NJCU Residential AOC with a nuclear density gauge.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |
| 1 | Ice 612 Hammer and Power Pack Unit | 4/28/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

May 31, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 5/31/2011 | Clear | 0.00 | 75-89 | 2.5-4.6 | NE-SSE |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 70 | 23.20 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 5/31/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 5/31/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 5/31/2011 | Veniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 5/31/2011 | Chenango | Liner Subcontractor | | | | | 3 | 24 |
| 5/31/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 5/31/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 114 |
| Totals | | | 8 | 74 | 1 | 8 | 19 | 154 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 5/31/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m³ TWA-8hr.
- No readings above the trigger level of 200µg/m³ TWA-15min.
- All readings above 60µg/m³ due to atmospheric conditions.

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.22 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|----------|--------------------|------------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 6/1/2011 | 10,345,561 | 10,345,561 | 0 | 0 | 0 | 10,345,465 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 25,703.57

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 33,934.29 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |
| 5/24/2011 | 4 | Veniero | Asphalt | 93.21 | 8,796.75 | 23.30 | Tilcon |

Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/24/2011 | 6 | Veniero | Concrete | 140.12 | 140.12 | 23.35 | Tilcon |

Asphalt/Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/25/2011 | 12 | Veniero | Asphalt/Concrete | 178.21 | 178.21 | 14.85 | Braen Stone |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

Cover Soil:

| Date | Origination | Material | Net Tons |
|-----------|-------------|------------|----------|
| 5/31/2011 | Maddox | Cover Soil | 979.34 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued backfilling the southern area of the NJCU Residential AOC with Common Borrow.
- Continued grading in the building 7 Cap area and installing cover soil.
- Continued uncovering the liner along the Home Depot corridor and placed sand/bentonite mix.
- Installed approximately 1,100SF of the LLDPE and 1,100SF of the 16oz. Geo-textile liners in the remaining area of building 7.
- Installed a 4" under drain along the building 7/Home Depot corridor in areas where the liner termination has been completed.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site for layout in the NJCU Residential AOC parking lot.
- Veniero Trucking was on site to transport hazardous soil on site.
- Chenango was on site to assist with the installation of the LLDPE and 16 Geo-textile liners in the remaining area in building 7.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |
| 1 | Ice 612 Hammer and Power Pack Unit | 4/28/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

June 1, 2011

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|---------------------|------------------|------------------|----------------|
| 6/1/2011 | Clear | 0.00 | 69-92 | 1-17 | SE-SW |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 70 | 23.20 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|----------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 6/1/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 6/1/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 6/1/2011 | Veniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 6/1/2011 | Semcor | Concrete Sawcutting | | | | | 1 | 1 |
| 6/1/2011 | Kennon Surveying | Surveying | | | | | 1 | 8 |
| 6/1/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 6/1/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 106 |
| Totals | | | 8 | 74 | 1 | 8 | 18 | 131 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 6/1/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m3 TWA-8hr.
- No readings above the trigger level of 200µg/m3 TWA-15min.
- All readings above 60µg/m3 due to atmospheric conditions.

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:

Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|-------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 -TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 -TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 -TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 -TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 -TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 -TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 -TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 -TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |
| 5/5/2011 | 184 -TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.22 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|----------|--------------------|------------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 6/1/2011 | 10,345,561 | 10,345,561 | 0 | 0 | 0 | 10,345,465 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 25,703.57

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 33,934.29 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |
| 5/24/2011 | 4 | Veniero | Asphalt | 93.21 | 8,796.75 | 23.30 | Tilcon |

Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/24/2011 | 6 | Veniero | Concrete | 140.12 | 140.12 | 23.35 | Tilcon |

Asphalt/Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/25/2011 | 12 | Veniero | Asphalt/Concrete | 178.21 | 178.21 | 14.85 | Braen Stone |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|----------|-------------|---------------|----------|
| 6/1/2011 | Armored | Common borrow | 1,371.47 |

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued grading in the building 7 Cap area and installing cover soil.
- Initiated backfilling building 6 with Common Borrow.
- Continued the Home Depot liner termination along the building 5 area which consisted of excavation, draping of liner over the sheet piles, installing approximately 4,200SF of GDL and placing clean stone on the bottom shelf.
- Installed demarcation fabric south of the access road and placed imported fill on top in order to stabilize the building 7 Cap area.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site for layout in the NJCU Residential AOC parking lot.
- Veniero Trucking was on site to transport hazardous soil on site.
- Semcor was on site for saw cutting in the Home Depot parking lot.
- Sor Testing was on site for testing with a nuclear density gauge.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |
| 1 | Ice 612 Hammer and Power Pack Unit | 4/28/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

June 2, 2011

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|--------------|---------------------|------------------|------------------|----------------|
| 6/2/2011 | Clear, windy | 0.00 | 73-77 | 5-22 | NW |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 70 | 23.20 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|----------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 6/2/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 6/2/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 6/2/2011 | Veniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 6/2/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 6/2/2011 | Sor Testing | Compaction Testing | | | | | 1 | 8 |
| 6/2/2011 | Chenango | Liner Subcontractor | | | | | 3 | 30 |
| 6/2/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 114 |
| Totals | | | 8 | 74 | 1 | 8 | 20 | 168 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 6/2/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m³ TWA-8hr.
- No readings above the trigger level of 200µg/m³ TWA-15min.
- Readings above 130µg/m³ TWA-15min at MD-2 due to clean fill delivery and road dust.
- Readings above 70µg/m³ TWA-15min at MD-3 due to removal of barrier and fencing adjacent to the monitor.

CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.22 |
| 6/2/2011 | 184 - TW-01-060211 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|----------|--------------------|------------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 6/2/2011 | 10,345,561 | 10,348,718 | 3,157 | 3,157 | 3,157 | 10,348,622 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 25,703.57

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 33,934.29 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |
| 5/24/2011 | 4 | Veniero | Asphalt | 93.21 | 8,796.75 | 23.30 | Tilcon |
| 6/2/2011 | 2 | Veniero | Asphalt | 47.8 | 8,844.55 | 23.90 | Tilcon |

Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/24/2011 | 6 | Veniero | Concrete | 140.12 | 140.12 | 23.35 | Tilcon |

Asphalt/Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/25/2011 | 12 | Veniero | Asphalt/Concrete | 178.21 | 178.21 | 14.85 | Braen Stone |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|----------|-------------|---------------|----------|
| 6/2/2011 | Armored | Common borrow | 2,021.66 |

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued grading in the building 7 Cap area and installing cover soil.
- Continued backfilling building 6 with Common Borrow.
- Completed the Home Depot liner installation along the building 7 area. Approximately 1,100SF each of the GDL, 40mil LLDPE and 16oz. non-woven geo-textile liners were placed today.
- Prepared the Home Depot curb and sidewalk for repair to be completed on 6/3/2011.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|------------------------|--------------------|---------------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site for layout in the NJCU Residential AOC parking lot.
- Veniero Trucking was on site to haul asphalt to Tilcon's disposal facility.
- Chenango was on site to complete the installation of the 16oz. non-woven geo-textile, 40mil LLDEP and GDL liners.
- Sor Testing was on site for testing with a nuclear density gauge.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 Long Stick | 12/13/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |
| 1 | Ice 612 Hammer and Power Pack Unit | 4/28/2011 | 6/2/2011 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

June 3, 2011

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|--------------|---------------------|------------------|------------------|----------------|
| 6/3/2011 | Clear, windy | 0.00 | 58-77 | 3-18 | NW |

Weather Event Totals since Project Mobilization:

| | <u>Days of Rain</u> | <u>Rain Totals in Inches</u> | <u>Days of Snow</u> | <u>Snow Totals in Inches</u> |
|---------------|---------------------|------------------------------|---------------------|------------------------------|
| Totals | 70 | 23.20 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 6/3/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 6/3/2011 | Emilcott | Air Monitoring | 1 | 10 | | | | |
| 6/3/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 6/3/2011 | Sor Testing | Compaction Testing | | | | | 1 | 8 |
| 6/3/2011 | Mason Contractor | Curbing Contractor | | | | | 3 | 18 |
| 6/3/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 104 |
| Totals | | | 9 | 82 | 1 | 8 | 19 | 138 |

TRAFFIC CONTROL:

| Date | | Work being performed | Personnel | Total Hrs |
|----------|--------------------|----------------------|-----------|-----------|
| 6/3/2011 | Jersey City Police | Traffic Control | 1 | 7 |

HEALTH & SAFETY:
Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- No readings above the action level of 339 µg/m3 TWA-8hr.
- No readings above the trigger level of 200µg/m3 TWA-15min.
- Air monitoring terminated at COB on 6/3/2011.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.22 |
| 6/2/2011 | 184 - TW-01-060211 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|----------|--------------------|------------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 6/3/2011 | 10,348,718 | 10,363,077 | 14,359 | 14,359 | 14,359 | 10,362,981 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.
- Plant to be demobilized after monitoring well development.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 25,703.57

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 33,934.29 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |
| 5/24/2011 | 4 | Veniero | Asphalt | 93.21 | 8,796.75 | 23.30 | Tilcon |
| 6/2/2011 | 2 | Veniero | Asphalt | 47.8 | 8,844.55 | 23.90 | Tilcon |

Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/24/2011 | 6 | Veniero | Concrete | 140.12 | 140.12 | 23.35 | Tilcon |

Asphalt/Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/25/2011 | 12 | Veniero | Asphalt/Concrete | 178.21 | 178.21 | 14.85 | Braen Stone |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|----------|-------------|----------------|----------|
| 6/3/2011 | Armored | Common borrow | 337.98 |
| 6/3/2011 | Tilcon | #10 Screenings | 326.29 |

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Installed demarcation fabric in the building 7 Cap area.
- Continued backfilling building 6 with Common Borrow.
- Continued grading the building 7 Cap area.
- Installed 4" perforated piping in the building 7 area.
- Completed the Home Depot curb and sidewalk repair

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site.
- Sor Testing was on site for compaction testing with a nuclear density gauge in buildings 6 & 7.
- Mason contractor was onsite to repair the Belgian Block and to pour concrete for sidewalk repair in the Home Depot parking lot.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |
| 1 | Ice 612 Hammer and Power Pack Unit | 4/28/2011 | 6/2/2011 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

June 6, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|---------------------|------------------|------------------|----------------|
| 6/6/2011 | Clear | 0.00 | 61-85 | 6-17 | SW-N |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 70 | 23.20 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|----------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 6/6/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 6/6/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 6/6/2011 | Sor Testsing | Compaction Testing | | | | | 1 | 8 |
| 6/6/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 104 |
| Totals | | | 8 | 72 | 1 | 8 | 16 | 120 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 6/6/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- Air monitoring terminated at COB on 6/3/2011.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.22 |
| 6/2/2011 | 184 - TW-01-060211 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|----------|---------------------------|------------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 6/4/2011 | 10,363,077 | 10,363,077 | 0 | 0 | 0 | 10,362,981 | 24 |
| 6/5/2011 | 10,363,077 | 10,363,077 | 0 | 0 | 0 | 10,362,981 | 24 |
| 6/6/2011 | 10,363,077 | 10,363,077 | 0 | 0 | 0 | 10,362,981 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.
- Plant to be demobilized after monitoring well development.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 25,703.57

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 33,934.29 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |
| 5/24/2011 | 4 | Veniero | Asphalt | 93.21 | 8,796.75 | 23.30 | Tilcon |
| 6/2/2011 | 2 | Veniero | Asphalt | 47.8 | 8,844.55 | 23.90 | Tilcon |

Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/24/2011 | 6 | Veniero | Concrete | 140.12 | 140.12 | 23.35 | Tilcon |

Asphalt/Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/25/2011 | 12 | Veniero | Asphalt/Concrete | 178.21 | 178.21 | 14.85 | Braen Stone |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|----------|-------------|---------------|----------|
| 6/6/2011 | Armored | Common borrow | 1,990.94 |

Cover Soil:

| Date | Origination | Material | Net Tons |
|----------|-------------|------------|----------|
| 6/6/2011 | Maddox | Cover Soil | 73.60 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued installing demarcation fabric in the building 7 Cap area.
- Completed backfilling building 6 to sub-grade with Common Borrow.
- Continued grading the slopes along the building 7 Cap area.
- Continued backfilling on top of the Cap area north of the access road in the parking area.
- Placed approximately 2,100SF of 16oz. geo-textile over the GDL at the Home Depot termination and placed common borrow over the top to anchor.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|------------------------|--------------------|---------------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site.
- Sor Testing was on site for compaction testing with a nuclear density gauge.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |
| 1 | Ice 612 Hammer and Power Pack Unit | 4/28/2011 | 6/2/2011 |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES:**

- None

VISITORS ONSITE:

- Joe Clifford – Mactec
- Kathy Monteiro – Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

June 7, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|----------|---------------------|------------------|------------------|----------------|
| 6/7/2011 | Hazy Sun | 0.00 | 65-92 | 11-22 | W |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 70 | 23.20 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|----------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 6/7/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 6/7/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 6/7/2011 | Sor Testing | Compaction Testing | | | | | 1 | 2 |
| 6/7/2011 | Veniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 6/7/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 104 |
| Totals | | | 8 | 72 | 1 | 8 | 17 | 122 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 6/7/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- Air monitoring terminated at COB on 6/3/2011.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.22 |
| 6/2/2011 | 184 - TW-01-060211 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|----------|--------------------|------------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 6/7/2011 | 10,363,077 | 10,363,077 | 0 | 0 | 0 | 10,362,981 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.
- Plant to be demobilized after monitoring well development.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 25,703.57

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 33,934.29 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |
| 5/24/2011 | 4 | Veniero | Asphalt | 93.21 | 8,796.75 | 23.30 | Tilcon |
| 6/2/2011 | 2 | Veniero | Asphalt | 47.8 | 8,844.55 | 23.90 | Tilcon |

Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/24/2011 | 6 | Veniero | Concrete | 140.12 | 140.12 | 23.35 | Tilcon |

Asphalt/Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/25/2011 | 12 | Veniero | Asphalt/Concrete | 178.21 | 178.21 | 14.85 | Braen Stone |
| 6/7/2011 | 2 | Veniero | Asphalt/Concrete | 30 | 208.21 | 15 | Braen Stone |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|----------|-------------|---------------|----------|
| 6/7/2011 | Armored | Common borrow | 2,121.36 |

Cover Soil:

| Date | Origination | Material | Net Tons |
|----------|-------------|------------|----------|
| 6/7/2011 | Maddox | Cover Soil | 74.49 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued installing demarcation fabric in the building 7 Cap area.
- Completed backfilling building 5 to sub-grade with Common Borrow.
- Continued placing and grading cover soil in the Cap area along the Home Depot property line.
- Removed decon pad and prepared for last round of hazardous soil load out.
- Placed sub-base over demarcation fabric on the building 7 Cap in the parking area.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|------------------------|--------------------|---------------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site.
- Sor Testing was on site.
- Veniero Trucking was on site to haul asphalt/concrete mix to Braen Stone.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |
| 1 | Ice 612 Hammer and Power Pack Unit | 4/28/2011 | 6/2/2011 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- John Mojka – Honeywell

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

June 10, 2011

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 6/10/2011 | Sunny | 0.00 | 70-88 | 4-11 | N-S |

Weather Event Totals since Project Mobilization:

| | <u>Days of Rain</u> | <u>Rain Totals in Inches</u> | <u>Days of Snow</u> | <u>Snow Totals in Inches</u> |
|---------------|---------------------|------------------------------|---------------------|------------------------------|
| Totals | 70 | 23.20 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 6/10/2011 | MACTEC | CM | 4 | 32 | | | | |
| 6/10/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 6/10/2011 | Giannos Electric | Electrician | | | | | 2 | 16 |
| 6/10/2011 | B&B | Well Drillers | | | | | 4 | 32 |
| 6/10/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 112 |
| Totals | | | 8 | 72 | 0 | 0 | 21 | 168 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 6/10/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- Air monitoring terminated at COB on 6/3/2011.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.22 |
| 6/2/2011 | 184 - TW-01-060211 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|------------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 6/10/2011 | 10,363,077 | 10,363,077 | 0 | 0 | 0 | 10,362,981 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.
- Plant to be demobilized after monitoring well development.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 26,176.66

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 34,376.55 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |
| 5/24/2011 | 4 | Veniero | Asphalt | 93.21 | 8,796.75 | 23.30 | Tilcon |
| 6/2/2011 | 2 | Veniero | Asphalt | 47.8 | 8,844.55 | 23.90 | Tilcon |

Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/24/2011 | 6 | Veniero | Concrete | 140.12 | 140.12 | 23.35 | Tilcon |

Asphalt/Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/25/2011 | 12 | Veniero | Asphalt/Concrete | 178.21 | 178.21 | 14.85 | Braen Stone |
| 6/7/2011 | 2 | Veniero | Asphalt/Concrete | 30 | 208.21 | 15 | Braen Stone |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued installing demarcation fabric and grading sub-base along the slopes in the building 7 Cap area.
- Completed removing ramps to scale in preparation for off-site removal.
- Continued disassembling the Modutank from the WWTP.
- Removed and stockpiled asphalt E&SC berm for offsite disposal.
- Initiated installation of the GWES piping and conduit.
- Installed a 4" piping from Sump A to property line along Route 440.
- Installed 2 additional layers of GDL parallel to the west side of the building 7 slope as per addendum 15.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|------------------------|--------------------|---------------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site.
- Giannos Electric was on site for installation of 400LF of conduit piping for junction boxes.
- B&B was on site to develop GWES sumps and to install 3 monitoring wells.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 2 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | 6/10/2011 |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Volvo Ho-Ram | 6/9/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Kinjal Shah - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

June 9, 2011

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------------------|---------------------|------------------|------------------|----------------|
| 6/9/2011 | Hazy, hot and humid | 0.00 | 72-102 | 5-12 | N |

Weather Event Totals since Project Mobilization:

| | <u>Days of Rain</u> | <u>Rain Totals in Inches</u> | <u>Days of Snow</u> | <u>Snow Totals in Inches</u> |
|---------------|---------------------|------------------------------|---------------------|------------------------------|
| Totals | 70 | 23.20 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|---------------|------------------|---------------------|-------------|-----------|-----------|-----------|-----------|------------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 6/9/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 6/9/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 6/9/2011 | B&B | Well Drillers | | | | | 2 | 16 |
| 6/9/2011 | Sor Testing | Compaction Testing | | | | | 1 | 8 |
| 6/9/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 104 |
| Totals | | | 8 | 72 | 1 | 8 | 18 | 136 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 6/9/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- Air monitoring terminated at COB on 6/3/2011.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.31 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.61 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.23 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.29 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.94 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.41 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.55 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.54 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.47 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.41 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.34 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.41 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.04 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.22 |
| 6/2/2011 | 184 - TW-01-060211 | Total Chromium | Pending | | |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|----------|--------------------|------------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 6/9/2011 | 10,363,077 | 10,363,077 | 0 | 0 | 0 | 10,362,981 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.
- Plant to be demobilized after monitoring well development.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 26,176.66

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 34,376.55 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |
| 5/24/2011 | 4 | Veniero | Asphalt | 93.21 | 8,796.75 | 23.30 | Tilcon |
| 6/2/2011 | 2 | Veniero | Asphalt | 47.8 | 8,844.55 | 23.90 | Tilcon |

Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/24/2011 | 6 | Veniero | Concrete | 140.12 | 140.12 | 23.35 | Tilcon |

Asphalt/Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/25/2011 | 12 | Veniero | Asphalt/Concrete | 178.21 | 178.21 | 14.85 | Braen Stone |
| 6/7/2011 | 2 | Veniero | Asphalt/Concrete | 30 | 208.21 | 15 | Braen Stone |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|----------|-------------|---------------|----------|
| 6/9/2011 | Armored | Common borrow | 860.69 |
| 6/9/2011 | Weldon | DGA | 434.80 |

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued installing demarcation fabric along the slopes in the building 7 Cap area and placed sub-base over fabric.
- Continued backfilling building 5 to sub-grade with Common Borrow.
- Continued disassembling the Modutank from the WWTP.
- Removed and stockpiled asphalt E&SC berm for offsite disposal.
- Initiated trenching for GWES piping and conduit.
- Sized remaining concrete from the NJCU AOC Spring work with a Volvo Ho-Ram.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site.
- Sor Testing was on site for compaction testing with a nuclear density gauge.
- B&B was on site to develop GWES sumps and to install 3 monitoring wells.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Volvo Ho-Ram | 6/9/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 | 1/11/2011 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES:**

- None

VISITORS ONSITE:

- Telly Giouzelis – Mactec
- Marinna Seemuller – Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

June 13, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|--------------|---------------------|------------------|------------------|----------------|
| 6/13/2011 | Partly Sunny | 0.00 | 63-76 | 3-18 | NW-N |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 70 | 23.20 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 6/13/2011 | MACTEC | CM | 4 | 32 | 1 | 40 | | |
| 6/13/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 6/13/2011 | Giannos Electric | Electrician | | | | | 2 | 16 |
| 6/13/2011 | Veneiro Trucking | Trucking Subcontractor | | | | | 3 | 24 |
| 6/13/2011 | Sor Testing | Compaction Testing | | | | | 1 | 8 |
| 6/13/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 104 |
| Totals | | | 8 | 72 | 1 | 40 | 21 | 160 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 6/13/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- Air monitoring terminated at COB on 6/3/2011.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.306 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.610 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.230 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.293 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.942 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.409 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.547 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.536 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.467 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.414 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.338 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.411 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.044 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.216 |
| 6/2/2011 | 184 - TW-01-060211 | Total Chromium | 0.403 | 0.014359 | 0.048 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|------------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 6/11/2011 | 10,363,077 | 10,363,077 | 0 | 0 | 0 | 10,362,981 | 24 |
| 6/12/2011 | 10,363,077 | 10,363,077 | 0 | 0 | 0 | 10,362,981 | 24 |
| 6/13/2011 | 10,363,077 | 10,363,077 | 0 | 0 | 0 | 10,362,981 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Plant remains operational for surface water control and ground water sumps.
- Plant to be demobilized after monitoring well development.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 26,176.66

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 34,376.55 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |
| 5/24/2011 | 4 | Veniero | Asphalt | 93.21 | 8,796.75 | 23.30 | Tilcon |
| 6/2/2011 | 2 | Veniero | Asphalt | 47.8 | 8,844.55 | 23.90 | Tilcon |
| 6/13/2011 | 5 | Veniero | Asphalt | 119.44 | 8,963.99 | 23.89 | Tilcon |

Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/24/2011 | 6 | Veniero | Concrete | 140.12 | 140.12 | 23.35 | Tilcon |

Asphalt/Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/25/2011 | 12 | Veniero | Asphalt/Concrete | 178.21 | 178.21 | 14.85 | Braen Stone |
| 6/7/2011 | 2 | Veniero | Asphalt/Concrete | 30 | 208.21 | 15.00 | Braen Stone |
| 6/13/2011 | 2 | Veniero | Asphalt/Concrete | 45.56 | 253.77 | 22.78 | Braen Stone |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|-----------|
| 6/13/2011 | Armored | Common borrow | 20,902.92 |

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:*Excavation/Backfill Activities/Comments/Issues:*

- Continued installing demarcation fabric along the slopes in the building 7 Cap area.
- Continued to remove and stockpile asphalt E&SC berm for offsite disposal.
- Continued installation of the GWES piping and conduit.
- Continued backfilling in building 5 and building 7 Cap areas.
- Continued grading along the South/Home Depot side of the building 7 Cap area.
- Removed 5 loads of asphalt for approximately 119.44 tons and 2 loads of asphalt/concrete mix for approximately 45.56 tons.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site.
- Giannos Electric was on site for installation of remaining conduit piping and junction boxes.
- Veneiro Trucking was on site to haul asphalt to Tilcon's recycling plant and asphalt/concrete mix to Brean Stone's recycling plant.
- Sor Testing was on site for compaction testing with a nuclear density gauge.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 2 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | 6/10/2011 |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Volvo Ho-Ram | 6/9/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 | 1/11/2011 | 6/13/2011 |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

June 14, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|--------------|---------------------|------------------|------------------|----------------|
| 6/14/2011 | Cloudy, rain | 0.28 | 59-70 | 3-15 | N |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 71 | 23.48 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 6/14/2011 | MACTEC | CM | 4 | 32 | 1 | 40 | | |
| 6/14/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 6/14/2011 | Veneiro Trucking | Trucking Subcontractor | | | | | 3 | 24 |
| 6/14/2011 | Sor Testing | Compaction Testing | | | | | 1 | 8 |
| 6/14/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 119 |
| Totals | | | 8 | 72 | 1 | 40 | 19 | 159 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 6/14/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- Air monitoring terminated at COB on 6/3/2011.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.306 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.610 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.230 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.293 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.942 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.409 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.547 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.536 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.467 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.414 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.338 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.411 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.044 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.216 |
| 6/2/2011 | 184 - TW-01-060211 | Total Chromium | 0.403 | 0.014359 | 0.048 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|------------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 6/14/2011 | 10,363,077 | 10,373,346 | 10,263 | 10,263 | 10,263 | 10,373,244 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Final discharge on-going.
- Modu-tank disassembled.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 26,176.66

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 34,376.55 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |
| 5/24/2011 | 4 | Veniero | Asphalt | 93.21 | 8,796.75 | 23.30 | Tilcon |
| 6/2/2011 | 2 | Veniero | Asphalt | 47.8 | 8,844.55 | 23.90 | Tilcon |
| 6/13/2011 | 5 | Veniero | Asphalt | 119.44 | 8,963.99 | 23.89 | Tilcon |

Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/24/2011 | 6 | Veniero | Concrete | 140.12 | 140.12 | 23.35 | Tilcon |

Asphalt/Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/25/2011 | 12 | Veniero | Asphalt/Concrete | 178.21 | 178.21 | 14.85 | Braen Stone |
| 6/7/2011 | 2 | Veniero | Asphalt/Concrete | 30 | 208.21 | 15.00 | Braen Stone |
| 6/13/2011 | 2 | Veniero | Asphalt/Concrete | 45.56 | 253.77 | 22.78 | Braen Stone |
| 6/14/2011 | 6 | Veniero | Asphalt/Concrete | 92.44 | 346.21 | 15.41 | Braen Stone |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 6/14/2011 | Armored | Common borrow | 1,602.82 |

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|-------------|-------------|-----|
| 6/14/2011 | 12 | Rolls | Silt Fence | IWT Cargo | |
| 6/14/2011 | 1 | Roll | Bentomat | Cetco | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued installing demarcation fabric, backfilling and grading in the building 7 Cap area.
- Continued removing asphalt/concrete from the NJCU Residential AOC. 6 loads taken off site for approximately 92.44 tons.
- Installed final double layer of GDL in the Cap area for approximately 1,400SF.
- Initiated disposal of the Modutank liner from the WWTP.
- Repaired catch basin in the northwest corner of building 6.
- Initiated decontamination of sheet pile on site.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site.
- Veneiro Trucking was on site to haul asphalt/concrete mix to Brean Stone's recycling plant.
- Sor Testing was on site for compaction testing with a nuclear density gauge.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 2 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | 6/10/2011 |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Volvo Ho-Ram | 6/9/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 | 1/11/2011 | 6/13/2011 |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

June 15, 2011

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 6/15/2011 | Sunny | 0.00 | 55-70 | 8-18 | N-NW |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 71 | 23.48 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 6/15/2011 | MACTEC | CM | 4 | 32 | 1 | 40 | | |
| 6/15/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 6/15/2011 | NJ Striping | Striping Subcontractor | | | | | 4 | 10 |
| 6/15/2011 | Atlantic Scale | Scale Subcontractor | | | | | 2 | 4 |
| 6/15/2011 | Roman Asphalt | Asphalt Paving | | | | | 12 | 96 |
| 6/15/2011 | Sor Testing | Compaction Testing | | | | | 1 | 8 |
| 6/15/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 128 |
| Totals | | | 8 | 72 | 1 | 40 | 34 | 254 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 6/15/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- Air monitoring terminated at COB on 6/3/2011.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.306 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.610 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.230 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.293 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.942 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.409 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.547 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.536 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.467 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.414 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.338 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.411 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.044 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.216 |
| 6/2/2011 | 184 - TW-01-060211 | Total Chromium | 0.403 | 0.014359 | 0.048 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|------------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 6/15/2011 | 10,373,346 | 10,377,984 | 4,644 | 4,644 | 4,644 | 10,377,888 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Final discharge on-going.
- Modu-tank disassembled.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 26,176.66

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 34,376.55 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |
| 5/24/2011 | 4 | Veniero | Asphalt | 93.21 | 8,796.75 | 23.30 | Tilcon |
| 6/2/2011 | 2 | Veniero | Asphalt | 47.8 | 8,844.55 | 23.90 | Tilcon |
| 6/13/2011 | 5 | Veniero | Asphalt | 119.44 | 8,963.99 | 23.89 | Tilcon |

Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/24/2011 | 6 | Veniero | Concrete | 140.12 | 140.12 | 23.35 | Tilcon |

Asphalt/Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/25/2011 | 12 | Veniero | Asphalt/Concrete | 178.21 | 178.21 | 14.85 | Braen Stone |
| 6/7/2011 | 2 | Veniero | Asphalt/Concrete | 30 | 208.21 | 15.00 | Braen Stone |
| 6/13/2011 | 2 | Veniero | Asphalt/Concrete | 45.56 | 253.77 | 22.78 | Braen Stone |
| 6/14/2011 | 6 | Veniero | Asphalt/Concrete | 92.44 | 346.21 | 15.41 | Braen Stone |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|-----------|-------------|---------------|----------|
| 6/15/2011 | Armored | Common borrow | 371.46 |

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
| | | | |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|-------------|-------------|-----|
| 6/15/2011 | 907.27 | Tons | 3/4" Stone | Tilcon | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Completed backfilling and continued grading in the building 7 Cap area.
- Continued disposal of the Modutank liner from the WWTP.
- Graded along Route 440 in preparation for paving.
- Placed and graded ¾" stone in the building 5 area.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|------------------------|--------------------|---------------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site.
- Roman Asphalt paved the NJCU Residential AOC (south area) and along Rt. 440.
- Sor Testing was on site.
- New Jersey Striping was on site to stripe the NJCU Residential AOC.
- Atlantic Scale was on site to disconnect the scale.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 1 out of 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | 6/15/2011 |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 2 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | 6/10/2011 |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Volvo Ho-Ram | 6/9/2011 | 6/15/2011 |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 | 1/11/2011 | 6/13/2011 |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES:**

- None

VISITORS ONSITE:

- Joe Clifford – Mactec
- Geoff Shallard – Mactec
- Christopher Pickles – Mactec
- John Mojka – Honeywell

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

June 16, 2011

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------|---------------------|------------------|------------------|----------------|
| 6/16/2011 | Partly Cloudy | 0.00 | 65-86 | 8-20 | W-SW |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 71 | 23.48 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 6/16/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 6/16/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 6/16/2011 | Kanahwa Scale | Scale Subcontractor | | | | | 1 | 1 |
| 6/16/2011 | Veniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 6/16/2011 | Giannos | Electrician | | | | | 3 | 15 |
| 6/16/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 128 |
| Totals | | | 8 | 72 | 1 | 8 | 20 | 160 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 6/16/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- Air monitoring terminated at COB on 6/3/2011.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.306 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.610 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.230 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.293 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.942 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.409 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.547 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.536 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.467 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.414 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.338 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.411 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.044 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.216 |
| 6/2/2011 | 184 - TW-01-060211 | Total Chromium | 0.403 | 0.014359 | 0.048 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|-----------|--------------------|------------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 6/16/2011 | 10,377,984 | 10,377,984 | 0 | 0 | 0 | 10,377,888 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Modu-tank disassembled.
- PVSC recorded final flow meter reading on 6/16/2011.
- Discharge complete – plant is off-line.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 26,176.66

Non-Hazardous Material Shipped Summary:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 34,376.55 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |
| 5/24/2011 | 4 | Veniero | Asphalt | 93.21 | 8,796.75 | 23.30 | Tilcon |
| 6/2/2011 | 2 | Veniero | Asphalt | 47.8 | 8,844.55 | 23.90 | Tilcon |
| 6/13/2011 | 5 | Veniero | Asphalt | 119.44 | 8,963.99 | 23.89 | Tilcon |
| 6/16/2011 | 2 | Veniero | Asphalt | 47.8 | 9,011.79 | 23.90 | Tilcon |

Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/24/2011 | 6 | Veniero | Concrete | 140.12 | 140.12 | 23.35 | Tilcon |

Asphalt/Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/25/2011 | 12 | Veniero | Asphalt/Concrete | 178.21 | 178.21 | 14.85 | Braen Stone |
| 6/7/2011 | 2 | Veniero | Asphalt/Concrete | 30 | 208.21 | 15.00 | Braen Stone |
| 6/13/2011 | 2 | Veniero | Asphalt/Concrete | 45.56 | 253.77 | 22.78 | Braen Stone |
| 6/14/2011 | 6 | Veniero | Asphalt/Concrete | 92.44 | 346.21 | 15.41 | Braen Stone |

Roll-Off Boxes:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

Cover Soil:

| Date | Origination | Material | Net Tons |
|-----------|-------------|----------|----------|
| 6/16/2011 | EME | Top soil | 267.00 |

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|-------------|-------------|-----|
| 6/16/2011 | 1,306 | Tons | 3/4" Stone | Tilcon | |

EXCAVATION/BACKFILL CONTRACTOR:

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Excavation/Backfill Activities/Comments/Issues:

- Continued final grading in the building 7 Cap area.
- Continued disposal of the Modutank liner from the WWTP.
- Removed DGA under Modutank liner and placed it in the building 7 Cap area.
- Initiated placing approximately 267 tons of top soil in vegetated areas of the Cap side slopes.
- Placed and graded ¾" stone in the buildings 5& 6 areas.
- Relocated temporary fencing in the NJCU Residential AOC.
- Organized tools and equipment for demobilization.
- Removed 2 loads of asphalt for approximately 47.8 tons.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site.
- PVSC was on site to record final flow meter reading.
- Veniero Trucking was on site to haul asphalt to Tilcon's recycling plant.
- Giannos Electric was on site to install wiring for GWES and to disconnect electrical lines along inside perimeter fencing.
- Kanawha Scale was on site to pick up the truck scale.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 1 out of 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | 6/15/2011 |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 2 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | 6/10/2011 |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Volvo Ho-Ram | 6/9/2011 | 6/15/2011 |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 | 1/11/2011 | 6/13/2011 |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

SA-5 NJCU Site Remediation**REMEDIAL ACTION: DAILY CONSTRUCTION REPORT****GENERAL COMMENTS/ISSUES:**

- None

VISITORS ONSITE:

- Geoff Shallard – Mactec
- Christopher Pickles – Mactec
- Randolph Targos – PVSC
- Joe Besca – deMaximus
- Joe Danko – deMaximus
- Ricky Viecco – Arecon
- Chris Mudros – Arecon
- Ken Tardell – Emilcott
- Dave Tomsey – Emilcott
- Brent O'Dell – Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

June 17, 2011

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|--|---------------------|------------------|------------------|----------------|
| 6/17/2011 | Partly Cloudy AM, Rain/ Lighting PM | 1.37 | 66-80 | 2-36 | NW |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 72 | 24.85 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|--------------------|-----------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 6/17/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 6/17/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 6/17/2011 | Consolidated Fence | Fencing Subcontractor | | | | | 2 | 12 |
| 6/17/2011 | SES | Excavation/Backfill | 4 | 40 | | | 14 | 112 |
| Totals | | | 8 | 72 | 1 | 8 | 17 | 132 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 6/17/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None
- Work interrupted due to lightning and heavy rain.

Perimeter Air Monitoring:

- Air monitoring terminated at COB on 6/3/2011.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|-------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 -TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.306 |
| 11/10/2010 | 184 -TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.610 |
| 11/17/2010 | 184 -TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.230 |
| 11/24/2010 | 184 -TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.293 |
| 12/2/2010 | 184 -TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.942 |
| 12/8/2010 | 184 -TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.409 |
| 12/15/2010 | 184 -TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.547 |
| 12/22/2010 | 184 -TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.536 |
| 12/29/2010 | 184 -TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.467 |
| 1/5/2011 | 184 -TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.414 |
| 2/3/2011 | 184 -TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.338 |
| 3/2/2011 | 184 -TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.411 |
| 4/4/2011 | 184 -TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.044 |
| 5/5/2011 | 184 -TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.216 |
| 6/2/2011 | 184 -TW-01-060211 | Total Chromium | 0.403 | 0.014359 | 0.048 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|-----------|---------------------------|------------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |
| 6/16/2011 | 10,377,984 | 10,377,984 | 0 | 0 | 0 | 10,377,888 | 24 |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Modu-tank disassembled.
- PVSC recorded final flow meter reading on 6/16/2011.
- Discharge complete – plant is off-line.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 26,176.66

Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 34,376.55 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |
| 5/24/2011 | 4 | Veniero | Asphalt | 93.21 | 8,796.75 | 23.30 | Tilcon |
| 6/2/2011 | 2 | Veniero | Asphalt | 47.8 | 8,844.55 | 23.90 | Tilcon |
| 6/13/2011 | 5 | Veniero | Asphalt | 119.44 | 8,963.99 | 23.89 | Tilcon |
| 6/16/2011 | 2 | Veniero | Asphalt | 47.8 | 9,011.79 | 23.90 | Tilcon |

Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/24/2011 | 6 | Veniero | Concrete | 140.12 | 140.12 | 23.35 | Tilcon |

Asphalt/Concrete Shipped Summary:

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/25/2011 | 12 | Veniero | Asphalt/Concrete | 178.21 | 178.21 | 14.85 | Braen Stone |
| 6/7/2011 | 2 | Veniero | Asphalt/Concrete | 30 | 208.21 | 15.00 | Braen Stone |
| 6/13/2011 | 2 | Veniero | Asphalt/Concrete | 45.56 | 253.77 | 22.78 | Braen Stone |
| 6/14/2011 | 6 | Veniero | Asphalt/Concrete | 92.44 | 346.21 | 15.41 | Braen Stone |

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|---------------------|----------|--------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-------------------|-------------------|------------------|----------|--------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

Cover Soil:

| Date | Origination | Material | Net Tons |
|-----------|-------------|----------|----------|
| 6/17/2011 | EME | Top soil | 210.00 |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|-------------|-------------|-----|
| 6/17/2011 | 972 | Tons | 3/4" Stone | Tilcon | |

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Continued placing and grading approximately 210 tons of top soil in vegetated areas of the Cap side slopes.
- Placed and graded ¾" stone surface coating in the buildings 5& 6 areas.
- Continued removing DGA under Modutank liner and placed in the building 7 Cap area.
- Continued organizing tools and equipment for demobilization.
- Removed 3 Sea Containers for off-site disposal.
- Removed fencing around support zone.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site.
- Consolidated Fencing was on site to remove interior fencing.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 1 out of 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | 6/15/2011 |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 2 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | 6/10/2011 |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Volvo Ho-Ram | 6/9/2011 | 6/15/2011 |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 | 1/11/2011 | 6/13/2011 |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

June 20, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|--------------|---------------------|------------------|------------------|----------------|
| 6/20/2011 | Mostly Sunny | 0.00 | 67-82 | 3-17 | SW |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 72 | 24.85 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|-------------------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 6/20/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 6/20/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 6/20/2011 | Paramount Exterminating | Rodent Control | | | | | 1 | 1 |
| 6/20/2011 | SES | Excavation/Backfill | 4 | 40 | | | 13 | 117 |
| Totals | | | 8 | 72 | 1 | 8 | 15 | 126 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 6/20/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None
- Work interrupted due to lightning and heavy rain.

Perimeter Air Monitoring:

- Air monitoring terminated at COB on 6/3/2011.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.306 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.610 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.230 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.293 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.942 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.409 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.547 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.536 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.467 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.414 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.338 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.411 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.044 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.216 |
| 6/2/2011 | 184 - TW-01-060211 | Total Chromium | 0.403 | 0.014359 | 0.048 |

Daily Wastewater Treatment Plant Operations:

| Date | <u>Flow Meter Reading</u> | | | <u>Influent(Approx.)*</u> | | | Hours Treated |
|------|---------------------------|-----------|-------------------|---------------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- All pumping wells have been shut down as of 3/23/2011.
- Modu-tank disassembled.
- PVSC recorded final flow meter reading on 6/16/2011.
- Discharge complete – plant is off-line.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 26,176.66

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 34,376.55 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |
| 5/24/2011 | 4 | Veniero | Asphalt | 93.21 | 8,796.75 | 23.30 | Tilcon |
| 6/2/2011 | 2 | Veniero | Asphalt | 47.8 | 8,844.55 | 23.90 | Tilcon |
| 6/13/2011 | 5 | Veniero | Asphalt | 119.44 | 8,963.99 | 23.89 | Tilcon |
| 6/16/2011 | 2 | Veniero | Asphalt | 47.8 | 9,011.79 | 23.90 | Tilcon |

Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/24/2011 | 6 | Veniero | Concrete | 140.12 | 140.12 | 23.35 | Tilcon |

Asphalt/Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/25/2011 | 12 | Veniero | Asphalt/Concrete | 178.21 | 178.21 | 14.85 | Braen Stone |
| 6/7/2011 | 2 | Veniero | Asphalt/Concrete | 30 | 208.21 | 15.00 | Braen Stone |
| 6/13/2011 | 2 | Veniero | Asphalt/Concrete | 45.56 | 253.77 | 22.78 | Braen Stone |
| 6/14/2011 | 6 | Veniero | Asphalt/Concrete | 92.44 | 346.21 | 15.41 | Braen Stone |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Completed placing and grading top soil in vegetated areas of the Cap side slopes.
- Placed and graded ¾" stone surface coating in the Cap area.
- Continued removing DGA under Modutank liner and placed in the building 7 Cap area.
- Continued organizing tools and equipment for demobilization.
- Removed fence poles around interior fencing.
- Removed privacy screening from perimeter fencing and began moving fence back to property line.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|------------------------|--------------------|---------------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site.
- Paramount Exterminating was on site to pick up rodent control boxes.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 1 out of 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | 6/15/2011 |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 2 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | 6/10/2011 |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachement | 3/23/2011 | |
| 1 | Volvo Ho-Ram | 6/9/2011 | 6/15/2011 |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 | 1/11/2011 | 6/13/2011 |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Joe Clifford – Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

June 21, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------|---------------------|------------------|------------------|----------------|
| 6/21/2011 | Partly Cloudy | 0.00 | 69-86 | 8-14 | N-NW |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 72 | 24.85 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|---------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 6/21/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 6/21/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 6/21/2011 | Auchter Vac Service | Vacuum Service | | | | | 1 | 8 |
| 6/21/2011 | Enviroscapes | Landscaping Contractor | | | | | 4 | 28 |
| 6/21/2011 | SES | Excavation/Backfill | 4 | 40 | | | 13 | 117 |
| Totals | | | 8 | 72 | 1 | 8 | 19 | 161 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 6/21/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None
- Work interrupted due to lightning and heavy rain.

Perimeter Air Monitoring:

- Air monitoring terminated at COB on 6/3/2011.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.306 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.610 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.230 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.293 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.942 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.409 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.547 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.536 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.467 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.414 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.338 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.411 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.044 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.216 |
| 6/2/2011 | 184 - TW-01-060211 | Total Chromium | 0.403 | 0.014359 | 0.048 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Plant demobilized.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 26,176.66

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 34,376.55 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |
| 5/24/2011 | 4 | Veniero | Asphalt | 93.21 | 8,796.75 | 23.30 | Tilcon |
| 6/2/2011 | 2 | Veniero | Asphalt | 47.8 | 8,844.55 | 23.90 | Tilcon |
| 6/13/2011 | 5 | Veniero | Asphalt | 119.44 | 8,963.99 | 23.89 | Tilcon |
| 6/16/2011 | 2 | Veniero | Asphalt | 47.8 | 9,011.79 | 23.90 | Tilcon |

Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/24/2011 | 6 | Veniero | Concrete | 140.12 | 140.12 | 23.35 | Tilcon |

Asphalt/Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/25/2011 | 12 | Veniero | Asphalt/Concrete | 178.21 | 178.21 | 14.85 | Braen Stone |
| 6/7/2011 | 2 | Veniero | Asphalt/Concrete | 30 | 208.21 | 15.00 | Braen Stone |
| 6/13/2011 | 2 | Veniero | Asphalt/Concrete | 45.56 | 253.77 | 22.78 | Braen Stone |
| 6/14/2011 | 6 | Veniero | Asphalt/Concrete | 92.44 | 346.21 | 15.41 | Braen Stone |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |
| 30 cy | 4635 | 5/17/2011 | 6/15/2011 | WM | WM | Debris, trash, wood | 11.69 | 38.67 |
| 30 cy | 4635 | 6/15/2011 | 6/16/2011 | WM | WM | Debris, trash, wood | 16.31 | 54.98 |
| 30 cy | 4635 | 6/16/2011 | 6/17/2011 | WM | WM | Debris, trash, wood | 4.60 | 59.58 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |
| 30 cy | N/A | 5/16/2011 | 6/16/2011 | Cinelli | Cinelli | Scrap Metal | 6.3 | 91.32 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Initiated moving NJDOT barriers and fence back to original property line.
- Placed and graded ¾" stone surface coating in the Cap area.
- Continued removing DGA under Modutank liner and placed in the building 7 Cap area.
- Continued organizing tools and equipment for demobilization.
- Moved orange barricades and 6 rolls of orange demarcation fabric back to Honeywell yard on Kellogg Street.
- Power washed inside of Frac Tanks in order to remove any residual sludge.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site.
- Auchter Vac Truck Service was on site to remove approximately 2,500 gallons of sludge water from the Frac Tanks for offsite disposal.
- Envirosapes was on site to seed the slopes in the building 7 area with a hydro seeding machine and to lay down erosion control matting. Approximately 2,100SF of area was covered.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|--------------------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 2 out of 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | 6/15/2011 & 6/21/2011 |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 2 | 8x24' Office Trailer (William Scotsman) | 8/11/2010 | 6/10/2011 |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Volvo Ho-Ram | 6/9/2011 | 6/15/2011 |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | PC 300 | 1/11/2011 | 6/13/2011 |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Gary Pool – Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

June 22, 2011

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------------|---------------------|------------------|------------------|----------------|
| 6/22/2011 | Partly Cloudy, Rain | 0.27 | 71-81 | 6-15 | SW-W |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 73 | 25.12 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|---------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 6/22/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 6/22/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 6/22/2011 | Auchter Vac Service | Vacuum Service | | | | | 1 | 8 |
| 6/22/2011 | Enviroscapes | Landscaping Contractor | | | | | 4 | 28 |
| 6/22/2011 | SES | Excavation/Backfill | 4 | 40 | | | 13 | 117 |
| Totals | | | 8 | 72 | 1 | 8 | 19 | 161 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 6/22/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:*Toolbox Meeting Topic:*

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- Air monitoring terminated at COB on 6/3/2011.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.306 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.610 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.230 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.293 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.942 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.409 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.547 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.536 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.467 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.414 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.338 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.411 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.044 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.216 |
| 6/2/2011 | 184 - TW-01-060211 | Total Chromium | 0.403 | 0.014359 | 0.048 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Plant demobilized.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 26,176.66

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 34,376.55 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |
| 5/24/2011 | 4 | Veniero | Asphalt | 93.21 | 8,796.75 | 23.30 | Tilcon |
| 6/2/2011 | 2 | Veniero | Asphalt | 47.8 | 8,844.55 | 23.90 | Tilcon |
| 6/13/2011 | 5 | Veniero | Asphalt | 119.44 | 8,963.99 | 23.89 | Tilcon |
| 6/16/2011 | 2 | Veniero | Asphalt | 47.8 | 9,011.79 | 23.90 | Tilcon |

Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/24/2011 | 6 | Veniero | Concrete | 140.12 | 140.12 | 23.35 | Tilcon |

Asphalt/Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/25/2011 | 12 | Veniero | Asphalt/Concrete | 178.21 | 178.21 | 14.85 | Braen Stone |
| 6/7/2011 | 2 | Veniero | Asphalt/Concrete | 30 | 208.21 | 15.00 | Braen Stone |
| 6/13/2011 | 2 | Veniero | Asphalt/Concrete | 45.56 | 253.77 | 22.78 | Braen Stone |
| 6/14/2011 | 6 | Veniero | Asphalt/Concrete | 92.44 | 346.21 | 15.41 | Braen Stone |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |
| 30 cy | 4635 | 5/17/2011 | 6/15/2011 | WM | WM | Debris, trash, wood | 11.69 | 38.67 |
| 30 cy | 4635 | 6/15/2011 | 6/16/2011 | WM | WM | Debris, trash, wood | 16.31 | 54.98 |
| 30 cy | 4635 | 6/16/2011 | 6/17/2011 | WM | WM | Debris, trash, wood | 4.60 | 59.58 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |
| 30 cy | N/A | 5/16/2011 | 6/16/2011 | Cinelli | Cinelli | Scrap Metal | 6.3 | 91.32 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|-------------|-------------|-----|
| 6/22/2011 | 273.56 | Tons | 3/4" Stone | Tilcon | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:*Excavation/Backfill Activities/Comments/Issues:*

- Initiated moving NJDOT barriers and fence back to original property line.
- Placed and graded ¾" stone surface coating in the Cap area.
- Continued removing DGA under Modutank liner and placed in the building 7 Cap area.
- Continued organizing tools and equipment for demobilization.
- Completed power washing inside of Frac Tanks in order to remove any residual sludge.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site.
- Auchter Vac Truck Service was on site to remove approximately 2,000 gallons of sludge water from the Frac Tanks for offsite disposal.
- Envirosapes was on site to spread mulch for the Home Depot restoration and to secure erosion control matting with stakes.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|--------------------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 2 out of 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | 6/15/2011 & 6/21/2011 |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | |
| 1 | 185 Compressor | 9/30/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachement | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | 6/22/2011 |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- Joe Clifford – Mactec
- Telly Giouzelis - Mactec

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

June 23, 2011

Thursday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|--------------|---------------------|------------------|------------------|----------------|
| 6/23/2011 | Cloudy, Rain | 0.20 | 70-76 | 6-15 | W-NW |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 74 | 25.32 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|--------------------|-----------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 6/23/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 6/23/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 6/23/2011 | Consolidated Fence | Fencing Subcontractor | | | | | 2 | 14 |
| 6/23/2011 | Giannos Electric | Electrician | | | | | 3 | 21 |
| 6/23/2011 | SES | Excavation/Backfill | 4 | 40 | | | 13 | 117 |
| Totals | | | 8 | 72 | 1 | 8 | 19 | 160 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 6/23/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- Air monitoring terminated at COB on 6/3/2011.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.306 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.610 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.230 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.293 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.942 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.409 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.547 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.536 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.467 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.414 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.338 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.411 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.044 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.216 |
| 6/2/2011 | 184 - TW-01-060211 | Total Chromium | 0.403 | 0.014359 | 0.048 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Plant demobilized.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 26,176.66

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 34,376.55 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |
| 5/24/2011 | 4 | Veniero | Asphalt | 93.21 | 8,796.75 | 23.30 | Tilcon |
| 6/2/2011 | 2 | Veniero | Asphalt | 47.8 | 8,844.55 | 23.90 | Tilcon |
| 6/13/2011 | 5 | Veniero | Asphalt | 119.44 | 8,963.99 | 23.89 | Tilcon |
| 6/16/2011 | 2 | Veniero | Asphalt | 47.8 | 9,011.79 | 23.90 | Tilcon |

Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/24/2011 | 6 | Veniero | Concrete | 140.12 | 140.12 | 23.35 | Tilcon |

Asphalt/Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/25/2011 | 12 | Veniero | Asphalt/Concrete | 178.21 | 178.21 | 14.85 | Braen Stone |
| 6/7/2011 | 2 | Veniero | Asphalt/Concrete | 30 | 208.21 | 15.00 | Braen Stone |
| 6/13/2011 | 2 | Veniero | Asphalt/Concrete | 45.56 | 253.77 | 22.78 | Braen Stone |
| 6/14/2011 | 6 | Veniero | Asphalt/Concrete | 92.44 | 346.21 | 15.41 | Braen Stone |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |
| 30 cy | 4635 | 5/17/2011 | 6/15/2011 | WM | WM | Debris, trash, wood | 11.69 | 38.67 |
| 30 cy | 4635 | 6/15/2011 | 6/16/2011 | WM | WM | Debris, trash, wood | 16.31 | 54.98 |
| 30 cy | 4635 | 6/16/2011 | 6/17/2011 | WM | WM | Debris, trash, wood | 4.60 | 59.58 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |
| 30 cy | N/A | 5/16/2011 | 6/16/2011 | Cinelli | Cinelli | Scrap Metal | 6.3 | 91.32 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|-------------|-------------|-----|
| 6/23/2011 | 176.04 | Tons | 3/4" Stone | Tilcon | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- Placed and graded ¾" stone surface coating in the Cap area.
- Completed removing DGA under Modutank liner and placed in the building 7 Cap area.
- Continued organizing tools and equipment for demobilization.
- Continued moving Jersey barriers and fence back to original property line.
- Moved bin blocks to Kellogg Street.
- Cleaned out office trailers in preparation for pick up.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site for final Topography.
- Consolidated Fence was on site for restoration of the NJCU fencing.
- Giannos removed electrical equipment at the WWTP and the main office area. DCA inspection is expected next week.
- Adler Tank was on site to pick up an 18,000 gallon Frac Tank.
- Baker Tank was on site to pick up a 21,000 gallon Frac Tank.
- United Rentals picked up a 185 compressor and a light tower.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|--------------------------|
| RENTED EQUIPMENT | | | |
| 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | |
| 2 out of 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | 6/15/2011 & 6/21/2011 |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 2 | 21K Gallon Baker Tank | 9/28/2010 | 6/23/2011 |
| 1 | 185 Compressor | 9/30/2010 | 6/23/2011 |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachement | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 1 | Modutank Panels | 9/29/2010 | 6/22/2011 |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

June 24, 2011

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------|---------------------|------------------|------------------|----------------|
| 6/24/2011 | Partly Cloudy | 0.03 | 65-70 | 7-13 | NE |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 75 | 25.35 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|--------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 6/24/2011 | MACTEC | CM | 4 | 28 | 1 | 8 | | |
| 6/24/2011 | Kenyon Surveying | Surveying | | | | | 1 | 8 |
| 6/24/2011 | Consolidated Fence | Fencing Subcontractor | | | | | 2 | 14 |
| 6/24/2011 | Veniero Trucking | Trucking Subcontractor | | | | | 1 | 8 |
| 6/24/2011 | SES | Excavation/Backfill | 4 | 40 | | | 13 | 104 |
| Totals | | | 8 | 68 | 1 | 8 | 17 | 134 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 6/24/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- Air monitoring terminated at COB on 6/3/2011.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.306 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.610 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.230 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.293 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.942 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.409 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.547 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.536 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.467 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.414 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.338 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.411 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.044 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.216 |
| 6/2/2011 | 184 - TW-01-060211 | Total Chromium | 0.403 | 0.014359 | 0.048 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Plant demobilized.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 26,176.66

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 34,376.55 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |
| 5/24/2011 | 4 | Veniero | Asphalt | 93.21 | 8,796.75 | 23.30 | Tilcon |
| 6/2/2011 | 2 | Veniero | Asphalt | 47.8 | 8,844.55 | 23.90 | Tilcon |
| 6/13/2011 | 5 | Veniero | Asphalt | 119.44 | 8,963.99 | 23.89 | Tilcon |
| 6/16/2011 | 2 | Veniero | Asphalt | 47.8 | 9,011.79 | 23.90 | Tilcon |
| 6/24/2011 | 3 | Veniero | Asphalt | 71.8 | 9,083.59 | 23.93 | Tilcon |

Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/24/2011 | 6 | Veniero | Concrete | 140.12 | 140.12 | 23.35 | Tilcon |

Asphalt/Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/25/2011 | 12 | Veniero | Asphalt/Concrete | 178.21 | 178.21 | 14.85 | Braen Stone |
| 6/7/2011 | 2 | Veniero | Asphalt/Concrete | 30 | 208.21 | 15.00 | Braen Stone |
| 6/13/2011 | 2 | Veniero | Asphalt/Concrete | 45.56 | 253.77 | 22.78 | Braen Stone |
| 6/14/2011 | 6 | Veniero | Asphalt/Concrete | 92.44 | 346.21 | 15.41 | Braen Stone |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |
| 30 cy | 4635 | 5/17/2011 | 6/15/2011 | WM | WM | Debris, trash, wood | 11.69 | 38.67 |
| 30 cy | 4635 | 6/15/2011 | 6/16/2011 | WM | WM | Debris, trash, wood | 16.31 | 54.98 |
| 30 cy | 4635 | 6/16/2011 | 6/17/2011 | WM | WM | Debris, trash, wood | 4.60 | 59.58 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |
| 30 cy | N/A | 5/16/2011 | 6/16/2011 | Cinelli | Cinelli | Scrap Metal | 6.3 | 91.32 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|-----------|----------|-------|-------------|-------------|-----|
| 6/24/2011 | 124.2 | Tons | 3/4" Stone | Tilcon | |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Continued placing and grading ¾" stone surface coating in the Cap area.
- Continued organizing tools and equipment for demobilization.
- Continued moving Jersey barriers and fence back to original property line.
- Continued cleaning out office trailers in preparation for pick up.
- Removed timber mats and steel plates from the main gate entrance off of Route 440. Installed Bentonite and 350SF each of GCL and LLDPE liners for restoration and backfilled in preparation for 4" of asphalt.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site for post construction survey.
- Consolidated Fence was on site for restoration of the NJCU fencing.
- Veniero Trucking was on site to haul asphalt to Tilcon's recycling plant.
- Johnny on the Spot picked up port-a-johns and hand washing stations.
- Williams Scottsman picked up a safety trailers.
- Taylor Oil picked up 2 – 500 gallon fuel tanks.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|--------------------------|
| RENTED EQUIPMENT | | | |
| 4 out of 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | 6/24/2011 |
| 2 out of 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | 6/15/2011 & 6/21/2011 |
| 1 | 10x40' Break Trailer (William Scotsman) | 8/13/2010 | 6/24/2011 |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

June 27, 2011

Monday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 6/27/2011 | Sunny | 0.00 | 67-84 | 3-16 | S-SW |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 75 | 25.35 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|--------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 6/27/2011 | MACTEC | CM | 4 | 32 | 1 | 8 | | |
| 6/27/2011 | Kenon Surveying | Surveying | | | | | 1 | 8 |
| 6/27/2011 | Consolidated Fence | Fencing Subcontractor | | | | | 2 | 13 |
| 6/27/2011 | Lore Sweeping | Brooming Subcontractor | | | | | 1 | 3 |
| 6/27/2011 | Veniero Trucking | Trucking Subcontractor | | | | | 1 | 4 |
| 6/27/2011 | SES | Excavation/Backfill | 2 | 20 | | | 8 | 64 |
| Totals | | | 6 | 52 | 1 | 8 | 13 | 92 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 6/27/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- Air monitoring terminated at COB on 6/3/2011.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.306 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.610 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.230 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.293 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.942 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.409 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.547 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.536 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.467 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.414 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.338 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.411 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.044 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.216 |
| 6/2/2011 | 184 - TW-01-060211 | Total Chromium | 0.403 | 0.014359 | 0.048 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Plant demobilized.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 26,176.66

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 34,376.55 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |
| 5/24/2011 | 4 | Veniero | Asphalt | 93.21 | 8,796.75 | 23.30 | Tilcon |
| 6/2/2011 | 2 | Veniero | Asphalt | 47.8 | 8,844.55 | 23.90 | Tilcon |
| 6/13/2011 | 5 | Veniero | Asphalt | 119.44 | 8,963.99 | 23.89 | Tilcon |
| 6/16/2011 | 2 | Veniero | Asphalt | 47.8 | 9,011.79 | 23.90 | Tilcon |
| 6/24/2011 | 3 | Veniero | Asphalt | 71.8 | 9,083.59 | 23.93 | Tilcon |
| 6/27/2011 | 1 | Veniero | Asphalt | 20 | 9,103.59 | 20.00 | Tilcon |

Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/24/2011 | 6 | Veniero | Concrete | 140.12 | 140.12 | 23.35 | Tilcon |

Asphalt/Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/25/2011 | 12 | Veniero | Asphalt/Concrete | 178.21 | 178.21 | 14.85 | Braen Stone |
| 6/7/2011 | 2 | Veniero | Asphalt/Concrete | 30 | 208.21 | 15.00 | Braen Stone |
| 6/13/2011 | 2 | Veniero | Asphalt/Concrete | 45.56 | 253.77 | 22.78 | Braen Stone |
| 6/14/2011 | 6 | Veniero | Asphalt/Concrete | 92.44 | 346.21 | 15.41 | Braen Stone |

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |
| 30 cy | 4635 | 5/17/2011 | 6/15/2011 | WM | WM | Debris, trash, wood | 11.69 | 38.67 |
| 30 cy | 4635 | 6/15/2011 | 6/16/2011 | WM | WM | Debris, trash, wood | 16.31 | 54.98 |
| 30 cy | 4635 | 6/16/2011 | 6/17/2011 | WM | WM | Debris, trash, wood | 4.60 | 59.58 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |
| 30 cy | N/A | 5/16/2011 | 6/16/2011 | Cinelli | Cinelli | Scrap Metal | 6.3 | 91.32 |

MATERIAL RECEIVING:
Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Completed moving bin blocks to Kellogg Street.
- Removed a Land Sea container with tools and shipped to Tom's River, NJ.
- Completed moving Jersey barriers and fence back to original property line.
- Continued final housekeeping and power broomed job site.
- Initiated installation of privacy screening on relocated fence and barrier.
- Continued installing fence around the NJCU Residential AOC.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Kennon Surveying was on site for post construction survey.
- Consolidated Fence was on site for restoration of the NJCU fencing.
- Veniero Trucking was on site to haul asphalt to Tilcon's recycling plant.
- Lore Sweeping power broomed job site.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|--------------------------|
| RENTED EQUIPMENT | | | |
| 4 out of 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | 6/24/2011 |
| 2 out of 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | 6/15/2011 & 6/21/2011 |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | 84" Vibratory Roller | 1/26/2011 | 6/27/2011 |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | |
| 1 | Water Truck | 8/31/2010 | |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

June 28, 2011

Tuesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------------------|---------------------|------------------|------------------|----------------|
| 6/28/2011 | Hazy, hot and humid | 0.00 | 72-86 | 3-20 | S-SE |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 75 | 25.35 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|--------------------|------------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 6/28/2011 | MACTEC | CM | 2 | 16 | 1 | 8 | | |
| 6/28/2011 | Consolidated Fence | Fencing Subcontractor | | | | | 2 | 12 |
| 6/28/2011 | Lore Sweeping | Brooming Subcontractor | | | | | 1 | 4 |
| 6/28/2011 | Roman Asphalt | Asphalt Paving | | | | | 12 | 24 |
| 6/28/2011 | SES | Excavation/Backfill | 2 | 16 | | | 8 | 64 |
| Totals | | | 4 | 32 | 1 | 8 | 23 | 104 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 6/28/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- Air monitoring terminated at COB on 6/3/2011.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.306 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.610 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.230 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.293 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.942 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.409 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.547 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.536 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.467 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.414 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.338 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.411 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.044 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.216 |
| 6/2/2011 | 184 - TW-01-060211 | Total Chromium | 0.403 | 0.014359 | 0.048 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Plant demobilized.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 26,176.66

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 34,376.55 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |
| 5/24/2011 | 4 | Veniero | Asphalt | 93.21 | 8,796.75 | 23.30 | Tilcon |
| 6/2/2011 | 2 | Veniero | Asphalt | 47.8 | 8,844.55 | 23.90 | Tilcon |
| 6/13/2011 | 5 | Veniero | Asphalt | 119.44 | 8,963.99 | 23.89 | Tilcon |
| 6/16/2011 | 2 | Veniero | Asphalt | 47.8 | 9,011.79 | 23.90 | Tilcon |
| 6/24/2011 | 3 | Veniero | Asphalt | 71.8 | 9,083.59 | 23.93 | Tilcon |
| 6/27/2011 | 1 | Veniero | Asphalt | 20 | 9,103.59 | 20.00 | Tilcon |

Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/24/2011 | 6 | Veniero | Concrete | 140.12 | 140.12 | 23.35 | Tilcon |

Asphalt/Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/25/2011 | 12 | Veniero | Asphalt/Concrete | 178.21 | 178.21 | 14.85 | Braen Stone |
| 6/7/2011 | 2 | Veniero | Asphalt/Concrete | 30 | 208.21 | 15.00 | Braen Stone |
| 6/13/2011 | 2 | Veniero | Asphalt/Concrete | 45.56 | 253.77 | 22.78 | Braen Stone |
| 6/14/2011 | 6 | Veniero | Asphalt/Concrete | 92.44 | 346.21 | 15.41 | Braen Stone |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |
| 30 cy | 4635 | 5/17/2011 | 6/15/2011 | WM | WM | Debris, trash, wood | 11.69 | 38.67 |
| 30 cy | 4635 | 6/15/2011 | 6/16/2011 | WM | WM | Debris, trash, wood | 16.31 | 54.98 |
| 30 cy | 4635 | 6/16/2011 | 6/17/2011 | WM | WM | Debris, trash, wood | 4.60 | 59.58 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |
| 30 cy | N/A | 5/16/2011 | 6/16/2011 | Cinelli | Cinelli | Scrap Metal | 6.3 | 91.32 |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:*Excavation/Backfill Activities/Comments/Issues:*

- Built an approximate 400 ton containment area for excess DGA storage.
- Completed asphalt paving along Route 440.
- Continued final housekeeping and power broomed job site.
- Completed privacy screening around job site.
- Continued installing fence around the NJCU Residential AOC.
- The last office trailer was taken off site.
- Installed 120LF of brown fencing and posts.
- Installed one section of black metal fencing and gate behind the Home Depot property.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Consolidated Fence was on site for restoration of the NJCU fencing.
- Roman Asphalt was on site to complete the paving along Route 440.
- Lore Sweeping power broomed job site.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|--|
| RENTED EQUIPMENT | | | |
| 4 out of 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | 6/24/2011 |
| 3 out of 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | 6/15/2011, 6/21/2011 & 6/28/2011 |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | |
| 1 | Scrap Dumpster | 8/26/2010 | |
| 1 | Shower Trailer | 10/26/2010 | |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | 6/28/2011 |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | 6/28/2011 |
| 1 | Water Truck | 8/31/2010 | 6/28/2011 |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

June 29, 2011

Wednesday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|-----------|---------|---------------------|------------------|------------------|----------------|
| 6/29/2011 | Sunny | 0.00 | 68-86 | 2-10 | W-NW |

Weather Event Totals since Project Mobilization:

| | Days of Rain | Rain Totals in Inches | Days of Snow | Snow Totals in Inches |
|--------|--------------|-----------------------|--------------|-----------------------|
| Totals | 75 | 25.35 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|-----------|-------------|---------------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 6/29/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| 6/29/2011 | SES | Excavation/Backfill | 1 | 8 | | | 4 | 24 |
| Totals | | | 4 | 32 | 1 | 8 | 4 | 24 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|-----------|---------------------------|-----------|-----------|
| 6/29/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:*Toolbox Meeting Topic:*

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- Air monitoring terminated at COB on 6/3/2011.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.306 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.610 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.230 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.293 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.942 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.409 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.547 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.536 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.467 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.414 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.338 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.411 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.044 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.216 |
| 6/2/2011 | 184 - TW-01-060211 | Total Chromium | 0.403 | 0.014359 | 0.048 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Plant demobilized.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 26,176.66

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 34,376.55 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |
| 5/24/2011 | 4 | Veniero | Asphalt | 93.21 | 8,796.75 | 23.30 | Tilcon |
| 6/2/2011 | 2 | Veniero | Asphalt | 47.8 | 8,844.55 | 23.90 | Tilcon |
| 6/13/2011 | 5 | Veniero | Asphalt | 119.44 | 8,963.99 | 23.89 | Tilcon |
| 6/16/2011 | 2 | Veniero | Asphalt | 47.8 | 9,011.79 | 23.90 | Tilcon |
| 6/24/2011 | 3 | Veniero | Asphalt | 71.8 | 9,083.59 | 23.93 | Tilcon |
| 6/27/2011 | 1 | Veniero | Asphalt | 20 | 9,103.59 | 20.00 | Tilcon |

Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/24/2011 | 6 | Veniero | Concrete | 140.12 | 140.12 | 23.35 | Tilcon |

Asphalt/Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/25/2011 | 12 | Veniero | Asphalt/Concrete | 178.21 | 178.21 | 14.85 | Braen Stone |
| 6/7/2011 | 2 | Veniero | Asphalt/Concrete | 30 | 208.21 | 15.00 | Braen Stone |
| 6/13/2011 | 2 | Veniero | Asphalt/Concrete | 45.56 | 253.77 | 22.78 | Braen Stone |
| 6/14/2011 | 6 | Veniero | Asphalt/Concrete | 92.44 | 346.21 | 15.41 | Braen Stone |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |
| 30 cy | 4635 | 5/17/2011 | 6/15/2011 | WM | WM | Debris, trash, wood | 11.69 | 38.67 |
| 30 cy | 4635 | 6/15/2011 | 6/16/2011 | WM | WM | Debris, trash, wood | 16.31 | 54.98 |
| 30 cy | 4635 | 6/16/2011 | 6/17/2011 | WM | WM | Debris, trash, wood | 4.60 | 59.58 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |
| 30 cy | N/A | 5/16/2011 | 6/16/2011 | Cinelli | Cinelli | Scrap Metal | 6.3 | 91.32 |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
EXCAVATION/BACKFILL CONTRACTOR:
Excavation/Backfill Activities/Comments/Issues:

- Placed barrier and fencing across the access road area.
- Completed final housekeeping.
- Continued demobilization of remaining equipment.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Enviroscapes was on site to assess the Home Depot restoration between curb and barrier.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|---------------------------|--|------------------|--|
| RENTED EQUIPMENT | | | |
| 5 out of 5 | Portable toilets (Johnny on the Spot) | 8/10/2010 | 6/24/2011 & 6/29/2011 |
| 3 out of 3 | 10x50' Office Trailer (William Scotsman) | 8/11/2010 | 6/15/2011, 6/21/2011 & 6/28/2011 |
| 1 | Guard House (William Scotsman) | 8/11/2010 | |
| 2 | Tool Trailer (William Scotsman) | 8/11/2010 | |
| 1 | 225 KVA Silenced Generator | 8/16/2010 | |
| 1 | Mobile Ram - ABI TMI 18/22B | 8/31/2010 | |
| 1 | Plate Tamper | 9/22/2010 | |
| 1 | C&D Dumpster | 8/26/2010 | 6/29/2011 |
| 1 | Scrap Dumpster | 8/26/2010 | 6/29/2011 |
| 1 | Drill Rig | 11/8/2010 | |
| 1 | 300 Gallon Tank | 11/10/2010 | |
| 1 | Komatsu 470 Loader | 12/13/2010 | |
| 1 | Stacking Conveyor | 2/1/2011 | |
| 1 | Rusmar Foam Unit | 2/23/2011 | |
| 1 | 4" Dri Prime Pump | 3/8/2011 | |
| 1 | Pulverizer Attachment | 3/23/2011 | |
| 1 | Mini Excavator | 4/5/2011 | |
| SEVENSON EQUIPMENT | | | |
| 2 | Komatsu PC 220 Excavator | 1/27/2011 | 6/28/2011 |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | |
| 1 | Dump Truck | 8/31/2010 | 6/28/2011 |
| 1 | Water Truck | 8/31/2010 | 6/28/2011 |
| 2 | Power Washers | 9/29 & 11/3/2010 | |
| 1 | Kubota | 11/4/2010 | |
| 1 | Yokogawa Flow Meter | 10/18/2010 | |
| 1 | WA 470 Loader | 2/23/2011 | |
| 1 | D37 Dozer | 4/28/2011 | |

GENERAL COMMENTS/ISSUES:

- None

VISITORS ONSITE:

- None

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

July 1, 2011

Friday

WEATHER:

| Date | Weather | Precipitation (in.) | Temperature (°F) | Wind Speed (mph) | Wind Direction |
|----------|---------|---------------------|------------------|------------------|----------------|
| 7/1/2011 | Sunny | 0.00 | 65-87 | 3-24 | NW |

Weather Event Totals since Project Mobilization:

| | <u>Days of Rain</u> | <u>Rain Totals in Inches</u> | <u>Days of Snow</u> | <u>Snow Totals in Inches</u> |
|--------|---------------------|------------------------------|---------------------|------------------------------|
| Totals | 75 | 25.35 | 16 | 50.20 |

SITE PERSONNEL:

| Date | Contractors | Class of Work | Supervision | | Clerical | | Labor | |
|----------|-------------|---------------|-------------|-----------|-----------|-----------|-----------|-----------|
| | | | Personnel | Total Hrs | Personnel | Total Hrs | Personnel | Total Hrs |
| 7/1/2011 | MACTEC | CM | 3 | 24 | 1 | 8 | | |
| Totals | | | 3 | 24 | 1 | 8 | 0 | 0 |

TRAFFIC CONTROL:

| Date | Work being performed | Personnel | Total Hrs |
|----------|---------------------------|-----------|-----------|
| 7/1/2011 | No Traffic Control Needed | | |

HEALTH & SAFETY:

Toolbox Meeting Topic:

- Potential hazards associated with days planned activities.

Incidents involving construction personnel:

- Environmental: None
- Occupational Health: None
- Safety: None
- Property Damage: None
- General: None

Health & Safety Comments/Issues:

- None

Perimeter Air Monitoring:

- Air monitoring terminated at COB on 6/3/2011.

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
CONSTRUCTION WASTEWATER TREATMENT PLANT OPERATIONS:
Passaic Valley Sewerage Commission (PVSC) Compliance Sampling:

| Date | Sample ID | Analysis | Result (mg/L) | Average Daily Discharge Rate (millions of gallons) | Total Chromium Discharge (lbs/day) |
|------------|--------------------|----------------|---------------|--|------------------------------------|
| 11/3/2010 | 184 - TW-01-110310 | Total Chromium | 4.02 | 0.098620 | 3.306 |
| 11/10/2010 | 184 - TW-01-111010 | Total Chromium | 0.868 | 0.084220 | 0.610 |
| 11/17/2010 | 184 - TW-01-111710 | Total Chromium | 0.479 | 0.057560 | 0.230 |
| 11/24/2010 | 184 - TW-01-112410 | Total Chromium | 0.458 | 0.076760 | 0.293 |
| 12/2/2010 | 184 - TW-01-120210 | Total Chromium | 1.11 | 0.101779 | 0.942 |
| 12/8/2010 | 184 - TW-01-120810 | Total Chromium | 0.85 | 0.057686 | 0.409 |
| 12/15/2010 | 184 - TW-01-121510 | Total Chromium | 1.03 | 0.063734 | 0.547 |
| 12/22/2010 | 184 - TW-01-122210 | Total Chromium | 1.03 | 0.062411 | 0.536 |
| 12/29/2010 | 184 - TW-01-122910 | Total Chromium | 1.19 | 0.047041 | 0.467 |
| 1/5/2011 | 184 - TW-01-010511 | Total Chromium | 0.899 | 0.055207 | 0.414 |
| 2/3/2011 | 184 - TW-01-020311 | Total Chromium | 0.911 | 0.044532 | 0.338 |
| 3/2/2011 | 184 - TW-01-030211 | Total Chromium | 0.721 | 0.068414 | 0.411 |
| 4/4/2011 | 184 - TW-01-040411 | Total Chromium | 0.937 | 0.005680 | 0.044 |
| 5/5/2011 | 184 - TW-01-050511 | Total Chromium | 3.18 | 0.008126 | 0.216 |
| 6/2/2011 | 184 - TW-01-060211 | Total Chromium | 0.403 | 0.014359 | 0.048 |

Daily Wastewater Treatment Plant Operations:

| Date | Flow Meter Reading | | | Influent(Approx.)* | | | Hours Treated |
|------|--------------------|-----------|-------------------|--------------------|----------------|-----------------|---------------|
| | Shift Start | Shift End | Amount Discharged | Amount Received | Amount Treated | Treated to Date | |

(*Please note, influent is approximate.)

Wastewater Treatment Plant Comments/Issues:

- Plant demobilized.

WASTE MANAGEMENT/DISPOSAL:
Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to US Ecology – 26,176.66

SA-5 NJCU Site Remediation
REMEDIAL ACTION: DAILY CONSTRUCTION REPORT
Non-Hazardous Material Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Average Truck Time Onsite (minutes) | Disposal Facility |
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|
|------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------------------------|-------------------|

- Previous total to date to New Jersey Meadowlands Commission – 6,080.95 tons
- Previous total to date to Middlesex County – 34,376.55 tons

Asphalt Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 3/14/2011 | 31 | Veniero | Asphalt | 775.80 | 775.80 | 25.03 | Tilcon |
| 3/15/2011 | 37 | Veniero | Asphalt | 956.05 | 1,731.85 | 25.84 | Tilcon |
| 3/16/2011 | 35 | Veniero | Asphalt | 907.66 | 2,639.51 | 25.93 | Tilcon |
| 3/17/2011 | 47 | Veniero | Asphalt | 1,221.32 | 3,860.83 | 25.99 | Tilcon |
| 3/18/2011 | 43 | Veniero | Asphalt | 1,122.50 | 4,983.33 | 26.10 | Tilcon |
| 3/21/2011 | 36 | Veniero | Asphalt | 934.93 | 5,918.26 | 25.97 | Tilcon |
| 3/22/2011 | 17 | Veniero | Asphalt | 439.30 | 6,357.56 | 25.84 | Tilcon |
| 5/3/2011 | 10 | Veniero | Asphalt | 256.42 | 6,613.98 | 25.64 | Tilcon |
| 5/10/2011 | 12 | Veniero | Asphalt | 312.19 | 6,926.17 | 26.02 | Tilcon |
| 5/11/2011 | 18 | Veniero | Asphalt | 474.03 | 7,400.20 | 26.34 | Tilcon |
| 5/12/2011 | 15 | Veniero | Asphalt | 392.27 | 7,792.47 | 26.15 | Tilcon |
| 5/13/2011 | 18 | Veniero | Asphalt | 456.90 | 8,249.37 | 25.38 | Tilcon |
| 5/18/2011 | 4 | Veniero | Asphalt | 103.00 | 8,352.37 | 25.75 | Tilcon |
| 5/19/2011 | 4 | Veniero | Asphalt | 96.48 | 8,448.85 | 24.12 | Tilcon |
| 5/20/2011 | 5 | Veniero | Asphalt | 115.71 | 8,564.56 | 23.14 | Tilcon |
| 5/23/2011 | 6 | Veniero | Asphalt | 138.98 | 8,703.54 | 23.16 | Tilcon |
| 5/24/2011 | 4 | Veniero | Asphalt | 93.21 | 8,796.75 | 23.30 | Tilcon |
| 6/2/2011 | 2 | Veniero | Asphalt | 47.8 | 8,844.55 | 23.90 | Tilcon |
| 6/13/2011 | 5 | Veniero | Asphalt | 119.44 | 8,963.99 | 23.89 | Tilcon |
| 6/16/2011 | 2 | Veniero | Asphalt | 47.8 | 9,011.79 | 23.90 | Tilcon |
| 6/24/2011 | 3 | Veniero | Asphalt | 71.8 | 9,083.59 | 23.93 | Tilcon |
| 6/27/2011 | 1 | Veniero | Asphalt | 20 | 9,103.59 | 20.00 | Tilcon |

Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/24/2011 | 6 | Veniero | Concrete | 140.12 | 140.12 | 23.35 | Tilcon |

Asphalt/Concrete Shipped Summary:

| Date | No. Trucks | Transporter | Material Shipped | Net Tons Shipped | Total Tons to Date | Average Tons/Truck | Disposal Facility |
|-----------|------------|-------------|------------------|------------------|--------------------|--------------------|-------------------|
| 5/25/2011 | 12 | Veniero | Asphalt/Concrete | 178.21 | 178.21 | 14.85 | Braen Stone |
| 6/7/2011 | 2 | Veniero | Asphalt/Concrete | 30 | 208.21 | 15.00 | Braen Stone |
| 6/13/2011 | 2 | Veniero | Asphalt/Concrete | 45.56 | 253.77 | 22.78 | Braen Stone |
| 6/14/2011 | 6 | Veniero | Asphalt/Concrete | 92.44 | 346.21 | 15.41 | Braen Stone |

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

Roll-Off Boxes:

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|---------------------|----------|-----------------------|
| 30 cy | 4635 | 8/11/2010 | 8/17/2010 | WM | WM | Debris, trash, wood | 4.97 | 4.97 |
| 30 cy | 4635 | 8/17/2010 | 9/1/2010 | WM | WM | Debris, trash, wood | 2.94 | 7.91 |
| 30 cy | 4635 | 9/1/2010 | 9/15/2010 | WM | WM | Debris, trash, wood | 3.01 | 10.92 |
| 30 cy | 4635 | 9/15/2010 | 10/20/2010 | WM | WM | Debris, trash, wood | 2.48 | 13.4 |
| 30 cy | 4635 | 10/20/2010 | 12/3/2010 | WM | WM | Debris, trash, wood | 2.97 | 16.37 |
| 30 cy | 4635 | 12/3/2010 | 1/4/2011 | WM | WM | Debris, trash, wood | 3.04 | 19.41 |
| 30 cy | 4635 | 1/4/2011 | 2/24/2011 | WM | WM | Debris, trash, wood | 4.57 | 23.98 |
| 30 cy | 4635 | 2/24/2011 | 5/17/2011 | WM | WM | Debris, trash, wood | 3.00 | 26.98 |
| 30 cy | 4635 | 5/17/2011 | 6/15/2011 | WM | WM | Debris, trash, wood | 11.69 | 38.67 |
| 30 cy | 4635 | 6/15/2011 | 6/16/2011 | WM | WM | Debris, trash, wood | 16.31 | 54.98 |
| 30 cy | 4635 | 6/16/2011 | 6/17/2011 | WM | WM | Debris, trash, wood | 4.60 | 59.58 |

| Box Size | Box ID | Date Delivered | Date Removed | Owner/ Transporter | Disposal Facility | Material Shipped | Net Tons | Total Tons to Date |
|----------|--------|----------------|--------------|-----------------------|-------------------|------------------|----------|-----------------------|
| 30 cy | 3068 | 8/1/2010 | 8/19/2010 | Nacerima | Nacerima | Scrap Metal | 3.5 | 3.5 |
| 30 cy | 3068 | 8/19/2010 | 8/25/2010 | Nacerima | Nacerima | Scrap Metal | 3.1 | 6.6 |
| 30 cy | 3068 | 8/25/2010 | 9/29/2010 | Nacerima | Nacerima | Scrap Metal | 5.21 | 11.81 |
| 30 cy | 3068 | 9/29/2010 | 11/4/2010 | Nacerima | Nacerima | Scrap Metal | 6.3 | 18.11 |
| 30 cy | N/A | 11/4/2010 | 11/29/2010 | Cinelli | Cinelli | Scrap Metal | 5.82 | 23.93 |
| 30 cy | N/A | 11/29/2010 | 12/9/2010 | Cinelli | Cinelli | Scrap Metal | 5.4 | 29.33 |
| 30 cy | N/A | 12/9/2010 | 1/22/2011 | Cinelli | Cinelli | Scrap Metal | 7.12 | 36.45 |
| 30 cy | N/A | 1/22/2011 | 2/2/2011 | Cinelli | Cinelli | Scrap Metal | 8.1 | 44.55 |
| 30 cy | N/A | 2/2/2011 | 2/4/2011 | Cinelli | Cinelli | Scrap Metal | 10.4 | 54.95 |
| 30 cy | N/A | 2/4/2011 | 3/10/2011 | Cinelli | Cinelli | Scrap Metal | 3 | 57.95 |
| 30 cy | N/A | 3/10/2011 | 3/24/2011 | Cinelli | Cinelli | Scrap Metal | 8.25 | 66.2 |
| 30 cy | N/A | 3/24/2011 | 4/12/2011 | Cinelli | Cinelli | Scrap Metal | 13.41 | 79.61 |
| 30 cy | N/A | 4/12/2011 | 5/16/2011 | Cinelli | Cinelli | Scrap Metal | 5.41 | 85.02 |
| 30 cy | N/A | 5/16/2011 | 6/16/2011 | Cinelli | Cinelli | Scrap Metal | 6.3 | 91.32 |

MATERIAL RECEIVING:

Backfill:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

Cover Soil:

| Date | Origination | Material | Net Tons |
|------|-------------|----------|----------|
|------|-------------|----------|----------|

General Use Material:

| Date | Quantity | Units | Description | Origination | Use |
|------|----------|-------|-------------|-------------|-----|
|------|----------|-------|-------------|-------------|-----|

SA-5 NJCU Site Remediation

REMEDIAL ACTION: DAILY CONSTRUCTION REPORT

EXCAVATION/BACKFILL CONTRACTOR:

Excavation/Backfill Activities/Comments/Issues:

- None.

Sheeting Production:

| Date | # Sheets driven | Driven (SF) | Project Total (SF) |
|-------------------|-----------------|-------------|--------------------|
| To Date | 518 | 78602 | 78602 |
| Pre 9/27/10 | 108 | 23249 | |
| 9/27/10-10/29/10 | 372 | 52961 | |
| 11/1/10-11/26/10 | 0 | 0 | |
| 11/29/10-12/31/10 | 4 | 331 | |
| 1/3/11-1/28/11 | 0 | 0 | |
| 1/31/11-2/25/11 | 0 | 0 | |
| 2/28/11-3/18/11 | 17 | 1031 | |

Notes: Months spanning from last Friday of previous month to COB last Friday of current month.

- Sheet pile installation was completed on 3/18/2011.

ADDITIONAL SITE ACTIVITIES:

- Andy Greybush from PVSC was on site for final inspection.

MAJOR EQUIPMENT:

| Quantity | Description | Mobilized | Demobilized |
|--------------------|--------------------------------|------------------|-------------|
| RENTED EQUIPMENT | | | |
| 1 | Komatsu 470 Loader | 12/13/2010 | 6/30/2011 |
| SEVENSON EQUIPMENT | | | |
| 1 | Komatsu WB 140 Tractor Backhoe | 8/10/2010 | 6/30/2011 |
| 2 | Power Washers | 9/29 & 11/3/2010 | 6/30/2011 |
| 1 | WA 470 Loader | 2/23/2011 | 6/30/2011 |

GENERAL COMMENTS/ISSUES

- None

VISITORS ONSITE:

- None

APPENDIX B

AS-BUILTS

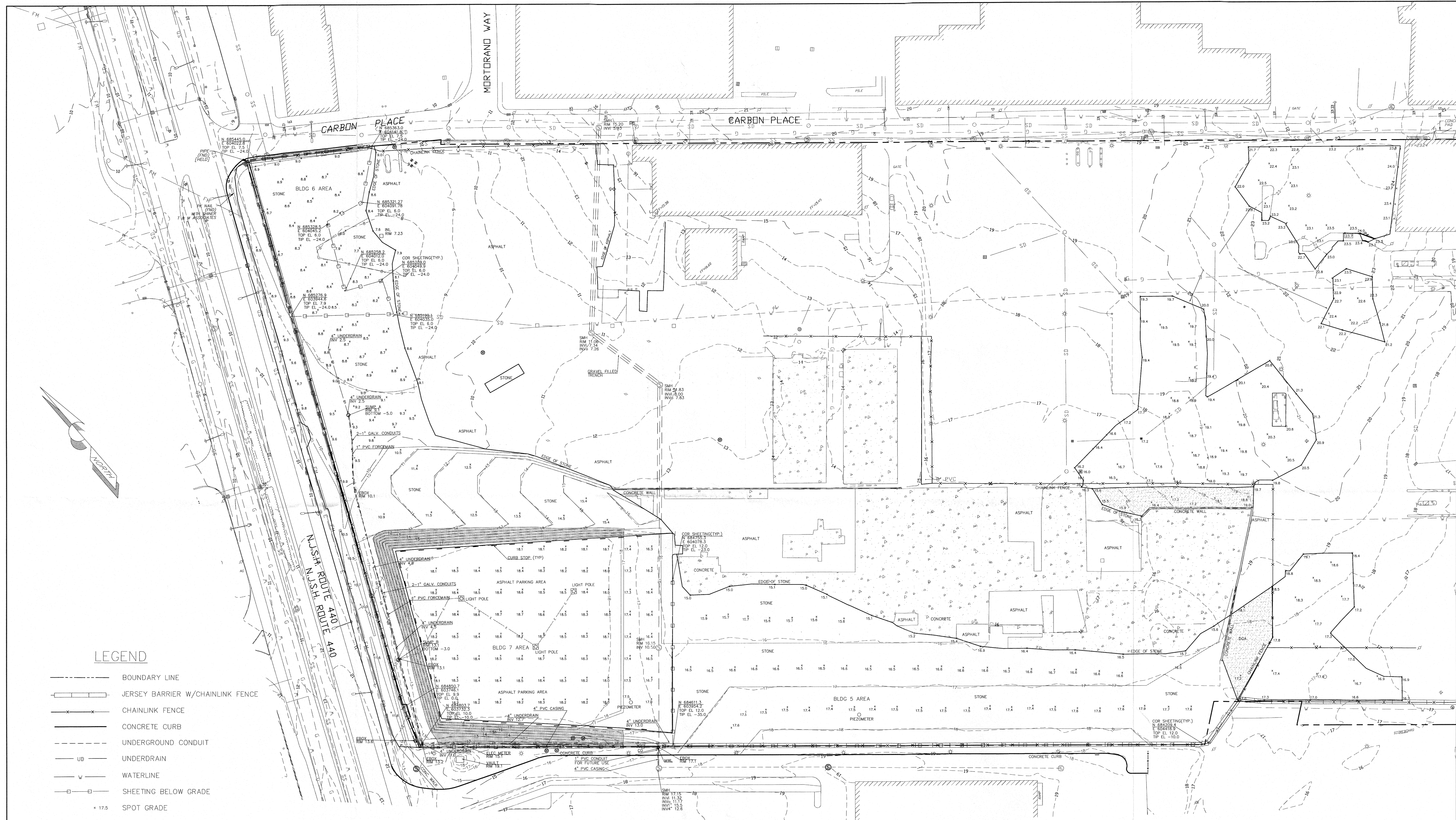
STUDY AREA 5 REMEDIAL ACTION REPORT

FORMER BALDWIN STEEL SITE (NJDEP SITE 090)

FORMER MI HOLDINGS SITE (NJDEP SITE 184)

PORTION OF FORMER MORRIS CANAL SITE (NJDEP SITE 153 NORTHERN SEGMENT)

JERSEY CITY, NEW JERSEY



LEGEND

- BOUNDARY LINE
- JERSEY BARRIER W/CHAINLINK FENCE
- x-x- CHAINLINK FENCE
- CONCRETE CURB
- UNDERGROUND CONDUIT
- UD UNDERDRAIN
- W WATERLINE
- SHEETING BELOW GRADE
- x 17.5 SPOT GRADE
- ELECTRIC BOX
- ⊙ SANITARY SEWER MANHOLE
- ⊙ MONITOR WELL
- INLET
- TOPSOIL/SEEDING AREA
- CONCRETE AREA
- CURB STOP

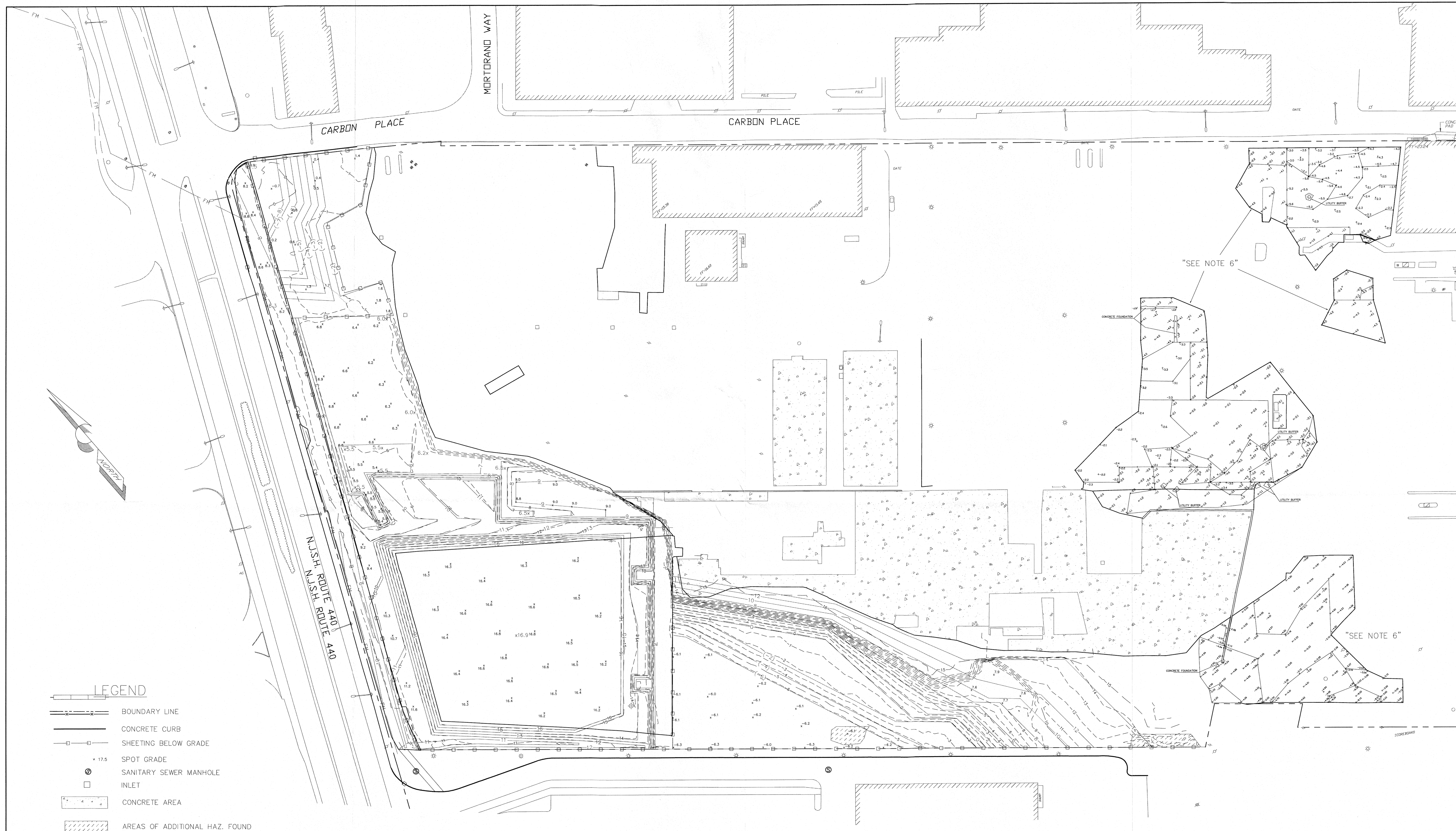
NOTES

- THIS MAP WAS PREPARED TO SHOW THE AS-BUILT CONDITIONS OF THE SITE POST CONSTRUCTION. THIS MAP WAS CREATED FROM FIELD MEASUREMENTS PERFORMED BY THIS FIRM THROUGH 12-22-11.
- HORIZONTAL DATUM NAD 83, VERTICAL DATUM NGVD 29.
- BOUNDARY LINE, AND BACKGROUND INFORMATION SHOWN HEREON OUTSIDE OF THE SURVEY LIMITS FROM PLANS ENTITLED "EXISTING CONDITIONS" PREPARED BY MACTEC LAST REVISED 05-06-10.
- CONTOURS SHOWN HEREON IN A DASHED LINE TYPE REPRESENT THE ASBUILT AND EXISTING CONDITIONS. AND THE CONTOURS SHOWN IN A SOLID LINE TYPE REPRESENT THE PROPOSED FINAL GRADE AS SHOWN ON MACTEC DESIGN PLANS ENTITLED "POST CHROMIUM REMEDIATION GRADING AND DRAINAGE PLAN, ADDENDUM 3".

KENNY L. KENNON, P.L.S.
PROFESSIONAL LAND SURVEYOR LICENSE NO. 37195

DATE: 1-13-12

| | | | |
|---|----------|-----------|--------|
| <p>AS-BUILT SURVEY "FINAL EXISTING CONDITIONS" BLOCK 1286.5, LOT 1 & BLOCK 1286, LOT 5 JERSEY CITY, NEW JERSEY HONEYWELL SITE ID 37288, 37811 & 37460</p> | | | |
| <p>KSS KENNON SURVEYING SERVICES INC. 5 POWDER HORN DRIVE, SUITE 4 P.O. BOX 4477 WARREN, NEW JERSEY 07059</p> | | | |
| <p>PHONE 732-564-1818 CERTIFICATE OF AUTHORIZATION NO. 27944900 FAX 732-564-9999</p> | | | |
| DATE | SCALE | PROJ. NO. | SHEET |
| 01-13-12 | 1" = 50' | 2201 | 1 OF 2 |



NOTES

- 1. THIS MAP WAS PREPARED TO SHOW THE AS-BUILT CONDITIONS OF THE BOTTOM OF EXCAVATION.
- 2. HORIZONTAL DATUM NAD 83, VERTICAL DATUM NGVD 29.
- 3. BOUNDARY LINE, AND BACKGROUND INFORMATION SHOWN HEREON OUTSIDE OF THE SURVEY LIMITS FROM PLANS ENTITLED "EXISTING CONDITIONS" PREPARED BY MACTEC LAST REVISED 05-06-10.
- 4. CONTOURS SHOWN HEREON IN A DASHED LINE TYPE REPRESENT THE ASBUILT SUBGRADE. AND THE CONTOURS SHOWN IN A SOLID LINE TYPE REPRESENT THE PROPOSED SUBGRADE AS SHOWN ON MACTEC DESIGN PLANS ENTITLED "SOIL EXCAVATION PLAN", DATED 05-06-10, (FOR BUILDING 5 & 6) AND "MACTEC-CSP02 ADDNM15 SG-NO PILE -DRAFT FOR PLAINTIFF REVIEW", DATED 04-14-11, (BUILDING 7).
- 5. EXCAVATION DEPTHS FOR BUILDING 6 AREA WERE LIMITED BY THE EXISTING "MEADOW MAT SYSTEM".
- 6. SPOT GRADES SHOWN IN THE JERSEY CITY UNIVERSITY PARKING LOT REPRESENT THE DEPTH OF EXCAVATION.

KENNY L. KENNON, P.L.S.
PROFESSIONAL LAND SURVEYOR LICENSE NO. 37195
Kenny L. Kennon DATE: 1-13-12

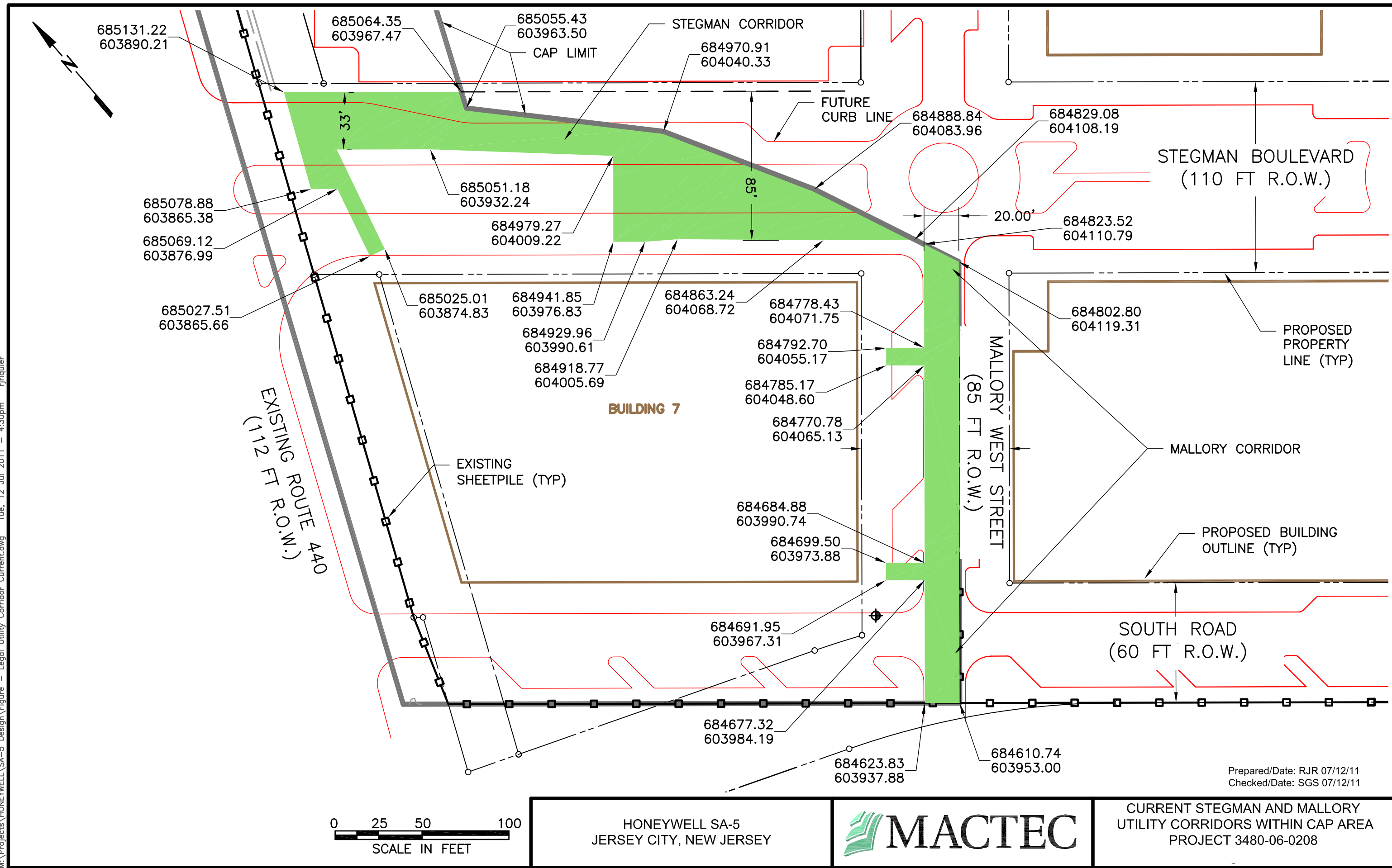
**AS-BUILT SURVEY
"SUB-GRADE"**

BLOCK 1286.5, LOT 1 & BLOCK 1286, LOT 5
JERSEY CITY, NEW JERSEY
HONEYWELL SITE ID 37288, 37811 & 37460

KSS KENNON SURVEYING SERVICES INC.
5 POWDER HORN DRIVE, SUITE 4
P.O. BOX 4477
WARREN, NEW JERSEY 07059
PHONE 732-564-1818 CERTIFICATE OF AUTHORIZATION NO. 27944900 FAX 732-564-9999

| | | | | | | | |
|------|----------|-------|----------|-----------|------|-------|--------|
| DATE | 01-13-12 | SCALE | 1" = 50' | PROJ. NO. | 2201 | SHEET | 2 OF 2 |
|------|----------|-------|----------|-----------|------|-------|--------|

M:\Projects\HONEYWELL SA-5 Design\Figure - Legal Utility Corridor Current.dwg Tue, 12 Jul 2011 - 4:30pm rjriquier



APPENDIX C

EXCAVATION DOCUMENTATION

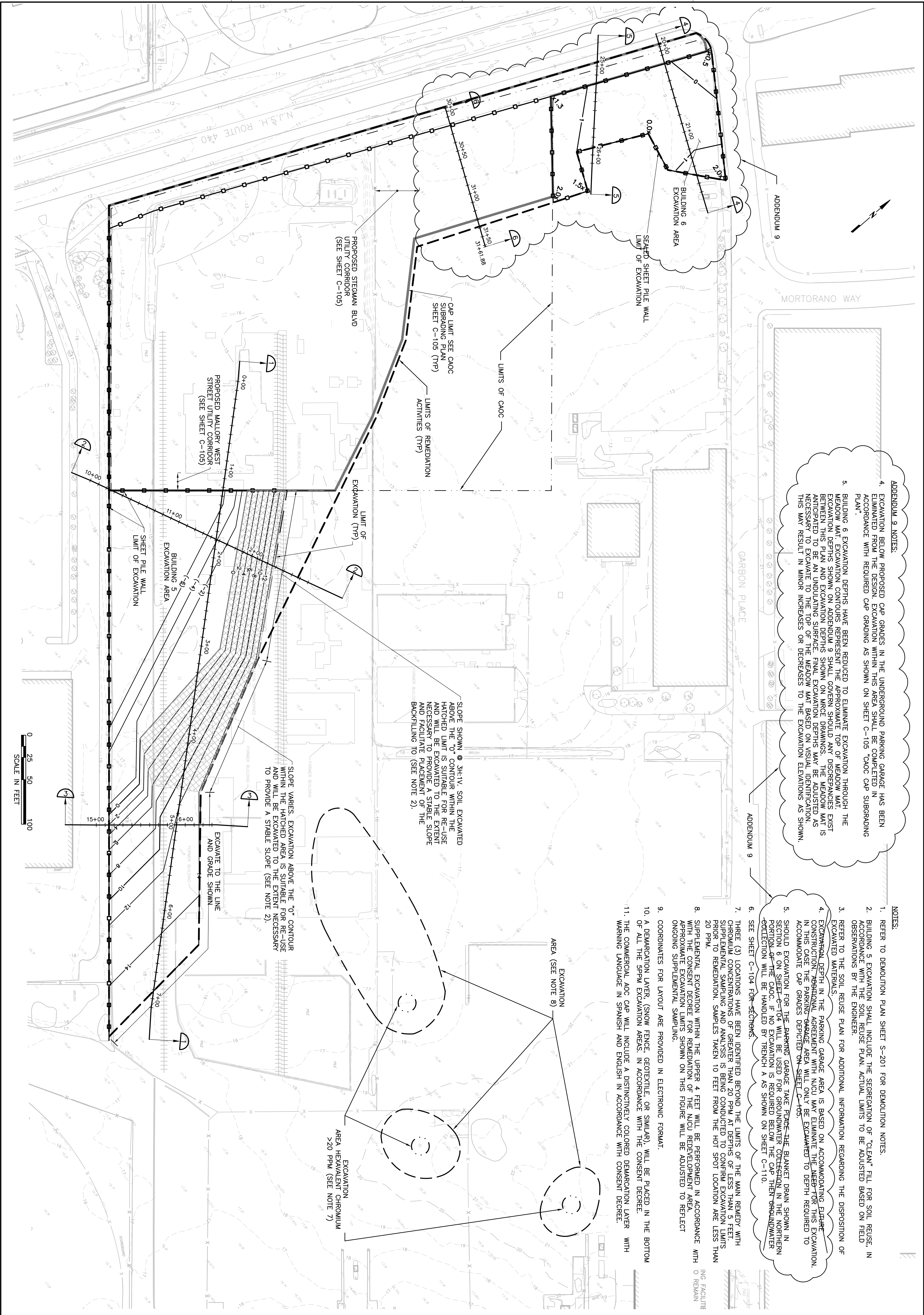
STUDY AREA 5 REMEDIAL ACTION REPORT

FORMER BALDWIN STEEL SITE (NJDEP SITE 090)

FORMER MI HOLDINGS SITE (NJDEP SITE 184)

PORTION OF FORMER MORRIS CANAL SITE (NJDEP SITE 153 NORTHERN SEGMENT)

JERSEY CITY, NEW JERSEY



ADDENDUM 9 NOTES:

4. EXCAVATION BELOW PROPOSED CAP GRADES IN THE UNDERGROUND PARKING GARAGE HAS BEEN ELIMINATED FROM THE DESIGN EXCAVATION WITHIN THIS AREA SHALL BE COMPLETED IN ACCORDANCE WITH REQUIRED CAP GRADING AS SHOWN ON SHEET C-105 "CAOC CAP SUBGRADING PLAN".

5. BUILDING 6 EXCAVATION DEPTHS HAVE BEEN REDUCED TO ELIMINATE EXCAVATION THROUGH THE MEADOW MAT. EXCAVATION CONTOURS REPRESENT THE APPROXIMATE TOP OF MEADOW MAT. EXCAVATION DEPTHS SHOWN ON ADDENDUM 9 SHALL GOVERN SHOULD ANY DISCREPANCIES EXIST BETWEEN THIS PLAN AND EXCAVATION DEPTHS SHOWN ON MISC DRAWINGS. THE MEADOW MAT IS ANTICIPATED TO BE AN UNDULATING SURFACE. FINAL EXCAVATION DEPTHS MAY BE ADJUSTED AS NECESSARY TO EXCAVATE TO THE TOP OF THE MEADOW MAT BASED ON VISUAL IDENTIFICATION. THIS MAY RESULT IN MINOR INCREASES OR DECREASES TO THE EXCAVATION ELEVATIONS AS SHOWN.

NOTES:

1. REFER TO DEMOLITION PLAN SHEET S-201 FOR DEMOLITION NOTES.

2. BUILDING 5 EXCAVATION SHALL INCLUDE THE SEGREGATION OF "CLEAN" FILL FOR SOIL REUSE. IN ACCORDANCE WITH THE SOIL REUSE PLAN. ACTUAL LIMITS TO BE ADJUSTED BASED ON FIELD OBSERVATIONS BY THE ENGINEER.

3. REFER TO THE SOIL REUSE PLAN FOR ADDITIONAL INFORMATION REGARDING THE DISPOSITION OF EXCAVATED MATERIALS.

4. EXCAVATION DEPTH IN THE PARKING GARAGE AREA IS BASED ON ACCOMMODATING FUTURE CONSTRUCTION. ADDITIONAL AGREEMENT WITH NJCU MAY ELIMINATE THE NEED FOR THIS EXCAVATION. IN THIS CASE THE PARKING GARAGE AREA WILL ONLY BE EXCAVATED TO DEPTH REQUIRED TO ACCOMMODATE CAP GRADES DEPICTED ON SHEET C-105.

5. SHOULD EXCAVATION FOR THE PARKING GARAGE TAKE PLACE THE BLANKET DRAIN SHOWN IN SECTION 6 ON SHEET C-104 WILL BE USED FOR GROUNDWATER COLLECTION IN THE NORTHERN PORTION OF THE CAOC. IF NO EXCAVATION IS REQUIRED BELOW THE CAP THEN GROUNDWATER COLLECTION WILL BE HANDLED BY TRENCH A AS SHOWN ON SHEET C-110.

6. SEE SHEET C-104 FOR SECTIONS.

7. THREE (3) LOCATIONS HAVE BEEN IDENTIFIED BEYOND THE LIMITS OF THE MAIN REMEDY WITH CHROMIUM CONCENTRATIONS OF GREATER THAN 20 PPM AT DEPTHS OF LESS THAN 5 FEET. SUPPLEMENTAL SAMPLING AND ANALYSIS IS BEING CONDUCTED TO CONFIRM EXCAVATION LIMITS PRIOR TO REMEDIATION. SAMPLES TAKEN 10 FEET FROM THE HOT SPOT LOCATION ARE LESS THAN 20 PPM.

8. SUPPLEMENTAL EXCAVATION WITHIN THE UPPER 4 FEET WILL BE PERFORMED IN ACCORDANCE WITH THE CONSENT DECREE FOR REMEDIATION OF THE NJCU REDEVELOPMENT AREA. APPROXIMATE EXCAVATION LIMITS SHOWN ON THIS FIGURE WILL BE ADJUSTED TO REFLECT ONGOING SUPPLEMENTAL SAMPLING.

9. COORDINATES FOR LAYOUT ARE PROVIDED IN ELECTRONIC FORMAT.

10. A DEMARCATION LAYER, (SNOW FENCE, GEOTEXTILE, OR SIMILAR) WILL BE PLACED IN THE BOTTOM OF ALL THE SHPM EXCAVATION AREAS. IN ACCORDANCE WITH THE CONSENT DECREE.

11. THE COMMERCIAL AOC CAP WILL INCLUDE A DISTINCTIVELY COLORED DEMARCATION LAYER WITH WARNING LANGUAGE IN SPANISH AND ENGLISH IN ACCORDANCE WITH CONSENT DECREE.

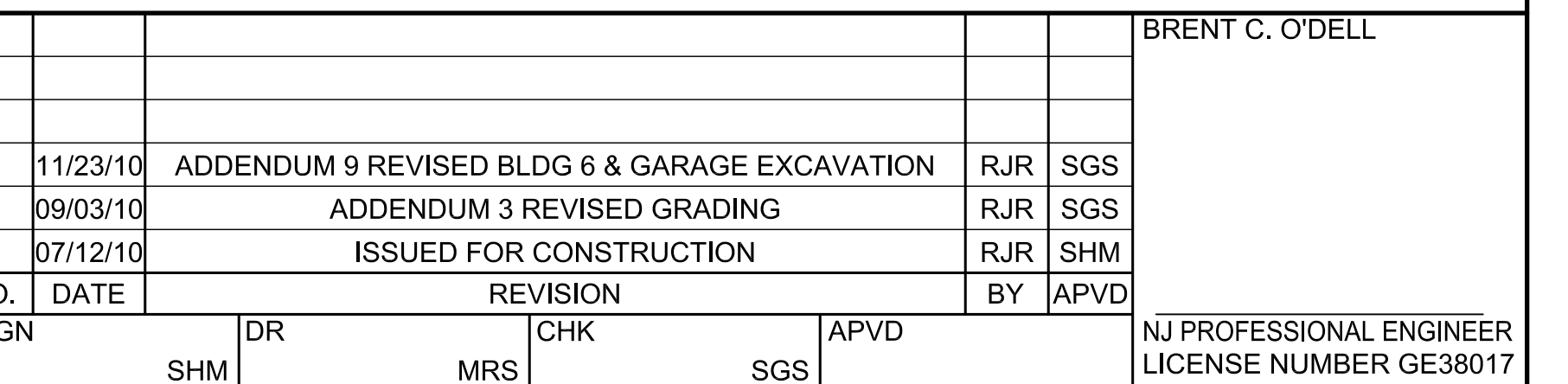
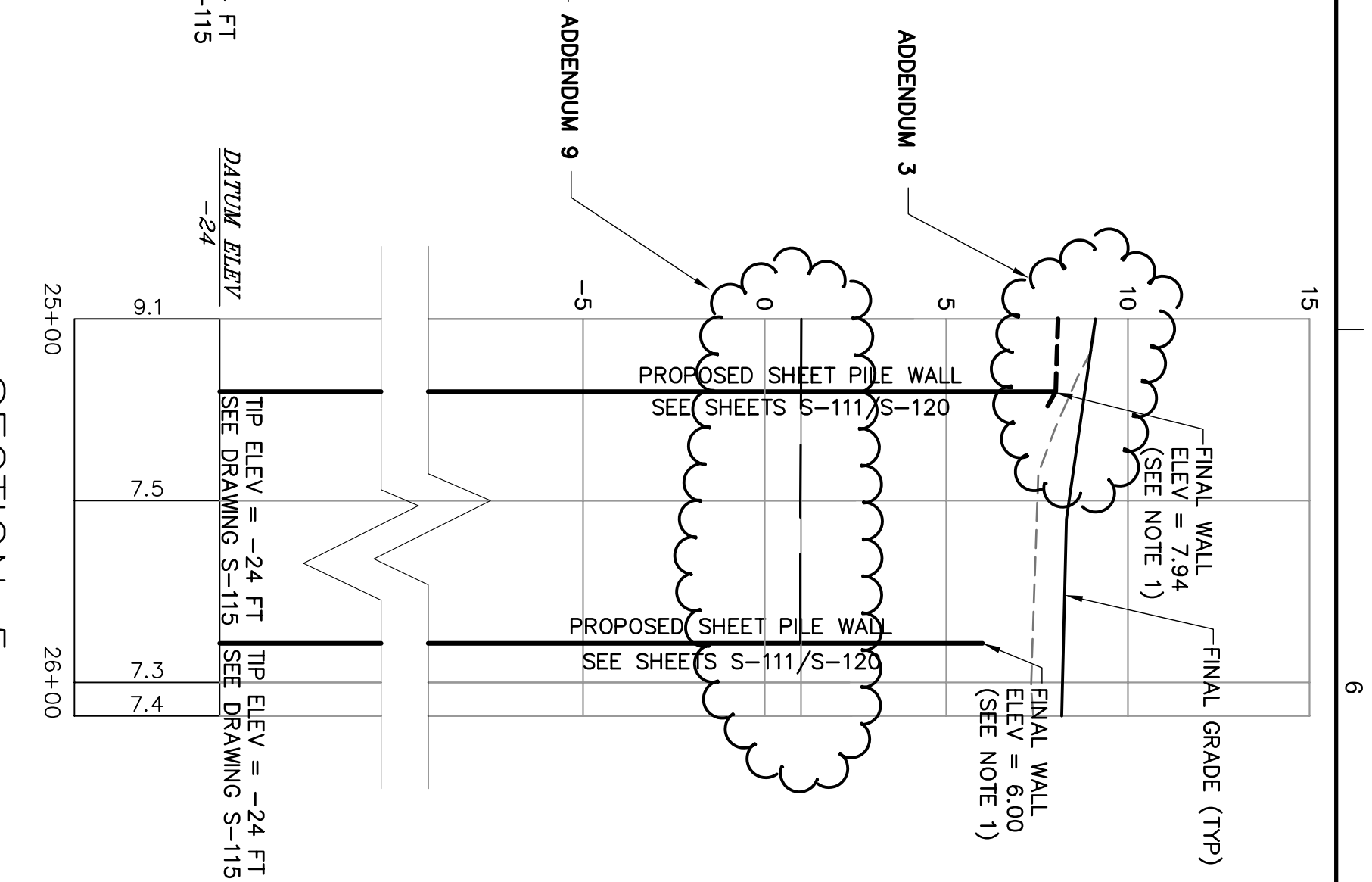
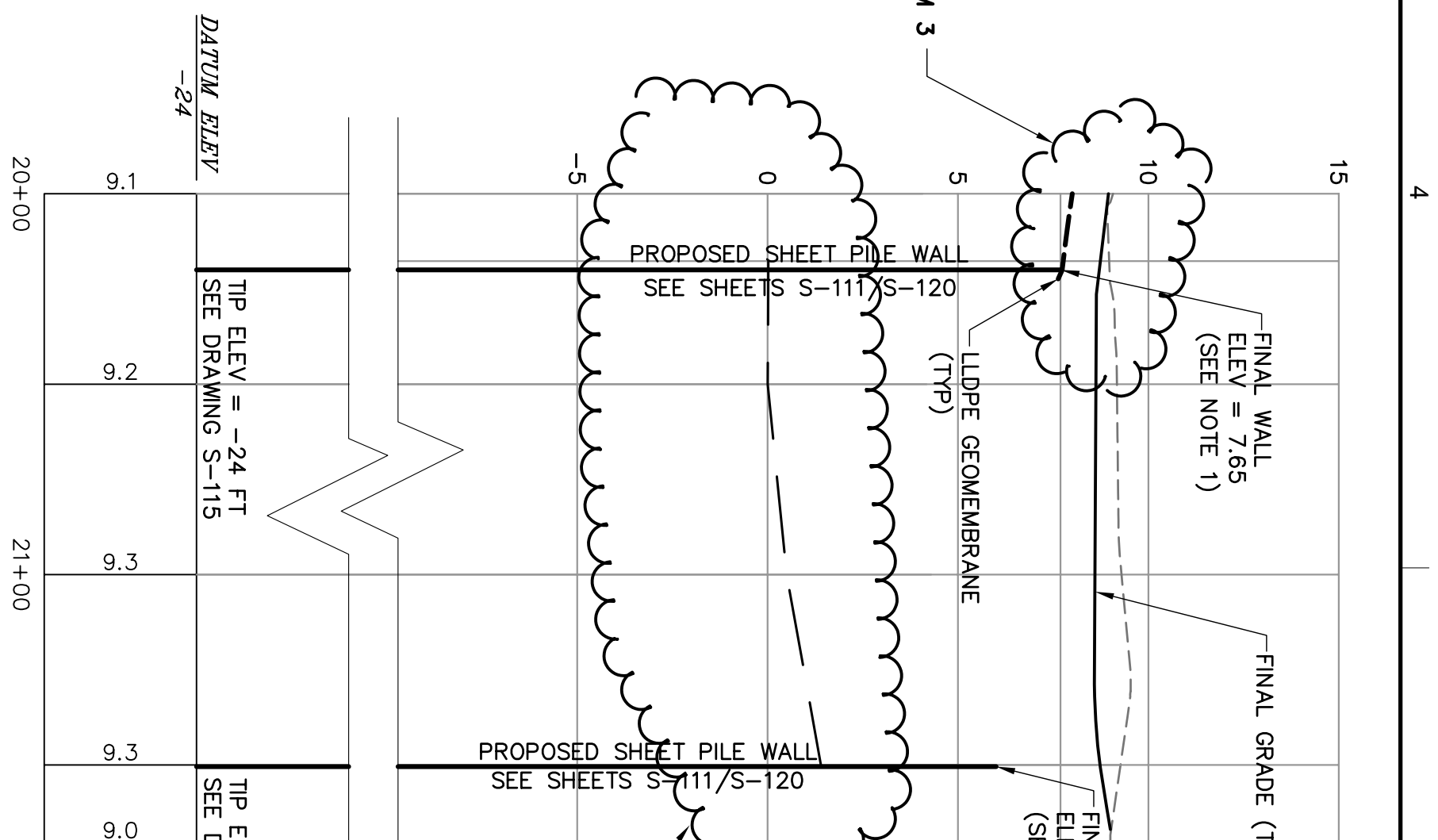
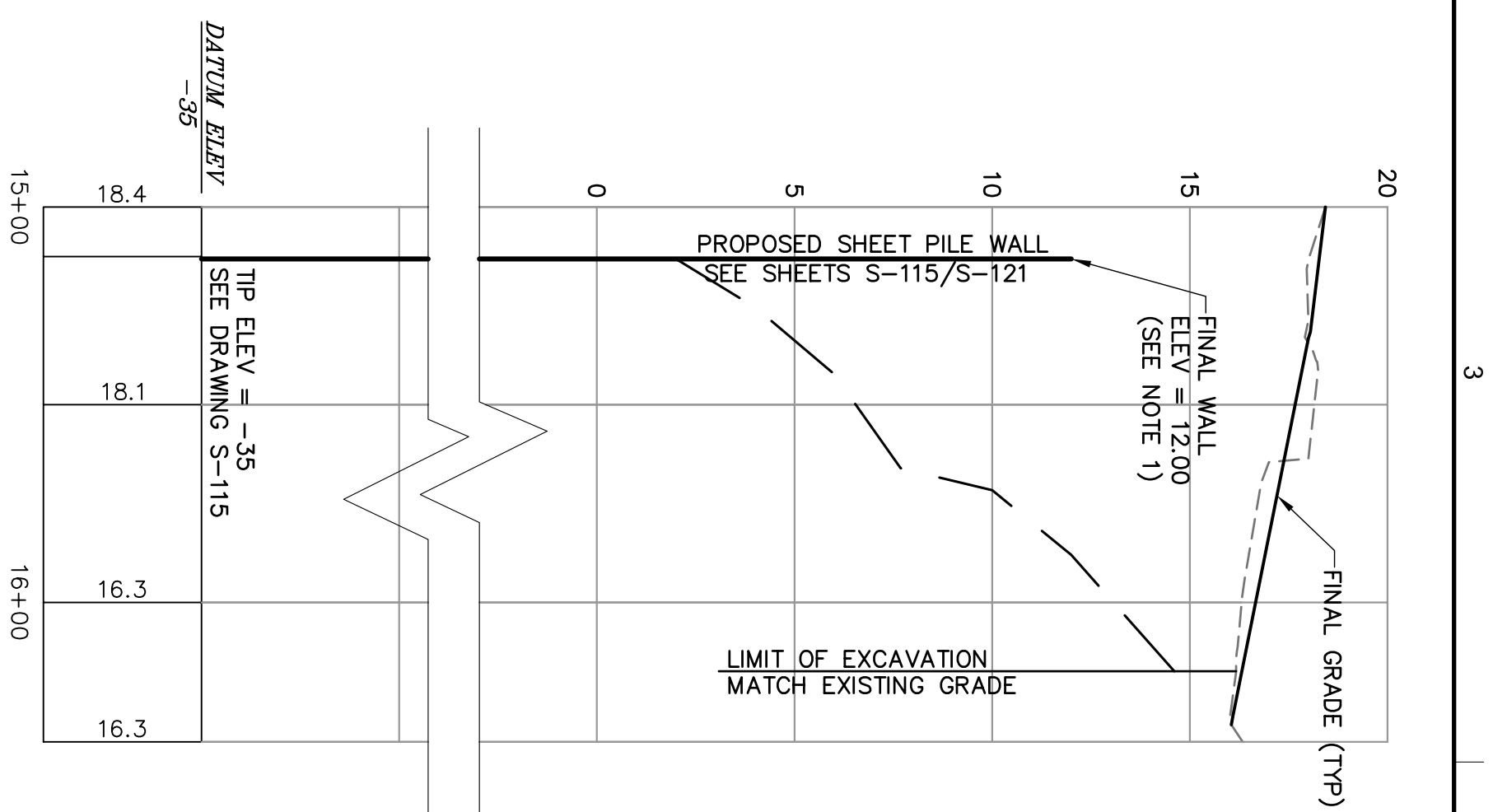
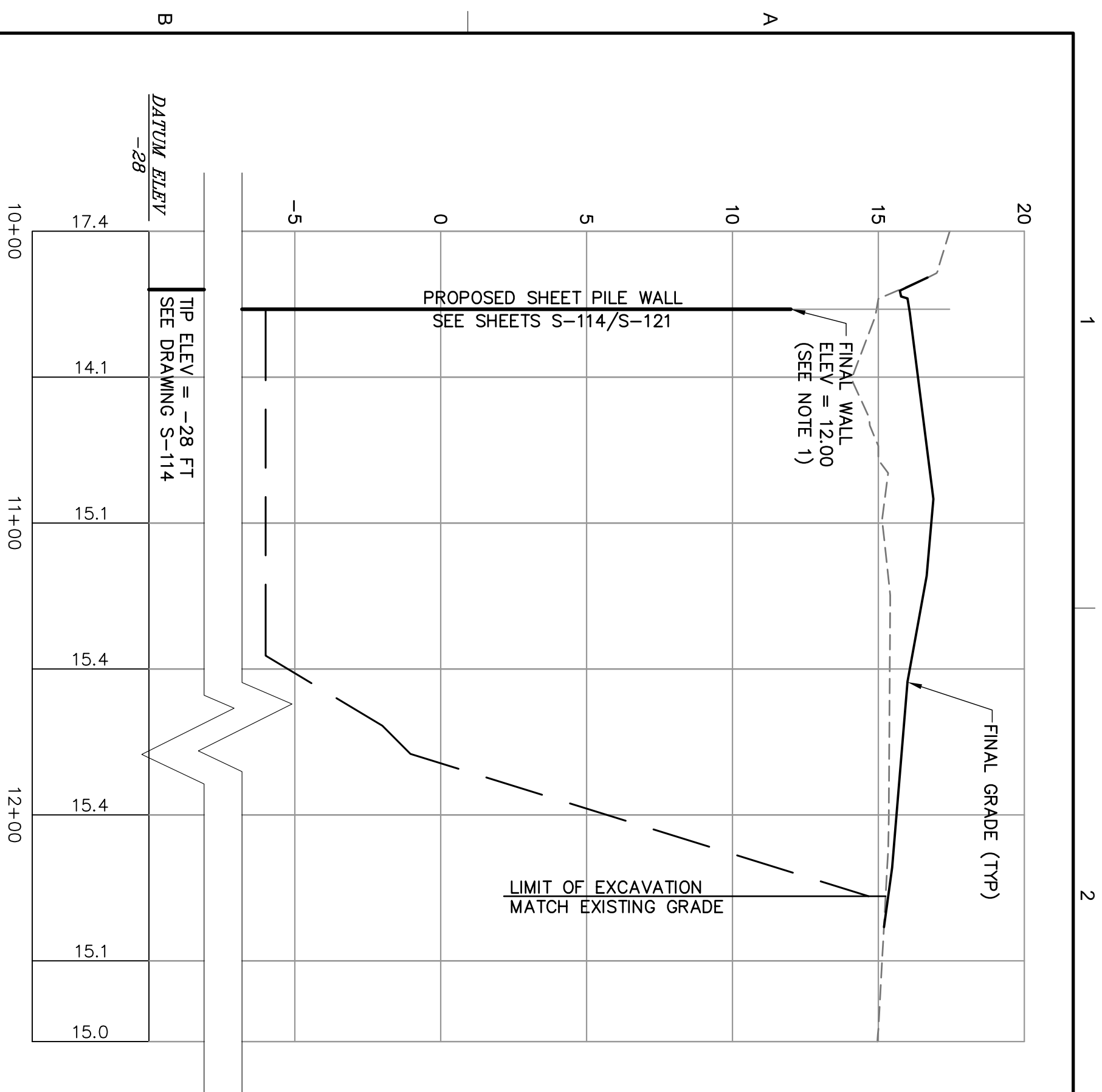
SLOPE SHOWN @ 3H:1V. SOIL EXCAVATED ABOVE THE "0" CONTOUR WITHIN THE HATCHED LIMIT IS SUITABLE FOR RE-USE AND WILL BE EXCAVATED TO THE EXTENT NECESSARY TO PROVIDE A STABLE SLOPE AND FACILITATE PLACEMENT OF THE BACKFILLING TO (SEE NOTE 2).

SLOPE VARIES. EXCAVATION ABOVE THE "0" CONTOUR WITHIN THE HATCHED AREA IS SUITABLE FOR RE-USE AND WILL BE EXCAVATED TO THE EXTENT NECESSARY TO PROVIDE A STABLE SLOPE (SEE NOTE 2).

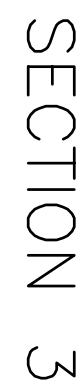
EXCAVATION AREA HEAVY METAL CHROMIUM >20 PPM (SEE NOTE 7)



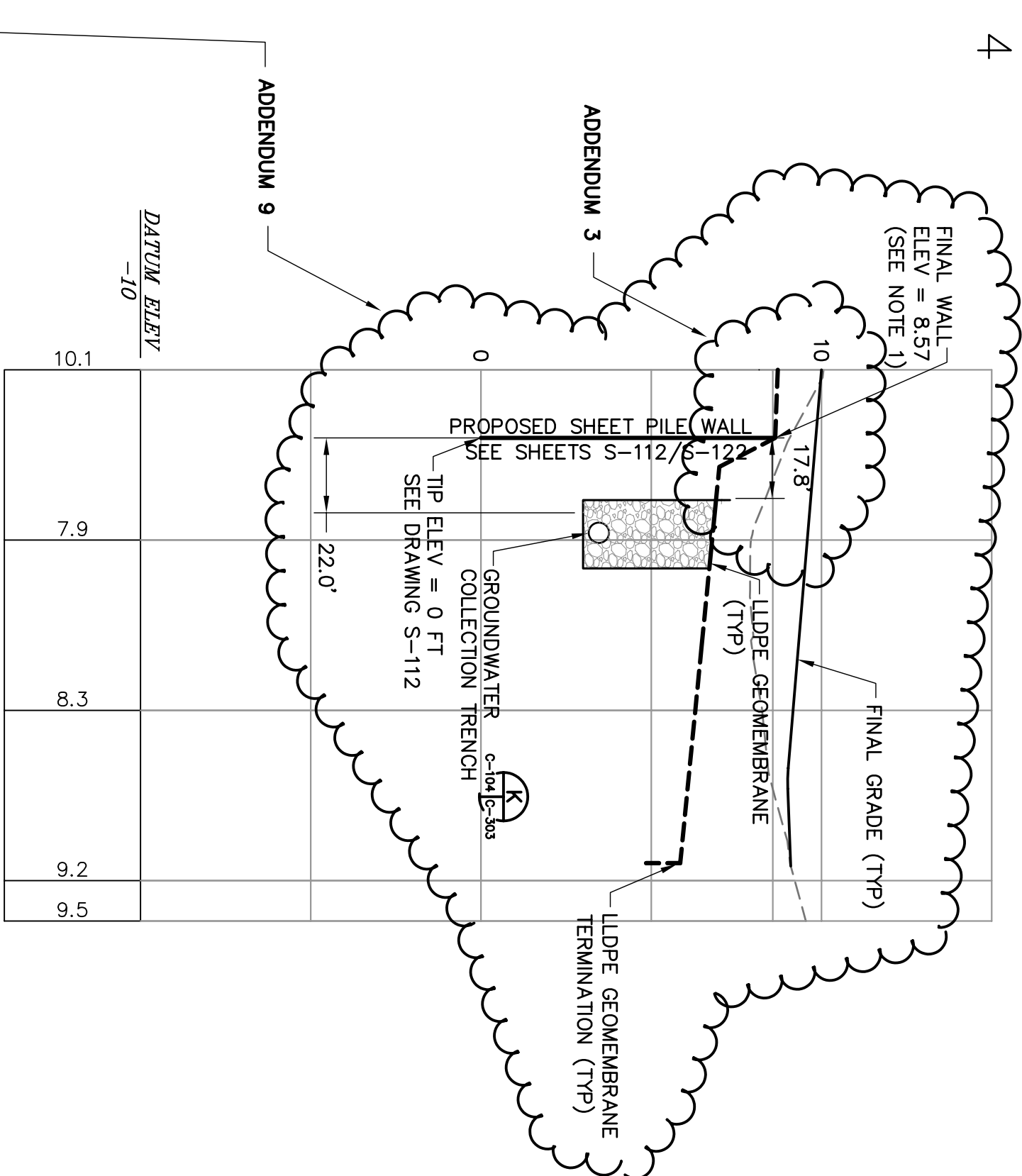
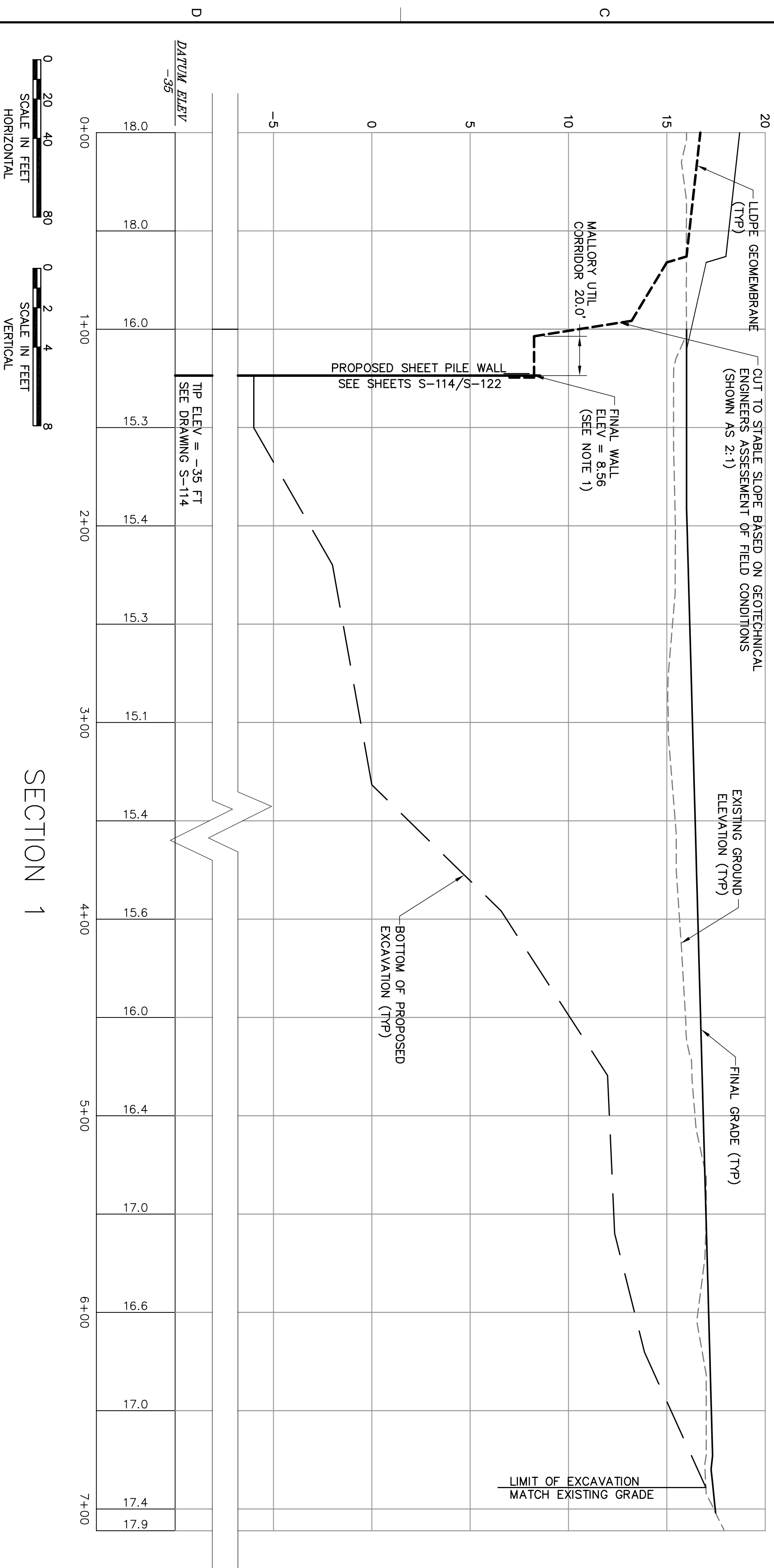
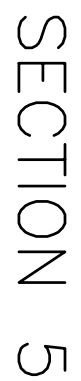
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|---------------|--|----------------------|--|---------------|--|--------------|--|---|--|--|--|-------------------------------|--|---|--|---|--|---|--|--|--|---|--|
| DATE 06/10/10 | | PROJECT 3480-06-0208 | | DRAWING C-103 | | SHEET 5 OF 5 | | VERIFY SCALE BARS ONE INCH ON ORIGINAL DRAWING. 0 | | MACTEC Engineering and Consulting, Inc. 200 American Metro Blvd, Suite 113 Hamilton, New Jersey 08619 (609) 689-2829 NJ Certificate of Authorization Number 24GA28043300 | | CIVIL SOIL EXCAVATION PLAN | | Honeywell 101 COLUMBIA RD., BOX 2105 MORRISTOWN, NJ 07962 | | FINAL DESIGN STUDY AREA 5 - SITE 090, 184 AND 153 JERSEY CITY, NEW JERSEY HONEYWELL SITE ID - 37288, 37811 & 37460 | | 1 11/23/10 ADDENDUM 9 REVISED BLDG 6 & GARAGE EXCAVATION L 07/12/10 ISSUED FOR CONSTRUCTION K 06/10/10 ISSUED FOR NJDEP SUBMITTAL J 05/19/10 PERMIT SUBMITTAL I 05/06/10 ISSUED FOR THIRD PARTY REVIEW H 04/23/10 ISSUED FOR CLIENT REVIEW NO. DATE REVISION DSGN SHM MRS SGS APVD | | RJR SHM RJR SHM RJR SHM RJR SHM RJR SHM BY APVD | | BRENT C. O'DELL NJ PROFESSIONAL ENGINEER LICENSE NUMBER GE38017 | |
|---------------|--|----------------------|--|---------------|--|--------------|--|---|--|--|--|-------------------------------|--|---|--|---|--|---|--|--|--|---|--|



SECTION 2




SECTION 4

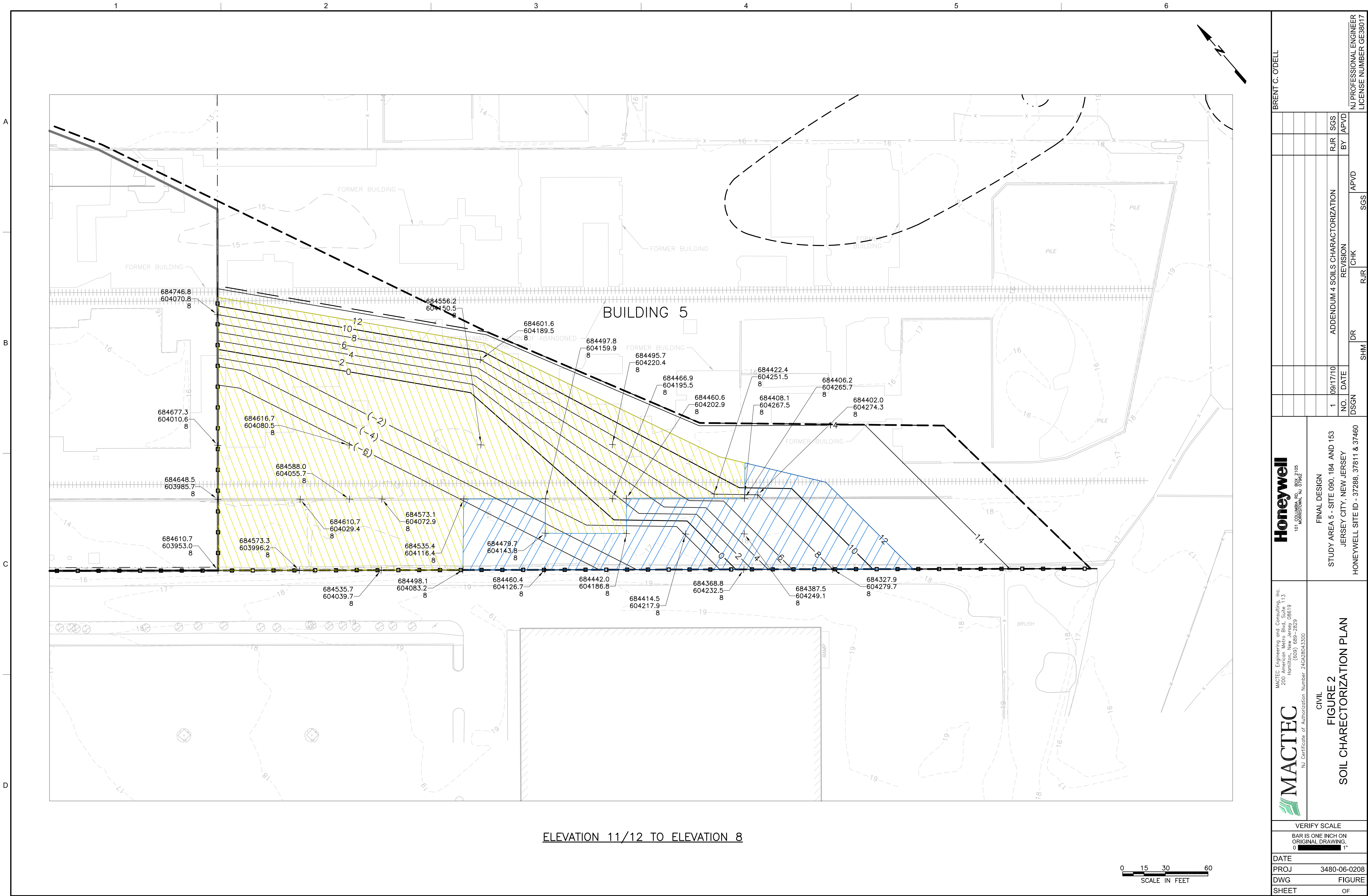


SECTION 6

1. REFER TO LEGEND, ABBREVIATIONS, AND GENERAL NOTES ON SHEET G-002.
2. ~~BUILDING 6 GARAGE EXCAVATION, INSTALL A MAXIMUM THREE FOOT LAYER OF GRAVEL BRIDGING MATERIAL TO BE SURROUNDED WITH GEOTEXTILE ON ALL SIDES. SEE DETAIL A SHEET G-303.~~
3. REFER TO SHEETS S-110 THRU S-115 FOR COMPLETE SHEET PILE DESIGN, BRACING, AND TIP ELEVATIONS.
4. IN THE EVENT OF SOFT/UNSTABLE CONDITIONS AT THE BOTTOM OF BUILDING 5 AND 6 EXCAVATIONS, THE CONTRACTOR WILL EITHER Dewater TO PROVIDE STABLE CONDITIONS, OR ALTERNATELY INSTALL A GEOTEXTILE AND GRAVEL BRIDGING LIFT CONSISTENT WITH THE BRIDGING LIFT SPECIFICATIONS AS PROPOSED FOR THE GARAGE AREA.

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APPENDIX D

BACKFILL DOCUMENTATION

STUDY AREA 5 REMEDIAL ACTION REPORT

FORMER BALDWIN STEEL SITE (NJDEP SITE 090)

FORMER MI HOLDINGS SITE (NJDEP SITE 184)

FORMER MORRIS CANAL SITE (NJDEP SITE 153)

JERSEY CITY, NEW JERSEY

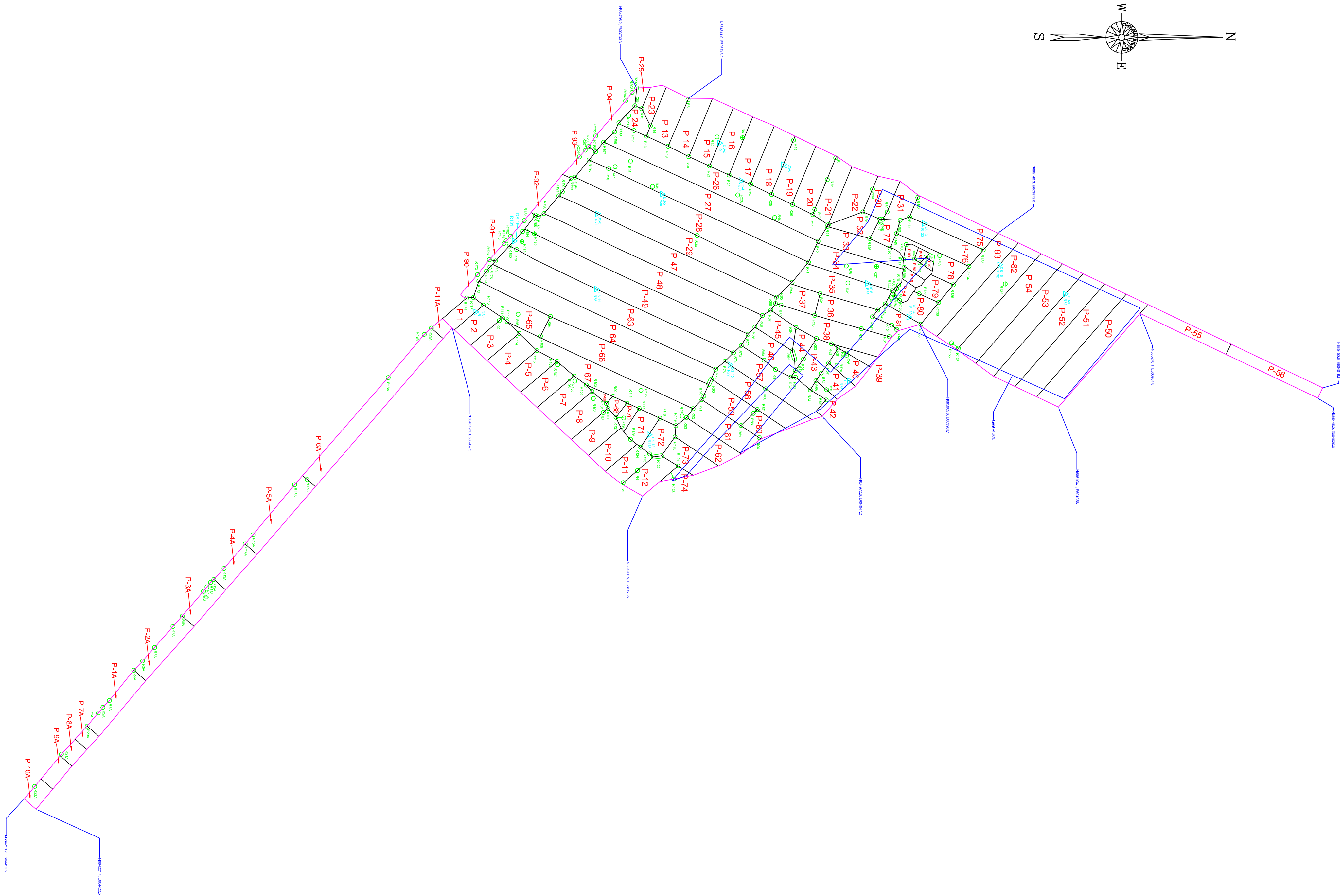
APPENDIX E

TRANSPORTATION, TREATMENT, & DISPOSAL DOCUMENTATION

STUDY AREA 5 REMEDIAL ACTION REPORT
FORMER BALDWIN STEEL SITE (NJDEP SITE 090)
FORMER MI HOLDINGS SITE (NJDEP SITE 184)
FORMER MORRIS CANAL SITE (NJDEP SITE 153)
JERSEY CITY, NEW JERSEY

APPENDIX F
CAP DOCUMENTATION

STUDY AREA 5 REMEDIAL ACTION REPORT
FORMER BALDWIN STEEL SITE (NJDEP SITE 090)
FORMER MI HOLDINGS SITE (NJDEP SITE 184)
PORTION OF FORMER MORRIS CANAL SITE (NJDEP SITE 153 NORTHERN SEGMENT)
JERSEY CITY, NEW JERSEY



LEGEND

P-#

PANEL IDENTIFICATION NUMBER

APPROXIMATE LOCATION OF LINER LIMIT

APPROXIMATE GCL LIMIT

REPAIR LOCATION

DESTRUCT LOCATION

CHENANGO CONTRACTING, INC.

29 ARBUTUS RD, JOHNSON CITY, NY 13790

TEL. (607) 729-8500 FAX (607) 729-2415

REPAIR LOG

PROJECT NAME: Honywell/Jersey City
PROJECT NUMBER: 10039

QC REP.: PRM
MATERIAL: 40ML LL T/T Solmax

| REPAIR # | DEFECT CODE* | REPAIR DATE | TECH ID | LOCATION | | | REPAIR TYPE* | SIZE (ft x ft) | VACUUM TEST | |
|----------|--------------|-------------|---------|----------------|-------------|------------|--------------|----------------|-------------|---------|
| | | | | Seam/Panel | Offset #1 | Offset #2 | | | P/F | DATE |
| R 1 | DS-1 | 12/2/10 | SB | 1 / 2 | 10' F WEOS | | Patch | 2X4 | PASS | 12/2/10 |
| R 2 | BO | 12/2/10 | SB | 2 / 3 | 2' F WEOS | | Patch | 2X2 | PASS | 12/2/10 |
| R 3 | RO | 12/2/10 | SB | 8 / 9 | 6' F WEOS | | Patch | 2X2 | PASS | 12/2/10 |
| R 4 | BO | 12/2/10 | SB | 11 / 12 | 20' F WEOS | | Patch | 2X2 | PASS | 12/2/10 |
| R 5 | BO | 12/2/10 | SB | 11 / 12 | EEOS | | Patch | 2X2 | PASS | 12/2/10 |
| R 6 | BO | 4/22/11 | LV | 13 / 14 | WEOS | | Patch | 2X2 | PASS | 4/22/11 |
| R 7 | DS-2 | 4/22/11 | LV | 15 / 16 | 40' F WEOS | | Patch | 2X5 | PASS | 4/22/11 |
| R 8 | PB-1 | 4/22/11 | LV | 16 | 23' F WEOP | 4' F NEOP | Boot | 4X4 | PASS | 4/22/11 |
| R 9 | DS-3 | 4/22/11 | LV | 18 / 19 | 30' F WEOS | | Patch | 2X5 | PASS | 4/22/11 |
| R 10 | BO | 4/22/11 | LV | 18 / 19 | WEOS | | Patch | 2X12 | PASS | 4/22/11 |
| R 11 | PT | 4/22/11 | LV | 20 / 21 | WEOS | | Patch | 2X2 | PASS | 4/22/11 |
| R 12 | PT | 4/22/11 | LV | 20 / 21 | 25' F WEOS | | Patch | 1X1 | PASS | 4/22/11 |
| R 13 | PT | 4/22/11 | LV | 20 / 21 | EEOS | | Patch | 2X12 | PASS | 4/22/11 |
| R 14 | SG | 4/22/11 | LV | 15 | 40' F WEOP | 3' F NEOP | Patch | 1X1 | PASS | 4/22/11 |
| R 15 | T | 4/27/11 | BB | 23 / 24 / 25 | | | Patch | 3X3 | PASS | 4/27/11 |
| R 16 | T | 4/27/11 | BB | 13 / 23 / 24 | | | Patch | 1X3 | PASS | 4/27/11 |
| R 17 | BO | 4/27/11 | BB | 24 / 26 | 21' F SEOS | | Patch | 1X2 | PASS | 4/27/11 |
| R 18 | T | 4/27/11 | BB | 13 / 24 / 26 | | | Patch | 1X5 | PASS | 4/27/11 |
| R 19 | T | 4/27/11 | BB | 13 / 14 / 26 | | | Patch | 2X2 | PASS | 4/27/11 |
| R 20 | T | 4/27/11 | BB | 14 / 15 / 26 | | | Patch | 2X2 | PASS | 4/27/11 |
| R 21 | T | 4/27/11 | BB | 15 / 16 / 26 | | | Patch | 2X2 | PASS | 4/27/11 |
| R 22 | T | 4/27/11 | BB | 16 / 17 / 26 | | | Patch | 1X5 | PASS | 4/27/11 |
| R 23 | DS-4 | 4/27/11 | BB | 17 / 26 | 10' F NEOS | | Patch | 2X5 | PASS | 4/27/11 |
| R 24 | T | 4/27/11 | BB | 17 / 18 / 26 | | | Patch | 2X2 | PASS | 4/27/11 |
| R 25 | T | 4/27/11 | BB | 18 / 19 / 26 | | | Patch | 2X2 | PASS | 4/27/11 |
| R 26 | T | 4/27/11 | BB | 19 / 20 / 26 | | | Patch | 2X2 | PASS | 4/27/11 |
| R 27 | T | 4/27/11 | BB | 20 / 21 / 26 | | | Patch | 2X2 | PASS | 4/27/11 |
| R 28 | BO | 4/27/11 | BB | 27 / 28 | 27' F SEOS | | Patch | 1X4 | PASS | 4/27/11 |
| R 29 | DS-5 | 4/27/11 | BB | 27 / 28 | 75' F SEOS | | Patch | 2X4 | PASS | 4/27/11 |
| R 30 | BO | 4/27/11 | BB | 28 / 29 | 140' F SEOS | | Patch | 2X4 | PASS | 4/27/11 |
| R 31 | ADDON | 4/27/11 | BB | 36 / 38 | WEOS | | Patch | 6X18 | PASS | 4/27/11 |
| R 32 | BO | 4/27/11 | BB | 36 / 38 | 48' F SEOS | | Patch | 1X12 | PASS | 4/27/11 |
| R 33 | T | 4/27/11 | BB | 36 / 37 / 38 | | | Patch | 2X2 | PASS | 4/27/11 |
| R 34 | T | 4/27/11 | BB | 35 / 36 / 37 | | | Patch | 2X2 | PASS | 4/27/11 |
| R 35 | SG | 4/27/11 | BB | 34 | 35' F SEOP | 10' F EEOP | Patch | 2X2 | PASS | 4/27/11 |
| R 36 | DS-6 | 4/27/11 | BB | 34 / 35 | 25' F SEOS | | Patch | 2X5 | PASS | 4/27/11 |
| R 37 | PB-2 | 4/27/11 | BB | 34 | 62' F SEOP | 3' F WEOP | Boot | 8X8 | PASS | 4/27/11 |
| R 38 | T | 4/27/11 | BB | 22 / 30 / 32 | | | Patch | 3X6 | PASS | 4/27/11 |
| R 39 | BO | 4/27/11 | BB | 30 / 31 | 29' F WEOS | | Patch | 1X2 | PASS | 4/27/11 |
| R 40 | BO | 4/27/11 | BB | 22 / 30 | 12' F WEOS | | Patch | 2X5 | PASS | 4/27/11 |
| R 41 | T | 4/27/11 | BB | 21/22/26/32/33 | | | Patch | 7X10 | PASS | 4/27/11 |
| R 42 | T | 4/27/11 | BB | 27 / 33 / | ENTIRE | SEAM | Patch | 2X6 | PASS | 4/27/11 |
| R 43 | T | 4/27/11 | BB | 28 / 34 / | ENTIRE | SEAM | Patch | 3X11 | PASS | 4/27/11 |

CHENANGO CONTRACTING, INC.

29 ARBUTUS RD, JOHNSON CITY, NY 13790

TEL. (607) 729-8500 FAX (607) 729-2415

REPAIR LOG

PROJECT NAME: Honywell/Jersey City
PROJECT NUMBER: 10039

QC REP.: PRM
MATERIAL: 40ML LL T/T Solmax

| REPAIR # | DEFECT CODE* | REPAIR DATE | TECH ID | LOCATION | | | REPAIR TYPE* | SIZE (ft x ft) | VACUUM TEST | |
|----------|--------------|-------------|---------|--------------|-------------|-----------|--------------|----------------|-------------|---------|
| | | | | Seam/Panel | Offset #1 | Offset #2 | | | P/F | DATE |
| R 44 | T | 4/27/11 | BB | 29 / 35 / | ENTIRE | SEAM | Patch | 2X7 | PASS | 4/27/11 |
| R 45 | BEAD | 4/27/11 | BB | 27 | 73' F SEOP | 1' F EEOP | Patch | 1 | PASS | 4/27/11 |
| R 46 | SG | 4/27/11 | BB | 27 | 37' F SEOP | 6' F WEOP | Patch | 1X1 | PASS | 4/27/11 |
| R 47 | SG | 4/27/11 | BB | 27 | 31' F SEOP | 4' F EEOP | Patch | 1X1 | PASS | 4/27/11 |
| R 48 | SG | 4/27/11 | BB | 26 | 187' F SEOP | 1' F EEOP | Patch | 1X1 | PASS | 4/27/11 |
| R 49 | SG | 4/27/11 | BB | 35 | 40' F SEOP | 5' F WEOP | Patch | 1X1 | PASS | 4/27/11 |
| R 50 | RO | 4/27/11 | BB | 37 / 38 | 8' F SEOS | | Patch | 2X5 | PASS | 4/29/11 |
| R 51 | T | 4/29/11 | BB | 44 / 45 / 46 | | | Patch | 2X10 | PASS | 4/29/11 |
| R 52 | RO | 4/29/11 | BB | 43 / 44 | 13' F EEOS | | Patch | 2X6 | PASS | 4/29/11 |
| R 53 | T | 4/29/11 | BB | 43 / 44 / 46 | | | Patch | 2X5 | PASS | 4/29/11 |
| R 54 | RO | 4/29/11 | BB | 41 / 43 | 11' F EEOS | | Patch | 2X4 | PASS | 4/29/11 |
| R 55 | T | 4/29/11 | BB | 41 / 42 / 43 | | | Patch | 2X2 | PASS | 4/29/11 |
| R 56 | DS-7 | 4/29/11 | BB | 40 / 41 | 8' F NEOS | | Patch | 2X4 | PASS | 4/29/11 |
| R 57 | T | 4/29/11 | BB | 40 / 41 / 43 | | | Patch | 2X3 | PASS | 4/29/11 |
| R 58 | BO | 4/29/11 | BB | 41 / 42 | 14' F SEOS | | Patch | 1X1 | PASS | 4/29/11 |
| R 59 | EE | 4/29/11 | BB | 40 | 25' F NEOP | 2' F WEOP | Patch | 1X1 | PASS | 4/29/11 |
| R 60 | PT | 5/5/11 | BB | 39 / 40 | 27' F NEOS | | Patch | 2X3 | PASS | 5/5/11 |
| R 61 | T | 5/5/11 | BB | 39 / 40 / 43 | | | Patch | 2X3 | PASS | 5/5/11 |
| R 62 | T | 5/5/11 | BB | 38 / 39 / 43 | | | Patch | 2X3 | PASS | 5/5/11 |
| R 63 | T | 5/5/11 | BB | 38 / 43 / 44 | | | Patch | 2X3 | PASS | 5/5/11 |
| R 64 | T | 5/5/11 | BB | 38 / 44 / 45 | | | Patch | 4X4 | PASS | 5/5/11 |
| R 65 | T | 5/5/11 | BB | 29 / 37 / 47 | | | Patch | 2X5 | PASS | 5/5/11 |
| R 66 | T | 5/5/11 | BB | 37 / 38 / 47 | | | Patch | 3X4 | PASS | 5/5/11 |
| R 67 | T | 5/5/11 | BB | 38 / 45 / 47 | | | Patch | 4X12 | PASS | 5/5/11 |
| R 68 | T | 5/5/11 | BB | 45 / 47 / 48 | | | Patch | 2X2 | PASS | 5/5/11 |
| R 69 | T | 5/5/11 | BB | 45 / 46 / 48 | | | Patch | 2X3 | PASS | 5/5/11 |
| R 70 | T | 5/5/11 | BB | 46 / 48 / 49 | | | Patch | 2X2 | PASS | 5/5/11 |
| R 71 | DS-8 | 5/5/11 | BB | 29 / 47 | 50' F SEOS | | Patch | 2X4 | PASS | 5/5/11 |
| R 72 | DS-9 | 5/3/11 | BB | 52 / 53 | 30' F WEOS | | Patch | 2X5 | PASS | 5/3/11 |
| R 73 | T | 5/6/11 | BB | 46 / 49 / 57 | | | Patch | 3X3 | PASS | 5/9/11 |
| R 74 | T | 5/6/11 | BB | 49 / 57 / 63 | | | Patch | 2X2 | PASS | 5/9/11 |
| R 75 | T | 5/6/11 | BB | 57 / 58 / 63 | | | Patch | 2X2 | PASS | 5/9/11 |
| R 76 | T | 5/6/11 | BB | 58 / 63 / 64 | | | Patch | 2X2 | PASS | 5/9/11 |
| R 77 | DS-10 | 5/6/11 | BB | 57 / 58 | 5' F SEOS | | Patch | 2X4 | PASS | 5/9/11 |
| R 78 | DS-11 | 5/6/11 | BB | 49 / 63 | 90' F SEOS | | Patch | 2X4 | PASS | 5/9/11 |
| R 79 | BO | 5/6/11 | BB | 49 / 63 | 7' F SEOS | | Patch | 2X3 | PASS | 5/9/11 |
| R 80 | BO | 5/6/11 | BB | 46 / 57 | 28' F SEOS | | Patch | 2X2 | PASS | 5/9/11 |
| R 81 | RO | 5/6/11 | BB | 46 / 57 | 44' F SEOS | | Patch | 2X8 | PASS | 5/9/11 |
| R 82 | T | 5/6/11 | BB | 43 / 46 / 57 | | | Patch | 2X2 | PASS | 5/9/11 |
| R 83 | BO | 5/6/11 | BB | 43 / 57 | 5' F SEOS | | Patch | 2X3 | PASS | 5/9/11 |
| R 84 | T | 5/6/11 | BB | 42 / 43 / 57 | | | Patch | 2X4 | PASS | 5/9/11 |
| R 85 | PT | 5/6/11 | BB | 42 / 57 | 20' F SEOS | | Patch | 2X2 | PASS | 5/9/11 |
| R 86 | RO | 5/6/11 | BB | 57 / 58 | 50' F SEOS | | Patch | 3X6 | PASS | 5/9/11 |

CHENANGO CONTRACTING, INC.

29 ARBUTUS RD, JOHNSON CITY, NY 13790

TEL. (607) 729-8500 FAX (607) 729-2415

REPAIR LOG

PROJECT NAME: Honywell/Jersey City
PROJECT NUMBER: 10039

QC REP.: PRM
MATERIAL: 40ML LL T/T Solmax

| REPAIR # | DEFECT CODE* | REPAIR DATE | TECH ID | LOCATION | | | REPAIR TYPE* | SIZE (ft x ft) | VACUUM TEST | |
|----------|--------------|-------------|---------|--------------|------------|------------|--------------|----------------|-------------|---------|
| | | | | Seam/Panel | Offset #1 | Offset #2 | | | P/F | DATE |
| R 87 | T | 5/6/11 | BB | 58 / 59 / 60 | | | Patch | 2X3 | PASS | 5/9/11 |
| R 88 | BO | 5/6/11 | BB | 59 / 60 | 4' F WEOS | | Patch | 1X3 | PASS | 5/9/11 |
| R 89 | T | 5/6/11 | BB | 59 / 60 / 61 | | | Patch | 3X3 | PASS | 5/9/11 |
| R 90 | T | 5/9/11 | BB | 59 / 64 / | ENTIRE | SEAM | Patch | 4X13 | PASS | 5/9/11 |
| R 91 | T | 5/9/11 | BB | 59 / 61 / 66 | | | Patch | 1X1 | PASS | 5/9/11 |
| R 92 | T | 5/9/11 | BB | 61 / 66 / 67 | | | Patch | 2X2 | PASS | 5/9/11 |
| R 93 | T | 5/9/11 | BB | 61 / 62 / 67 | | | Patch | 2X2 | PASS | 5/9/11 |
| R 94 | T | 5/6/11 | BB | 64 / 65 / 66 | | | Patch | 2X2 | PASS | 5/9/11 |
| R 95 | PB-3 | 5/6/11 | BB | 65 | 30' F NEOP | 11' F WEOP | Boot | 4X8 | PASS | 5/9/11 |
| R 96 | PT | 5/6/11 | BB | 60 / 61 | NEOS | | Patch | 1X1 | PASS | 5/9/11 |
| R 97 | SB | 5/9/11 | BB | 67 | 11' F WEOP | 4' F NEOP | Patch | 1X1 | PASS | 5/9/11 |
| R 98 | PT | 5/6/11 | BB | 59 / 66 | 4' F EEOS | | Patch | 1X2 | PASS | 5/9/11 |
| R 99 | T | 5/9/11 | BB | 67 / 68 / 69 | | | Patch | 2X2 | PASS | 5/9/11 |
| R 100 | T | 5/9/11 | BB | 8 / 9 / 68 | | | Patch | 2X2 | PASS | 5/9/11 |
| R 101 | T | 5/9/11 | BB | 8 / 68 / 69 | | | Patch | 3X3 | PASS | 5/9/11 |
| R 102 | EE | 5/9/11 | BB | 8 | 4' F WEOP | 4' F SEOP | Patch | 1X3 | PASS | 5/9/11 |
| R 103 | T | 5/9/11 | BB | 7 / 8 / 69 | | | Patch | 2X2 | PASS | 5/9/11 |
| R 104 | T | 5/9/11 | BB | 7 / 67 / 69 | | | Patch | 4X6 | PASS | 5/9/11 |
| R 105 | EE | 5/9/11 | BB | 7 | 3' F WEOP | 3' F SEOP | Patch | 3X3 | PASS | 5/9/11 |
| R 106 | T | 5/9/11 | BB | 6 / 7 / 67 | | | Patch | 2X3 | PASS | 5/9/11 |
| R 107 | EE | 5/9/11 | BB | 6 | 2' F WEOP | 2' F SEOP | Patch | 1X2 | PASS | 5/9/11 |
| R 108 | T | 5/6/11 | BB | 5 / 6 / 67 | | | Patch | 2X2 | PASS | 5/9/11 |
| R 109 | T | 5/6/11 | BB | 65 / 66 / 67 | | | Patch | 4X5 | PASS | 5/9/11 |
| R 110 | T | 5/6/11 | BB | 1 / 2 / 65 | | | Patch | 2X2 | PASS | 5/9/11 |
| R 111 | T | 5/6/11 | BB | 2 / 3 / 65 | | | Patch | 2X2 | PASS | 5/9/11 |
| R 112 | T | 5/6/11 | BB | 3 / 65 / 67 | | | Patch | 3X3 | PASS | 5/9/11 |
| R 113 | DS-12 | 5/10/11 | BB | 71 / 72 | 20' F WEOS | | Patch | 2x4 | PASS | 5/10/11 |
| R 114 | T | 5/10/11 | BB | 3 / 4 / 67 | | | Patch | 3x3 | PASS | 5/10/11 |
| R 115 | T | 5/10/11 | BB | 4 / 5 / 67 | | | Patch | 3x4 | PASS | 5/10/11 |
| R 116 | T | 5/10/11 | BB | 67 / 68 / 70 | | | Patch | 3x3 | PASS | 5/10/11 |
| R 117 | T | 5/10/11 | BB | 67 / 70 / 71 | | | Patch | 2x2 | PASS | 5/10/11 |
| R 118 | T | 5/10/11 | BB | 67 / 71 / 72 | | | Patch | 2x2 | PASS | 5/10/11 |
| R 119 | T | 5/10/11 | BB | 62 / 67 / 72 | | | Patch | 3x3 | PASS | 5/10/11 |
| R 120 | T | 5/10/11 | BB | 62 / 72 / 73 | | | Patch | 3x4 | PASS | 5/10/11 |
| R 121 | T | 5/10/11 | BB | 12 / 73 / 74 | | | Patch | 2x3 | PASS | 5/10/11 |
| R 122 | T | 5/10/11 | BB | 12 / 72 / | ENTIRE | SEAM | Patch | 2x5 | PASS | 5/10/11 |
| R 123 | WS | 5/10/11 | BB | 11 / 72 | 6' F NEOS | | Patch | 3x3 | PASS | 5/10/11 |
| R 124 | T | 5/10/11 | BB | 10 / 71 / 72 | | | Patch | 3x8 | PASS | 5/10/11 |
| R 125 | RO | 5/10/11 | BB | 10 / 71 | 10' F NEOS | | Patch | 2x2 | PASS | 5/10/11 |
| R 126 | WR | 5/10/11 | BB | 70 | 15' F WEOP | 8' F SEOP | Patch | 2x2 | PASS | 5/10/11 |
| R 127 | WR | 5/10/11 | BB | 68 / 70 | 19' F WEOS | | Patch | 2x2 | PASS | 5/10/11 |
| R 128 | ADDON | 5/10/11 | BB | 74 | NEEOP | | Patch | 4x5 | PASS | 5/10/11 |
| R 129 | SB | 5/10/11 | BB | 67 | 50' F NEOP | 5' F WEOP | Patch | 2x2 | PASS | 5/10/11 |

CHENANGO CONTRACTING, INC.

29 ARBUTUS RD, JOHNSON CITY, NY 13790

TEL. (607) 729-8500 FAX (607) 729-2415

REPAIR LOG

PROJECT NAME: Honywell/Jersey City
PROJECT NUMBER: 10039

QC REP.: PRM
MATERIAL: 40ML LL T/T Solmax

| REPAIR # | DEFECT CODE* | REPAIR DATE | TECH ID | LOCATION | | | REPAIR TYPE* | SIZE (ft x ft) | VACUUM TEST | |
|----------|--------------|-------------|---------|-----------------|-------------|------------|--------------|----------------|-------------|---------|
| | | | | Seam/Panel | Offset #1 | Offset #2 | | | P/F | DATE |
| R 130 | DS-13 | 5/12/11 | BB | 75 / 76 | 14' F SEOS | | Patch | 2X4 | PASS | 5/12/11 |
| R 131 | PB-4 | 5/11/11 | BB | 82 | 47' F WEOP | 8' F NEOP | Boot | 8X8 | PASS | 5/12/11 |
| R 132 | DS-15 | 5/11/11 | BB | 82 / 83 | 100' F EEOS | | Patch | 2X4 | PASS | 5/12/11 |
| R 133 | T | 5/11/11 | BB | 75 / 76 / 83 | | | Patch | 2X3 | PASS | 5/12/11 |
| R 134 | T | 5/11/11 | BB | 76 / 78 / 83 | | | Patch | 2X2 | PASS | 5/12/11 |
| R 135 | T | 5/11/11 | BB | 78 / 79 / 83 | | | Patch | 2X2 | PASS | 5/12/11 |
| R 136 | T | 5/11/11 | BB | 79 / 80 / 83 | | | Patch | 2X2 | PASS | 5/12/11 |
| R 137 | WR | 5/11/11 | BB | 54 / 82 | EEOS | | Patch | 2X2 | PASS | 5/12/11 |
| R 138 | T | 5/11/11 | BB | 80 / 81 / 83 | | | Patch | 3X11 | PASS | 5/12/11 |
| R 139 | DS-14 | 5/11/11 | BB | 80 / 81 | 17' F NEOS | | Patch | 1X1 | PASS | 5/12/11 |
| R 140 | PT | 5/11/11 | BB | 36 / 81 | 4' F NEOS | | Patch | 2X2 | PASS | 5/12/11 |
| R 141 | PT | 5/12/11 | BB | 36 / 81 | 9' F WEOS | | Patch | 2X2 | PASS | 5/12/11 |
| R 142 | T | 5/12/11 | BB | 35 / 36 / 81 | | | Patch | 2X2 | PASS | 5/12/11 |
| R 143 | T | 5/12/11 | BB | 35 / 80 / 81 | | | Patch | 2X2 | PASS | 5/12/11 |
| R 144 | T | 5/12/11 | BB | 34 / 35 / 80 | | | Patch | 2X2 | PASS | 5/12/11 |
| R 145 | T | 5/12/11 | BB | 33 / 77 / 78 | | | Patch | 2X2 | PASS | 5/12/11 |
| R 146 | T | 5/12/11 | BB | 32 / 33 / 77 | | | Patch | 2X2 | PASS | 5/12/11 |
| R 147 | T | 5/12/11 | BB | 30 / 32 / 77 | | | Patch | 2X2 | PASS | 5/12/11 |
| R 148 | T | 5/12/11 | BB | 30 / 31 / 77 | | | Patch | 2X3 | PASS | 5/12/11 |
| R 149 | T | 5/12/11 | BB | 76 / 77 / 78 | | | Patch | 2X2 | PASS | 5/12/11 |
| R 150 | T | 5/12/11 | BB | 31 / 76 / 77 | | | Patch | 2X2 | PASS | 5/12/11 |
| R 151 | T | 5/12/11 | BB | 31 / 75 / 76 | | | Patch | 2X2 | PASS | 5/12/11 |
| R 152 | PT | 5/12/11 | BB | 31 / 75 | WEOS | | Patch | 2X2 | PASS | 5/12/11 |
| R 153 | PT | 5/12/11 | BB | 79 / 80 | 20' F NEOS | | Patch | 2X4 | PASS | 5/12/11 |
| R 154 | BO | 5/12/11 | BB | 36 / 81 | 12' F NEOS | | Patch | 2X2 | PASS | 5/12/11 |
| R 155 | WR | 5/12/11 | BB | 82 | 4' F EEOP | 10' F NEOP | Patch | 1X1 | PASS | 5/12/11 |
| R 156 | WS | 5/25/11 | LV | 80 / 84 | 5' F NEOS | | Patch | 2X2 | PASS | 5/25/11 |
| R 157 | WS | 5/25/11 | LV | 80 / 84 | 1' F SEOS | | Patch | 1X1 | PASS | 5/25/11 |
| R 158 | WS | 5/25/11 | LV | 80 / 84 | 1' F EEOS | | Patch | 1X1 | PASS | 5/25/11 |
| R 159 | SB | 5/25/11 | LV | 80 | 41' F NEOP | 8' F EEOP | Patch | 2X2 | PASS | 5/25/11 |
| R 160 | BO | 5/25/11 | LV | 80 / 84 | 2' F WEOS | | Patch | 1X1 | PASS | 5/25/11 |
| R 161 | T | 5/25/11 | LV | 30 / 80 / 84 | | | Patch | 2X2 | PASS | 5/25/11 |
| R 162 | ADDON | 5/25/11 | LV | 78 / 87 | WEOP | | Patch | 6X11 | PASS | 5/25/11 |
| R 163 | PT | 5/25/11 | LV | 87 / 89 | 10' F EEOS | | Patch | 1X1 | PASS | 5/25/11 |
| R 164 | T | 5/25/11 | LV | 86 / 87 / 89 | | | Patch | 2X5 | PASS | 5/25/11 |
| R 165 | T | 5/25/11 | LV | 86 / 88 / 89 | | | Patch | 1X1 | PASS | 5/25/11 |
| R 166 | PT | 5/25/11 | LV | 78 / 88 | 16' F EEOS | | Patch | 1X1 | PASS | 5/25/11 |
| R 167 | T | 5/25/11 | LV | 33 / 78 / 86 88 | | | Patch | 2X2 | PASS | 5/25/11 |
| R 168 | T | 5/25/11 | LV | 33 / 85 / | ENTIRE | SEAM | Patch | 3X5 | PASS | 5/25/11 |
| R 169 | EE | 5/26/11 | LV | 78 | 29' F NEOP | 2' F WEOP | Patch | 3X3 | PASS | 5/26/11 |
| R 170 | EE | 5/31/11 | LV | 40 | 9' F SEOP | 4' F EEOP | Patch | 3X3 | PASS | 5/31/11 |
| R 171 | WS | 5/27/11 | LV | 1 / 90 | | | Patch | 1X1 | PASS | 5/31/11 |
| R 172 | T | 5/27/11 | LV | 64 / 65 / 90 | | | Patch | 2X3 | PASS | 5/31/11 |

CHENANGO CONTRACTING, INC.

29 ARBUTUS RD, JOHNSON CITY, NY 13790

TEL. (607) 729-8500 FAX (607) 729-2415

REPAIR LOG

PROJECT NAME: Honywell/Jersey City
PROJECT NUMBER: 10039

QC REP.: PRM
MATERIAL: 40ML LL T/T Solmax

| REPAIR # | DEFECT CODE* | REPAIR DATE | TECH ID | LOCATION | | | REPAIR TYPE* | SIZE (ft x ft) | VACUUM TEST | |
|----------|--------------|-------------|---------|-----------------|------------|-----------|--------------|----------------|-------------|---------|
| | | | | Seam/Panel | Offset #1 | Offset #2 | | | P/F | DATE |
| R 173 | RO | 5/27/11 | LV | 90 / HD | 34' F EEOS | | Patch | 1X2 | PASS | 5/31/11 |
| R 174 | BO | 5/27/11 | LV | 64 / 90 | 11' F EEOS | | Patch | 1X1 | PASS | 5/31/11 |
| R 175 | RO | 5/27/11 | LV | 64 / 90 | 6' F WEOS | | Patch | 2X4 | PASS | 5/31/11 |
| R 176 | T | 5/27/11 | LV | 90 / 91 / HD | | | Patch | 2X2 | PASS | 5/31/11 |
| R 177 | T | 5/27/11 | LV | 63 / 90 / 91 | | | Patch | 2X4 | PASS | 5/31/11 |
| R 178 | BO | 5/27/11 | LV | 91 / HD | 20' F EEOS | | Patch | 1X2 | PASS | 5/31/11 |
| R 179 | BO | 5/27/11 | LV | 91 / HD | 24' F EEOS | | Patch | 1X2 | PASS | 5/31/11 |
| R 180 | T | 5/27/11 | LV | 49 / 63 / 91 | | | Patch | 2X2 | PASS | 5/31/11 |
| R 181 | DS-16 | 5/27/11 | LV | 49 / 91 | 7' F EEOS | | Patch | 2X4 | PASS | 5/31/11 |
| R 182 | BO | 5/27/11 | LV | 91 / HD | 30' F EEOS | | Patch | 1X2 | PASS | 5/31/11 |
| R 183 | BO | 5/27/11 | LV | 91 / HD | 51' F EEOS | | Patch | 1X2 | PASS | 5/31/11 |
| R 184 | PT | 5/27/11 | LV | 49 / 91 | 4' F WEOS | | Patch | 2X2 | PASS | 5/31/11 |
| R 185 | PB-5 | 5/27/11 | LV | 49 | 9' F EEOP | 8' F SEOP | Boot | 8X8 | PASS | 5/31/11 |
| R 186 | PB-6 | 5/27/11 | LV | 48 / 49 | 8' F SEOS | | Boot | 8X8 | PASS | 5/31/11 |
| R 187 | WS | 5/27/11 | LV | 1 / 65 | 12' F NEOS | | Patch | 2X2 | PASS | 5/31/11 |
| R 188 | T | 6/2/11 | LV | 48 / 91 / 92 | | | Patch | 2X2 | PASS | 6/2/11 |
| R 189 | WS | 6/2/11 | LV | 48 / 92 | 7' F WEOS | | Patch | 2X2 | PASS | 6/2/11 |
| R 190 | T | 6/2/11 | LV | 47 / 48 / 92 | | | Patch | 2X3 | PASS | 6/2/11 |
| R 191 | T | 6/2/11 | LV | 29 / 47 / 92 | | | Patch | 2X2 | PASS | 6/2/11 |
| R 192 | PT | 6/2/11 | LV | 29 / 92 | 5' F EEOS | | Patch | 2X6 | PASS | 6/2/11 |
| R 193 | T | 6/2/11 | LV | 29 / 92 / 93 | | | Patch | 1X2 | PASS | 6/2/11 |
| R 194 | T | 6/2/11 | LV | 28 / 29 / 93 | | | Patch | 2X4 | PASS | 6/2/11 |
| R 195 | T | 6/2/11 | LV | 27 / 28 / 93 | | | Patch | 2X2 | PASS | 6/2/11 |
| R 196 | T | 6/2/11 | LV | 27 / 93 / 94 | | | Patch | 3X3 | PASS | 6/2/11 |
| R 197 | T | 6/2/11 | LV | 26 / 27 / 94 | | | Patch | 1X1 | PASS | 6/2/11 |
| R 198 | EE | 6/2/11 | LV | 26 / 94 | 13' F EEOS | | Patch | 1X10 | PASS | 6/2/11 |
| R 199 | T | 6/2/11 | LV | 24 / 26 / 94 | | | Patch | 1X2 | PASS | 6/2/11 |
| R 200 | EE | 6/2/11 | LV | 24 | 3' F SEOP | 8' F EEOP | Patch | 1X1 | PASS | 6/2/11 |
| R 201 | T | 6/2/11 | LV | 24 / 25 / 94 | | | Patch | 2X3 | PASS | 6/2/11 |
| R 202 | T | 6/2/11 | LV | 25 / 94 / HD | | | Patch | 2X3 | PASS | 6/2/11 |
| R 203 | RO | 6/2/11 | LV | 94 / HD | 7' F WEOS | | Patch | 2X2 | PASS | 6/2/11 |
| R 204 | RO | 6/2/11 | LV | 94 / HD | 17' F WEOS | | Patch | 3X5 | PASS | 6/2/11 |
| R 205 | RO | 6/2/11 | LV | 94 / HD | 62' F WEOS | | Patch | 2X4 | PASS | 6/2/11 |
| R 206 | T | 6/2/11 | LV | 93 / 94 / HD | | | Patch | 2X4 | PASS | 6/2/11 |
| R 207 | RO | 6/2/11 | LV | 93 / HD | 3' F WEOS | | Patch | 1X2 | PASS | 6/2/11 |
| R 208 | EE | 11/4/11 | JZ | N684891,E603835 | | | Patch | 2X2 | PASS | 11/4/11 |
| R 209 | EE | 11/9/11 | JZ | N684740,E603799 | | | Patch | 2X2 | PASS | 11/9/11 |
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CHENANGO CONTRACTING, INC.

29 ARBUTUS RD, JOHNSON CITY, NY 13790

TEL. (607) 729-8500 FAX (607) 729-2415

GEOMEMBRANE TRIAL SEAM LOG

PROJECT NAME:

Honeywell/Jersey City

PROJECT NUMBER:

10039

QC REP.:

PRM

| | SMOOTH (ppi) | | TEXTURED (ppi) | |
|------------------|--------------|-------|----------------|-------|
| | PEEL | SHEAR | PEEL | SHEAR |
| FUSION (min.) | 44 | 53 | 44 | 53 |
| EXTRUSION (min.) | 44 | 53 | 44 | 53 |

| Date | Time | Temp (deg F) | Mach. No. | Tech ID | Setup S/T | Fusion | | Extrusion | | * All Peel & Shear Values are (ppi) | | | | | | | | |
|----------|-------|-----------------|--------------|------------|--------------|-----------------|-----------------|--------------------|-------------------|-------------------------------------|-----|---------|----|---------|-----|-------------|-------------|-------------|
| | | | | | | Temp (deg C) | Speed (ft/m) | Preheat (deg F) | Barrel (deg F) | Peel #1 | | Peel #2 | | Peel #3 | | Shear #1 | Shear #2 | Shear #3 |
| 11/30/10 | 11:40 | 50 | W13 | SB | S/S | 375 | 8.0 | | | 87 | 103 | 88 | 87 | 87 | 84 | 116 | 121 | 117 |
| 12/2/10 | 11:00 | 50 | X5 | SB | S/S | | | 450 | 450 | | 88 | | 87 | | 90 | 102 | 100 | 111 |
| 12/2/10 | 11:00 | 50 | X5 | SB | S/T | | | 450 | 450 | | 89 | | 89 | | 88 | 112 | 111 | 111 |
| 4/22/11 | 7:40 | 55 | W11 | LV | S/T | 365 | 7.5 | | | 80 | 86 | 106 | 98 | 115 | 114 | 114 | 142 | 114 |
| 4/22/11 | 8:00 | 55 | W11 | LV | S/S | 365 | 7.5 | | | 102 | 61 | 66 | 77 | 101 | 99 | 106 | 123 | 96 |
| 4/22/11 | 8:35 | 55 | W9 | BB | S/S | 350 | 8.0 | | | 114 | 102 | 105 | 97 | 101 | 95 | 122 | 113 | 113 |
| 4/22/11 | 11:00 | 55 | X1 | LV | T/T | | | 450 | 450 | | 107 | | 94 | | 77 | 115 | 92 | 104 |
| 4/25/11 | 11:10 | 65 | W9 | BB | S/S | 350 | 9.0 | | | 65 | 63 | 76 | 62 | 60 | 76 | 81 | 82 | 74 |
| 4/25/11 | 11:15 | 65 | W9 | BB | S/T | 350 | 9.0 | | | 71 | 74 | 74 | 77 | 74 | 74 | 87 | 76 | 80 |
| 4/25/11 | 11:25 | 65 | W9 | BB | T/T | 350 | 9.0 | | | 68 | 80 | 69 | 79 | 78 | 72 | 79 | 82 | 85 |
| 4/25/11 | 12:25 | 65 | W5 | LV | S/S | 350 | 9.5 | | | 70 | 71 | 72 | 69 | 70 | 66 | 75 | 73 | 73 |
| 4/26/11 | 11:25 | 78 | W5 | LV | S/S | 350 | 10.0 | | | 63 | 69 | 58 | 57 | 54 | 57 | 55 | 57 | 56 |
| 4/26/11 | 11:30 | 78 | W9 | BB | S/S | 350 | 10.0 | | | 57 | 55 | 71 | 58 | 57 | 54 | 65 | 62 | 61 |
| 4/26/11 | 11:30 | 78 | W9 | BB | S/T | 350 | 9.5 | | | 63 | 64 | 58 | 61 | 61 | 60 | 70 | 61 | 59 |
| 4/26/11 | 11:30 | 78 | W9 | BB | T/T | 350 | 9.5 | | | 65 | 66 | 71 | 65 | 62 | 72 | 69 | 65 | 68 |
| 4/26/11 | 15:20 | 78 | X1 | BB | T/T | | | 450 | 450 | | 66 | | 61 | | 60 | 76 | 74 | 67 |
| 4/27/11 | 8:15 | 65 | X1 | BB | T/T | | | 450 | 450 | | 73 | | 74 | | 79 | 91 | 74 | 76 |
| 4/29/11 | 11:00 | 60 | W11 | BB | S/S | 350 | 10.0 | | | 68 | 59 | 57 | 60 | 63 | 65 | 73 | 61 | 66 |
| 4/29/11 | 9:15 | 60 | W9 | LV | S/S | 350 | 10.0 | | | 73 | 53 | 68 | 73 | 60 | 71 | 76 | 79 | 76 |
| 4/29/11 | 9:15 | 60 | W9 | LV | T/T | 350 | 10.0 | | | 72 | 65 | 57 | 70 | 59 | 63 | 66 | 53 | 76 |
| 4/29/11 | 9:15 | 60 | W9 | LV | S/T | 350 | 10.0 | | | 61 | 61 | 65 | 66 | 61 | 60 | 63 | 68 | 73 |
| 4/29/11 | 12:30 | 65 | X1 | BB | T/T | | | 450 | 450 | | 63 | | 67 | | 60 | 68 | 73 | 68 |
| 5/2/11 | 13:00 | 55 | W39 | LV | S/S | 860 | 13.5 | | | 61 | 77 | 79 | 57 | 79 | 60 | 95 | 92 | 85 |
| 5/2/11 | 13:00 | 55 | W39 | LV | S/T | 860 | 13.5 | | | 61 | 75 | 83 | 85 | 77 | 66 | 88 | 92 | 84 |
| 5/2/11 | 13:00 | 55 | W39 | LV | T/T | 860 | 13.5 | | | 74 | 60 | 84 | 83 | 79 | 69 | 81 | 85 | 86 |
| 5/2/11 | 14:05 | 55 | W11 | BB | S/S | 350 | 10.0 | | | 63 | 64 | 72 | 63 | 62 | 71 | 83 | 77 | 89 |

CHENANGO CONTRACTING, INC.

29 ARBUTUS RD, JOHNSON CITY, NY 13790

TEL. (607) 729-8500 FAX (607) 729-2415

GEOMEMBRANE TRIAL SEAM LOG

PROJECT NAME:

Honeywell/Jersey City

PROJECT NUMBER:

10039

QC REP.:

PRM

| | SMOOTH (ppi) | | TEXTURED (ppi) | |
|------------------|--------------|-------|----------------|-------|
| | PEEL | SHEAR | PEEL | SHEAR |
| FUSION (min.) | 44 | 53 | 44 | 53 |
| EXTRUSION (min.) | 44 | 53 | 44 | 53 |

| Date | Time | Temp (deg F) | Mach. No. | Tech ID | Setup S/T | Fusion | | Extrusion | | * All Peel & Shear Values are (ppi) | | | | | | | | |
|---------|-------|-----------------|--------------|------------|--------------|-----------------|-----------------|--------------------|-------------------|-------------------------------------|----|---------|----|---------|----|-------------|-------------|-------------|
| | | | | | | Temp (deg C) | Speed (ft/m) | Preheat (deg F) | Barrel (deg F) | Peel #1 | | Peel #2 | | Peel #3 | | Shear #1 | Shear #2 | Shear #3 |
| 5/3/11 | 8:00 | 55 | X1 | BB | T/T | | | 450 | 450 | | 70 | | 89 | | 81 | 95 | 86 | 85 |
| 5/3/11 | 8:30 | 60 | W39 | LV | T/T | 860 | 13.5 | | | 74 | 62 | 74 | 55 | 61 | 78 | 75 | 83 | 78 |
| 5/5/11 | 8:00 | 55 | X1 | BB | T/T | | | 450 | 450 | | 65 | | 77 | | 84 | 99 | 94 | 97 |
| 5/5/11 | 8:00 | 55 | W39 | LV | S/S | 860 | 13.5 | | | 65 | 83 | 82 | 64 | 57 | 78 | 88 | 86 | 90 |
| 5/5/11 | 8:00 | 55 | W39 | LV | S/T | 860 | 13.5 | | | 84 | 77 | 88 | 69 | 80 | 68 | 79 | 85 | 89 |
| 5/5/11 | 8:00 | 55 | W39 | LV | T/T | 860 | 13.5 | | | 65 | 83 | 79 | 68 | 66 | 72 | 87 | 86 | 91 |
| 5/6/11 | 8:00 | 56 | X1 | BB | T/T | | | 450 | 450 | | 92 | | 87 | | 92 | 92 | 93 | 89 |
| 5/6/11 | 8:00 | 60 | W39 | LV | S/S | 860 | 13.5 | | | 72 | 66 | 72 | 67 | 68 | 78 | 79 | 83 | 78 |
| 5/6/11 | 8:00 | 60 | W39 | LV | S/T | 860 | 13.5 | | | 75 | 73 | 91 | 81 | 88 | 72 | 86 | 89 | 88 |
| 5/6/11 | 8:00 | 60 | W39 | LV | T/T | 860 | 13.5 | | | 81 | 82 | 82 | 86 | 60 | 75 | 105 | 89 | 91 |
| 5/6/11 | 12:00 | 65 | X1 | BB | T/T | | | 450 | 450 | | 81 | | 86 | | 79 | 91 | 94 | 88 |
| 5/9/11 | 8:00 | 56 | X1 | BB | T/T | | | 450 | 450 | | 88 | | 82 | | 87 | 91 | 89 | 96 |
| 5/10/11 | 8:00 | 60 | W39 | LV | S/S | 860 | 13.5 | | | 85 | 56 | 63 | 86 | 89 | 59 | 98 | 91 | 96 |
| 5/10/11 | 8:00 | 60 | W39 | LV | T/T | 860 | 13.5 | | | 91 | 89 | 89 | 80 | 80 | 93 | 88 | 86 | 90 |
| 5/10/11 | 8:00 | 60 | W39 | LV | S/T | 860 | 13.5 | | | 89 | 80 | 80 | 93 | 89 | 80 | 86 | 98 | 91 |
| 5/10/11 | 8:30 | 60 | X1 | BB | T/T | | | 450 | 450 | | 70 | | 78 | | 82 | 78 | 86 | 89 |
| 5/11/11 | 11:20 | 60 | W39 | LV | S/S | 860 | 13.5 | | | 82 | 85 | 66 | 71 | 66 | 76 | 84 | 93 | 93 |
| 5/11/11 | 11:20 | 60 | W39 | LV | S/T | 860 | 13.5 | | | 77 | 87 | 75 | 90 | 80 | 88 | 89 | 87 | 90 |
| 5/11/11 | 11:20 | 60 | W39 | LV | T/T | 860 | 13.5 | | | 89 | 78 | 72 | 77 | 79 | 74 | 83 | 79 | 89 |
| 5/11/11 | 15:00 | 65 | X1 | BB | T/T | | | 425 | 450 | | 68 | | 63 | | 71 | 70 | 74 | 73 |
| 5/12/11 | 7:40 | 60 | X1 | BB | T/T | | | 425 | 450 | | 69 | | 77 | | 81 | 77 | 73 | 76 |
| 5/13/11 | 10:30 | 60 | X1 | BB | T/T | | | 425 | 450 | | 67 | | 73 | | 82 | 90 | 96 | 95 |
| 5/24/11 | 9:35 | 68 | W36 | LV | S/S | 860 | 13.5 | | | 77 | 72 | 85 | 68 | 70 | 80 | 79 | 84 | 86 |
| 5/24/11 | 9:35 | 68 | W36 | LV | T/T | 860 | 13.5 | | | 84 | 75 | 66 | 76 | 80 | 86 | 89 | 85 | 87 |
| 5/24/11 | 11:45 | 68 | X1 | LV | T/T | | | 450 | 450 | | 74 | | 78 | | 77 | 79 | 78 | 77 |
| 5/24/11 | 12:35 | 68 | W36 | LV | S/S | 860 | 13.5 | | | 74 | 76 | 78 | 76 | 77 | 76 | 84 | 86 | 87 |

CHENANGO CONTRACTING, INC.

29 ARBUTUS RD, JOHNSON CITY, NY 13790

TEL. (607) 729-8500 FAX (607) 729-2415

GEOMEMBRANE TRIAL SEAM LOG

PROJECT NAME: Honeywell/Jersey City
PROJECT NUMBER: 10039
QC REP.: PRM

| | SMOOTH (ppi) | | TEXTURED (ppi) | |
|------------------|--------------|-------|----------------|-------|
| | PEEL | SHEAR | PEEL | SHEAR |
| FUSION (min.) | 44 | 53 | 44 | 53 |
| EXTRUSION (min.) | 44 | 53 | 44 | 53 |

| | | | | | | Fusion | | Extrusion | | * All Peel & Shear Values are (ppi) | | | | | | | | |
|---------|-------|-----------------|--------------|------------|--------------|-----------------|-----------------|--------------------|-------------------|-------------------------------------|----|---------|----|---------|----|-------------|-------------|-------------|
| Date | Time | Temp (deg F) | Mach. No. | Tech ID | Setup S/T | Temp (deg C) | Speed (ft/m) | Preheat (deg F) | Barrel (deg F) | Peel #1 | | Peel #2 | | Peel #3 | | Shear #1 | Shear #2 | Shear #3 |
| 5/24/11 | 12:35 | 68 | W36 | LV | T/T | 860 | 13.5 | | | 78 | 80 | 76 | 80 | 77 | 76 | 85 | 84 | 84 |
| 5/25/11 | 8:30 | 65 | W36 | LV | S/S | 860 | 13.5 | | | 79 | 80 | 75 | 86 | 71 | 83 | 92 | 88 | 94 |
| 5/25/11 | 8:30 | 65 | W36 | LV | S/T | 860 | 13.5 | | | 82 | 75 | 79 | 81 | 73 | 79 | 84 | 82 | 78 |
| 5/25/11 | 8:30 | 65 | W36 | LV | T/T | 860 | 13.5 | | | 83 | 80 | 79 | 76 | 81 | 75 | 88 | 84 | 87 |
| 5/25/11 | 8:45 | 65 | X1 | LV | T/T | | | 425 | 450 | | 70 | | 74 | | 75 | 80 | 79 | 79 |
| 5/25/11 | 12:00 | 75 | W36 | LV | S/S | 860 | 13.5 | | | 80 | 79 | 73 | 75 | 78 | 83 | 90 | 92 | 88 |
| 5/25/11 | 12:00 | 75 | W36 | LV | S/T | 860 | 13.5 | | | 76 | 81 | 71 | 80 | 76 | 80 | 85 | 89 | 87 |
| 5/25/11 | 12:00 | 75 | W36 | LV | T/T | 860 | 13.5 | | | 78 | 75 | 81 | 72 | 77 | 84 | 88 | 86 | 82 |
| 5/25/11 | 12:30 | 75 | X1 | LV | T/T | | | 425 | 450 | | 78 | | 76 | | 74 | 77 | 78 | 77 |
| 5/26/11 | 9:30 | 75 | X1 | LV | T/T | | | 450 | 450 | | 76 | | 78 | | 75 | 77 | 79 | 78 |
| 5/27/11 | 7:30 | 70 | W39 | LV | T/T | 860 | 13.5 | | | 67 | 71 | 75 | 76 | 70 | 69 | 81 | 84 | 82 |
| 5/27/11 | 7:30 | 70 | W39 | LV | S/S | 860 | 13.5 | | | 70 | 78 | 75 | 78 | 72 | 84 | 88 | 90 | 82 |
| 5/27/11 | 7:30 | 70 | W39 | LV | S/T | 860 | 13.5 | | | 79 | 72 | 76 | 71 | 73 | 78 | 90 | 87 | 88 |
| 5/27/11 | 8:30 | 75 | X1 | LV | T/T | | | 450 | 450 | | 73 | | 76 | | 78 | 80 | 77 | 79 |
| 5/31/11 | 8:00 | 70 | X1 | LV | T/T | | | 450 | 450 | | 75 | | 77 | | 74 | 82 | 80 | 80 |
| 5/31/11 | 12:30 | 70 | W39 | LV | T/T | 860 | 13.5 | | | 76 | 74 | 78 | 72 | 74 | 73 | 81 | 84 | 89 |
| 6/2/11 | 8:00 | 65 | X1 | LV | T/T | | | 450 | 450 | | 78 | | 69 | | 75 | 79 | 77 | 77 |
| 6/2/11 | 8:30 | 65 | W39 | LV | T/T | 860 | 13.5 | | | 79 | 77 | 75 | 78 | 77 | 76 | 83 | 85 | 80 |
| 11/4/11 | 11:20 | 55 | X6 | JZ | T/T | | | 400 | 400 | | 70 | | 69 | | 77 | 85 | 88 | 87 |
| 11/9/11 | 10:25 | 60 | X6 | JZ | T/T | | | 425 | 425 | | 72 | | 70 | | 81 | 84 | 90 | 88 |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
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PRODUCT DATA SHEET

WINFAB 800N

WINFAB 800N is manufactured using polypropylene fibers that are needled to form a dimensionally stable network, which allows the fibers to maintain their relative position. WINFAB 800N resists ultraviolet deterioration, rotting and biological degradation and is inert to commonly encountered soil chemicals.

| PROPERTY | TEST METHOD | MARV ENGLISH | MARV METRIC |
|------------------------------|-------------|------------------------------|-------------------------------------|
| Weight (Typical) | ASTM D-5261 | 8.0 oz/yd ² | 271 g/m ² |
| Tensile Strength (Grab) | ASTM D-4632 | 205 lbs | 910 N |
| Elongation | ASTM D-4632 | 50% | 50% |
| Puncture | ASTM D-4833 | 130 lbs | 578 N |
| Mullen Burst | ASTM D-3786 | 400 psi | 2756 kPa |
| Trapezoidal Tear | ASTM D-4533 | 85 lbs | 378 N |
| UV Resistance (at 500 hrs) | ASTM D-4355 | 70% | 70% |
| Apparent Opening Size (AOS)* | ASTM D-4751 | 80 US Std. Sieve | 0.180 mm |
| Permittivity | ASTM D-4491 | 1.40 sec ⁻¹ | 1.40 sec ⁻¹ |
| Water Flow Rate | ASTM D-4491 | 90 gpm/ft ² | 3657 l/min/m ² |
| Roll Sizes | | 12.5' x 360' 15.0' x 300' | 3.81 m x 109.8 m 4.57 m x 91.5 m |

*Maximum average roll value.

Willacoochee Industrial Fabrics
Quality at Competitive Prices.

769 West Main Street
PO Box 599
Willacoochee, GA 31650

PH: 912-534-5757
FAX: 912-534-5533
www.winfabusa.com

Disclaimer: Willacoochee Industrial Fabrics assumes no liability for the completeness or accuracy of this information or the ultimate use of this information. This document should not be construed as engineering advice. Always consult the project engineer for project specific requirements. The end user assumes sole responsibility for the use of this information and product. The property values listed above are subject to change without notice.

September 29, 2010
Iwt/Cargo Guard
P.O. Box 454
Waretown, NJ 08758

Ref. : Severson - SA5, NJ
Customer P.O. #
Transnet 330-2-6

We certify that the Transnet 330-2-6 drainage composite, meets the project requirements as stated in the specifications. The properties listed in this section are:

| Property | Test Method | Unit | Required Value | Qualifier |
|---------------------------------------|--------------------------|---------------------|-------------------------|-------------------|
| Geonet⁴ | | | | |
| Mass per Unit Area | ASTM D 5261 | lbs/ft ² | 0.3 | Minimum |
| Thickness | ASTM D 5199 | mil | 300 | Minimum |
| Carbon Black | ASTM D 4218 | % | 2.0 | Minimum |
| Tensile Strength | ASTM D 5035 | lbs/in | 75 | Minimum |
| Melt Flow | ASTM D 1238 ³ | g/10 min | 1.0 | Maximum |
| Density | ASTM D 1505 | g/cm ³ | 0.94 | Minimum |
| Composite | | | | |
| Ply Adhesion | ASTM D 7005 | lb/in | 0.5 | MARV ⁶ |
| Transmissivity ¹ | ASTM D 4716 | m ² /sec | 1.1 x 10 ⁻³ | MARV |
| Transmissivity ² | ASTM D 4716 | m ² /sec | 1.25 x 10 ⁻³ | MARV |
| Geotextile^{4 & 5} | | | | |
| Fabric Weight | ASTM D 5261 | oz/yd ² | 6.0 | MARV |
| Grab Strength | ASTM D 4632 | lbs | 150 | MARV |
| Grab Elongation | ASTM D 4632 | % | 50 | MARV |
| Puncture Resistance | ASTM D 4833 | lbs | 90 | MARV |
| Water Flow Rate | ASTM D 4491 | gpm/ft ² | 110 | MARV |
| Permittivity | ASTM D 4491 | sec ⁻¹ | 1.5 | MARV |
| AOS | ASTM D 4751 | US Sieve | 70 | MARV |
| UV Resistance | ASTM D 4355 | %/hrs | 70/500 | MARV |

Notes:

- 1 Transmissivity measured using water at 21 ± 2 °C (70 ± 4 °F) with a gradient of 0.33 and a confining pressure of 1000 psf between sand & liner after 100 hours.
- 2 Transmissivity measured using water at 21 ± 2 °C (70 ± 4 °F) with a gradient of 0.2 and a confining pressure of 1000 psf between sand & liner after 100 hours.
- 3 Condition 190/2.16
- 4 Geotextile and Geonet properties are prior to lamination.
- 5 Geotextile data is provided by the supplier.
- 6 MARV is statistically defined as mean minus two standard deviations and it is the value which is exceeded by 97.5% of all the test data.

Sincerely,

Nilay Patel

Nilay Patel
QA Manager

Product : TN330-2-6
Project : Severson - SA5, NJ

We, the Geocomposite Manufacturer, hereby certify the following for the material delivered to the above referenced project :

| Roll | Geocomposite Roll Number | Geonet Roll Number | Geotextile Roll Number | | Ply Adhesion (lb/in) | | Geocomposite Transmissivity (m ² /sec) |
|------|--------------------------|--------------------|------------------------|----------|----------------------|---------|---|
| | | | Side A | Side B | Minimum | Average | |
| 1 | 393610001 | 393610001 - N | 3936.003 | 3936.005 | 1.25 | 2.33 | |
| 2 | 393610002 | 393610002 - N | 3936.003 | 3936.005 | | | |
| 3 | 393610003 | 393610003 - N | 3936.003 | 3936.005 | | | |
| 4 | 393610004 | 393610004 - N | 3936.003 | 3936.005 | | | |
| 5 | 393610005 | 393610005 - N | 3936.003 | 3936.005 | | | |
| 6 | 393610006 | 393610006 - N | 3936.003 | 3936.005 | | | |
| 7 | 393610007 | 393610007 - N | 3936.003 | 3936.005 | | | |
| 8 | 393610008 | 393610008 - N | 3936.006 | 3936.001 | | | |
| 9 | 393610009 | 393610009 - N | 3936.006 | 3936.001 | | | |
| 10 | 393610010 | 393610010 - N | 3936.006 | 3936.001 | 1.51 | 2.72 | |
| 11 | 393610011 | 393610011 - N | 3936.006 | 3936.001 | | | |
| 12 | 393610012 | 393610012 - N | 3936.006 | 3936.001 | | | |
| 13 | 393610013 | 393610013 - N | 3936.006 | 3936.001 | | | |
| 14 | 393610014 | 393610014 - N | 3936.006 | 3936.001 | | | |
| 15 | 393610015 | 393610015 - N | 3936.004 | 3936.007 | | | |
| 16 | 393610016 | 393610016 - N | 3936.004 | 3936.007 | | | |
| 17 | 393610017 | 393610017 - N | 3936.004 | 3936.007 | | | |
| 18 | 393610018 | 393610018 - N | 3936.004 | 3936.007 | | | |
| 19 | 393610019 | 393610019 - N | 3936.004 | 3936.007 | | | |
| 20 | 393610020 | 393610020 - N | 3936.004 | 3936.007 | 1.36 | 2.45 | |
| 21 | 393610021 | 393610021 - N | 3936.004 | 3936.007 | | | |
| 22 | 393610022 | 393610022 - N | 3936.008 | 3936.002 | | | |
| 23 | 393610023 | 393610023 - N | 3936.008 | 3936.002 | | | |
| 24 | 393610024 | 393610024 - N | 3936.008 | 3936.002 | | | |
| 25 | 393610025 | 393610025 - N | 3936.008 | 3936.002 | | | |
| 26 | 393610026 | 393610026 - N | 3936.008 | 3936.002 | | | |
| 27 | 393610027 | 393610027 - N | 3936.008 | 3936.002 | | | |



Product : TN330-2-6
Project : Severson - SA5, NJ

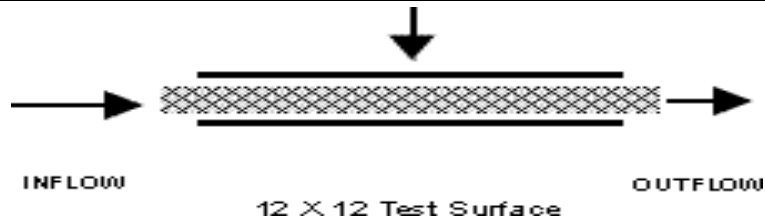
We, the Geonet Manufacturer, hereby certify the following for the material sent to the above referenced project :

| Geonet Roll Number | Resin Lot Number | Geonet Density (gm/cc) | Mass Per Unit Area (lb/ft ²) | Thickness (mils) | Carbon Black (%) | Tensile Strength (MD) (lb/in) | Transmissivity (m ² /sec) |
|--------------------|------------------|------------------------|--|------------------|------------------|-------------------------------|--------------------------------------|
| 393610001 - N | 27287-10 | 0.9547 | 0.360 | 313 | 2.42 | 112 | |
| 393610002 - N | 27287-10 | 0.9547 | | | | | |
| 393610003 - N | 27287-10 | 0.9547 | | | | | |
| 393610004 - N | 27287-10 | 0.9547 | | | | | |
| 393610005 - N | 27287-10 | 0.9547 | | | | | |
| 393610006 - N | 27287-10 | 0.9547 | | | | | |
| 393610007 - N | 27287-10 | 0.9547 | | | | | |
| 393610008 - N | 27287-10 | 0.9547 | | | | | |
| 393610009 - N | 27287-10 | 0.9547 | | | | | |
| 393610010 - N | 27287-10 | 0.9547 | 0.367 | 318 | 2.71 | 115 | |
| 393610011 - N | 27287-10 | 0.9547 | | | | | |
| 393610012 - N | 27287-10 | 0.9547 | | | | | |
| 393610013 - N | 27287-10 | 0.9547 | | | | | |
| 393610014 - N | 27287-10 | 0.9547 | | | | | |
| 393610015 - N | 27287-10 | 0.9547 | | | | | |
| 393610016 - N | 27287-10 | 0.9547 | | | | | |
| 393610017 - N | 27287-10 | 0.9547 | | | | | |
| 393610018 - N | 27287-10 | 0.9547 | | | | | |
| 393610019 - N | 27287-10 | 0.9547 | | | | | |
| 393610020 - N | 27287-10 | 0.9547 | 0.358 | 310 | 2.34 | 110 | |
| 393610021 - N | 27287-10 | 0.9547 | | | | | |
| 393610022 - N | 27287-10 | 0.9547 | | | | | |
| 393610023 - N | 27287-10 | 0.9547 | | | | | |
| 393610024 - N | 27287-10 | 0.9547 | | | | | |
| 393610025 - N | 27287-10 | 0.9547 | | | | | |
| 393610026 - N | 27287-10 | 0.9547 | | | | | |
| 393610027 - N | 27287-10 | 0.9547 | | | | | |



Client: Iwt/Cargo Guard
Project: Severson - SA5, NJ
Product: TN330-2-6
Roll # 393610001

Job # 3936

Test Configuration:

Test Information:

Boundary Conditions: Sand
 Geocomposite
 Liner

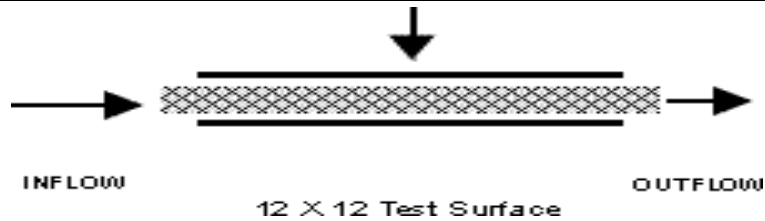
Normal Load: 1000 psf
Gradient: 0.33 ft
Seating Time: 100 hours
Flow Direction: MD

Test Results:

| Pressure (psf) | Gradient, ft | Transmissivity, m ² /sec |
|----------------|--------------|-------------------------------------|
| | | 100 hours |
| 1000 | 0.33 | 1.32 x 10 ⁻³ |

Client: Iwt/Cargo Guard
Project: Severson - SA5, NJ
Product: TN330-2-6
Roll # 393610001

Job # 3936

Test Configuration:

Test Information:

Boundary Conditions: Sand
 Geocomposite
 Liner

Normal Load: 1000 psf
Gradient: 0.2 ft
Seating Time: 100 hours
Flow Direction: MD

Test Results:

| Pressure (psf) | Gradient, ft | Transmissivity, m ² /sec |
|----------------|--------------|-------------------------------------|
| | | 100 hours |
| 1000 | 0.2 | 1.51 x 10 ⁻³ |



POLYETHYLENE RESIN CERTIFICATION

Customer Name : Iwt/Cargo Guard
Project Name : Severson - SA5, NJ
Geocomposite Manufacturer : SKAPS Industries
Geocomposite Production Plant : Commerce, GA
Geocomposite Brand Name : TN330-2-6

We, the Geonet Manufacturer, hereby certify the following for the material delivered to the above referenced project:

| Resin Supplier | Resin Production Plant | Resin Brand Name | Resin Lot Number | Property | Test Method | Units | Resin Supplier Value | Tested Value* |
|-------------------------|------------------------|------------------|------------------|-----------------|----------------------------|-----------|----------------------|---------------|
| New South Polymers, Inc | Chevron, TX | HDPE | 27287-10 | Density | ASTM D 1505 | gm/cc | 0.950 | 0.950 |
| | | | | Melt Flow Index | ASTM D 1238 ^(a) | gm/10 min | 0.30 | 0.31 |

(a) Condition 190/2.16

* Data from SKAPS Quality Control





**Engineered Synthetic
Products, Inc.**

Product : TN330-2-6

Project : Severson - SA5, NJ

We, the Geocomposite Manufacturer, hereby certify the following for the material delivered to the above referenced project :

| GEOCOMP ROLL# | FABRIC ROLL# | WEIGHT oz/sq yd | MD TENSILE lbs. | MD ELONG % | XMD TENSILE lbs. | XMD ELONG % | PUNCTURE lbs. | AOS us sieve | WATER- FLOW gpm/sq f | PERM- ITY sec⁻¹ |
|--------------------------|-------------------------|----------------------------|--------------------------------|---------------------------|---------------------------------|----------------------------|--------------------------|-------------------------|-------------------------------------|---|
| 393610001 | 3936.003 | 6.27 | 165 | 69 | 171 | 80 | 98 | 70 | 133 | 1.78 |
| | 3936.005 | 6.66 | 169 | 74 | 180 | 84 | 98 | 70 | 133 | 1.78 |

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REVISIONS

| ZONE | REV | DESCRIPTION | DATE | APPROVED |
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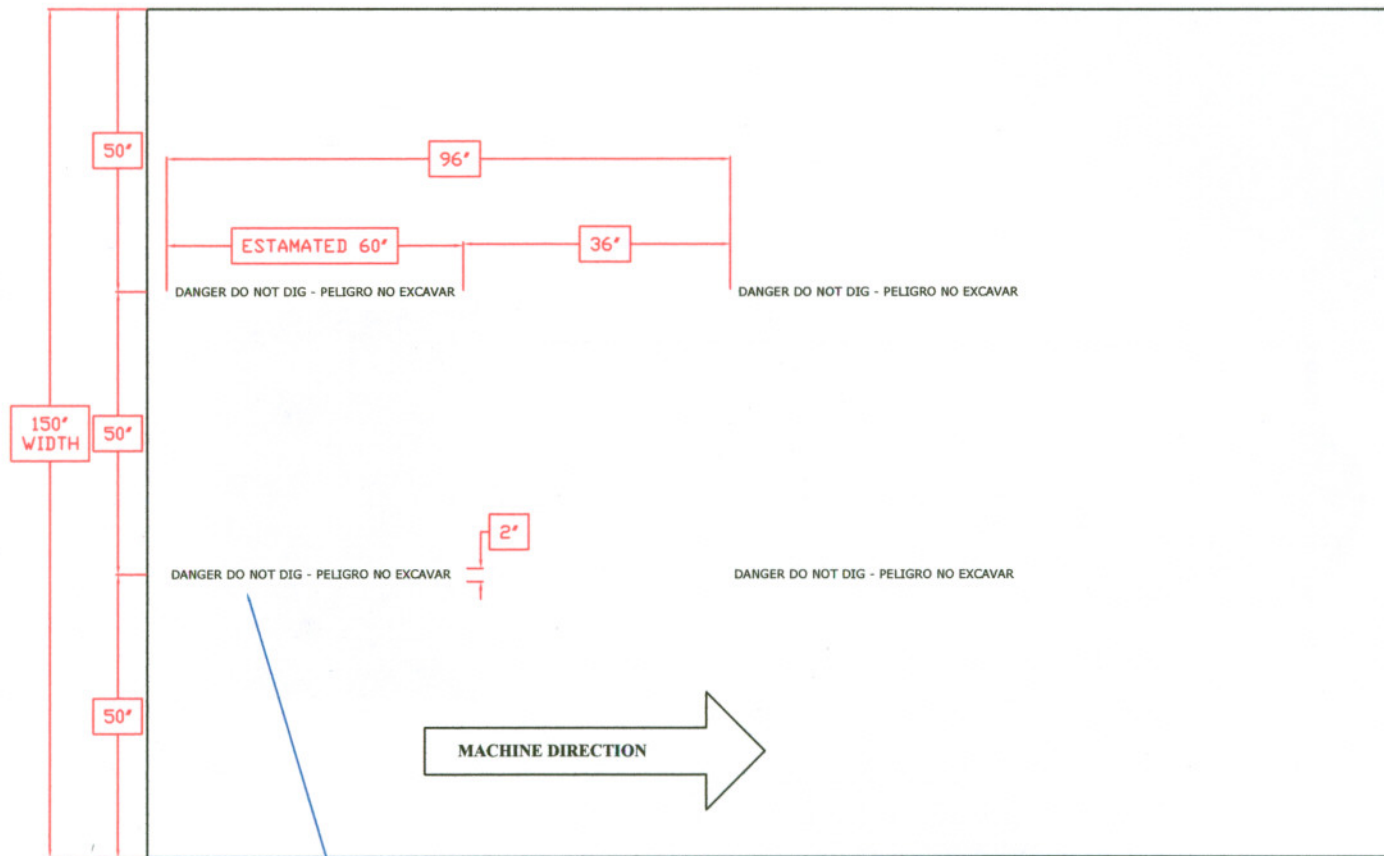
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| | REVISION DO NOT DIG - C |



TECHNICAL DATA SHEET

Geomembrane LLDPE Textured DS⁽³⁾

Solmax International Inc., 2801 Boul. Marie-Victorin, Varennes, Qc, Canada, J3X 1P7
Tel.: (450) 929-1234 Fax: (450) 929-2550 www.solmax.com

| PROPERTY | TEST METHOD | FREQUENCY ⁽¹⁾ | UNIT Imperial | Solmax 840T-1000 |
|---|-------------|--------------------------|------------------|---------------------|
| SPECIFICATIONS | | | | |
| Thickness (min. avg.) | ASTM D-5994 | Every roll | mils | 38.0 |
| Lowest individual for 8 out of 10 values | | | mils | 36.0 |
| Lowest individual for 10 out of 10 values | | | mils | 34.0 |
| Asperity Height (min. avg.) (3) | ASTM D-7466 | Every roll | mils | 15 |
| Resin Density | ASTM D-1505 | 1/Batch | g/cc | < 0.926 |
| Melt Index - 190/2.16 (max.) | ASTM D-1238 | 1/Batch | g/10 min | 1.0 |
| Sheet Density | ASTM D-1505 | Every 2 rolls | g/cc | < 0.939 |
| Carbon Black Content | ASTM D-4218 | Every 2 rolls | % | >2.0 / <3.0 |
| Carbon Black Dispersion | ASTM D-5596 | Every 6 rolls | Category | Cat. 1 & Cat. 2 |
| Oxidative Induction Time (min. ave) | ASTM D-3895 | 1/Batch | min | 100 |
| Tensile Properties (min. avg) (2) | ASTM D-6693 | Every 2 rolls | | |
| Strength at Break | | | ppi | 100 |
| Elongation at Break | | | % | 400 |
| 2% Modulus (max.) | ASTM D-5323 | Per formulation | ppi | 2,400 |
| Tear Resistance (min. avg.) | ASTM D-1004 | Every 6 rolls | lbf | 26 |
| Puncture Resistance (min. avg.) | ASTM D-4833 | Every 6 rolls | lbf | 56 |
| Dimensional Stability | ASTM D-1204 | Every 6 rolls | % | ± 2 |
| Multi-Axial Tensile (min.) | ASTM D-5617 | Per formulation | % | 30 |
| Oven Aging - % retained after 90 days | ASTM D-5721 | Per formulation | | |
| STD OIT (min. avg.) | ASTM D-3895 | | % | 35 |
| HP OIT (min. avg.) | ASTM D-5885 | | % | 60 |
| UV Resistance - % retained after 1600 hr | GRI-GM-11 | Per formulation | | |
| HP-OIT (min. avg.) | ASTM D-5885 | | % | 35 |
| SUPPLY SPECIFICATIONS (Roll dimensions may vary ±1%) | | | | |
| Roll Dimension - Width | - | | ft | 22.3 |
| Roll Dimension - Length | - | | ft | 780 |
| Area (Surface/Roll) | - | | sf | 17,394 |

NOTES

1. Testing frequency based on standard roll dimensions and one batch is approximately 180,000 lbs (or one railcar).
3. Of 10 readings; 8 out of 10 must be >7 mils (0.18 mm), and lowest individual reading must be >5 mils (0.13 mm). ASTM D7466 is identical to GRI-GM12.
2. Machine Direction (MD) and Cross Machine Direction (XMD or TD) average values should be on the basis of 5 specimens each direction.

* All values are nominal test results, except when specified as minimum or maximum.

* The information contained herein is provided for reference purposes only and is not intended as a warranty of guarantee. Final determination of suitability for use contemplated is the sole responsibility of the user. SOLMAX assumes no liability in connection with the use of this information.

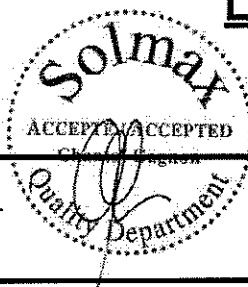


2801, Boul. Marie-Victorin
Varennnes, Quebec, Canada, J3X 1P7
Tel.: 1-450-929-1234
Tel.: 1-800-571-3904
Fax: 1-450-929-2547

List of Geomembrane Rolls

MF-CQ-01

Rev. 05/ 21 mars 2006



Project Name : **JERSEY CITY, NJ**

Reference Number : **103861**

Project Number : **12965**

Invoice Number : **208669**

| Roll Number | Product Code | Resin Lot Number | Manufactured Date | SP-NCTL ASTM D5397 (hr) | | |
|-------------|------------------|------------------|-------------------|----------------------------|--------|-------------|
| | | | | Specification | Result | Roll Tested |
| 1-91235 | Solmax 840T-1000 | 8110138 | 13-mars-11 | | N/A | N/A |
| 1-91236 | Solmax 840T-1000 | 8110138 | 13-mars-11 | | N/A | N/A |
| 1-91237 | Solmax 840T-1000 | 8110138 | 13-mars-11 | | N/A | N/A |
| 1-91238 | Solmax 840T-1000 | 8110138 | 13-mars-11 | | N/A | N/A |
| 1-91239 | Solmax 840T-1000 | 8110113 | 13-mars-11 | | N/A | N/A |
| 1-91240 | Solmax 840T-1000 | 8110113 | 13-mars-11 | | N/A | N/A |
| 1-91241 | Solmax 840T-1000 | 8110113 | 14-mars-11 | | N/A | N/A |
| 1-91242 | Solmax 840T-1000 | 8110113 | 14-mars-11 | | N/A | N/A |
| 1-91243 | Solmax 840T-1000 | 8110113 | 14-mars-11 | | N/A | N/A |

Quantity (rolls) :

9

Resin Certification

| Resin Lot | Melt index ASTM D1238 g/10min | Density ASTM D1505 g/cc | OIT ASTM D3895 min | HP-OIT ASTM D5885 min |
|-----------|-------------------------------------|-------------------------------|--------------------------|-----------------------------|
| 8110113 | 0.140 | 0.924 | 130 | N/A |
| 8110138 | 0.140 | 0.923 | 130 | N/A |



CoA Date: 02/01/2011

Certificate of Analysis

Shipped To: SOLMAX
2801 BOUL MARIE-VICTORIN
VARENNES QC J3X 1P7
CANADA

Recipient: Giguere
Fax:

CPC Delivery #: 88205816
PO #: 106821-0
Weight: 183500 LB
Ship Date: 02/01/2011
Package: BULK
Mode: Hopper Car
Car #: CEFX050101
Seal No: 257791

Product:
MARLEX POLYETHYLENE K203 BULK
OIT > 80 minutes (nominal value, not tested on every lot).

Lot Number: 8110113

| Property | Test Method | Value | Unit |
|-----------------|----------------|------------|--------|
| Melt Index | ASTM D1238 | 0.140 | g/10mi |
| HLMI Flow Rate | ASTM D1238 | 15.40 | g/10mi |
| Density | D1505 or D4883 | 0.9240 | g/cm3 |
| Production Date | | 01/29/2011 | |

The data set forth herein have been carefully compiled by Chevron Phillips Chemical Company LP. However, there is no warranty of any kind, either expressed or implied, applicable to its use, and the user assumes all risk and liability in connection therewith.

Troy Griffin
Quality Systems Coordinator

Chantal
Gagnon
 2011.02.15
08:17:35
-05'00'

For CoA questions contact Customer Service Representative at 800-231-1212



CoA Date: 02/08/2011

Certificate of Analysis

| | |
|---|---|
| Shipped To: SOLMAX 2801 BOUL MARIE-VICTORIN VARENNES QC J3X 1P7 CANADA | CPC Delivery #: 88208769 PO #: 106851-0 Weight: 179300 LB Ship Date: 02/08/2011 Package: BULK Mode: Hopper Car Car #: PSPX007119 Seal No: 263399 |
| Recipient: Giguere Fax: | |

Product:
MARLEX POLYETHYLENE K203 BULK
OIT > 80 minutes (nominal value, not tested on every lot).

Lot Number: 8110138

| Property | Test Method | Value | Unit |
|-----------------|----------------|------------|--------|
| Melt Index | ASTM D1238 | 0.140 | g/10mi |
| HLM Flow Rate | ASTM D1238 | 13.60 | g/10mi |
| Density | D1505 or D4883 | 0.9230 | g/cm3 |
| Production Date | | 02/05/2011 | |

The data set forth herein have been carefully compiled by Chevron Phillips Chemical Company LP.
However, there is no warranty of any kind, either expressed or implied, applicable to its use, and the user assumes
all risk and liability in connection therewith.

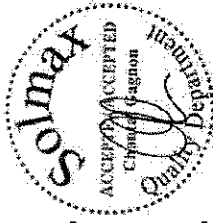
Troy Griffin
Quality Systems Coordinator

Chantal
Gagnon
2011.02.21
10:01:54
-05'00'

For CoA questions contact Customer Service Representative at 800-231-1212

Manufacturing Quality Control Test Results - Rolls

MF-CQ-11
Rev. 04/ 10-12-04



Project Name : JERSEY CITY, NJ

Project Number : 12965

Ref. Number : 103861 **Invoice Number :** 208669

Product : Solmax 840T-1000

| Properties | Unit | Thickness ave / min. mils | Geomembrane Density g/cc | Carbon Black Content % | Carbon Black Dispersion Cat. 1 and Cat. 2 | Yield Strength ppi | Elong. % | Break Strength ppi | Elong. % | Tear Resistance lbs | Puncture Resistance lbs | Dimension. Stability % | Asperity Height in / out mils |
|----------------|----------|---------------------------------|--------------------------------|------------------------------|---|---|-------------|--------------------------|-------------|---------------------------|-------------------------------|------------------------------|-------------------------------------|
| Test Method | D5994 | Each roll | D1505/D792 | D4218 | D5596 | D6693 Resistance tension (D 638, Type IV) | | | | D1004 | D4833 | D1204 | ASTM D-7466 |
| Frequency | 38 / 34 | 38 / 34 | 1/2 ro | 1/2 ro | 1/6 ro | 1/2 ro | | | | 1/6 ro | 1/6 ro | 1/6 ro | Each roll |
| Specification | MD XD | 38 / 36 | <0.939 | >2.0 / <3.0 | Cat. 1 Cat. 2 | 100 | 400 | 599 | 557 | 26 | 56 | ± 2 | 15 |
| 1-91235 | MD XD | 38 / 36 | 0.934 | 2.4 | 10 / 10 Views | | | 143 | 599 | 28.7 | 95.3 | -0.67 0.08 | 20.4 / 20.1 |
| 1-91236 | MD XD | 39 / 37 | 0.934 | 2.4 | 10 / 10 Views | | | 143 | 599 | 28.7 | 95.3 | -0.67 0.08 | 18.8 / 18.8 |
| 1-91237 | MD XD | 38 / 36 | 0.936 | 2.6 | 10 / 10 Views | | | 133 | 566 | 28.7 | 95.3 | -0.67 0.08 | 19.4 / 18.6 |
| 1-91238 | MD XD | 38 / 35 | 0.936 | 2.6 | 10 / 10 Views | | | 133 | 566 | 28.7 | 95.3 | -0.67 0.08 | 19.7 / 18.1 |
| 1-91239 | MD XD | 38 / 36 | 0.936 | 2.6 | 10 / 10 Views | | | 132 | 562 | 28.7 | 95.3 | -0.67 0.08 | 18.9 / 19.5 |
| 1-91240 | MD XD | 38 / 36 | 0.936 | 2.7 | 10 / 10 Views | | | 132 | 562 | 28.7 | 95.3 | -0.67 0.08 | 19.2 / 18.5 |
| 1-91241 | MD XD | 38 / 35 | 0.936 | 2.7 | 10 / 10 Views | | | 129 | 545 | 29.3 | 99.9 | -0.38 0.05 | 18.3 / 17.6 |
| 1-91242 | MD XD | 39 / 37 | 0.936 | 2.7 | 10 / 10 Views | | | 129 | 545 | 29.3 | 99.9 | -0.38 0.05 | 18.2 / 18.3 |
| 1-91243 | MD XD | 38 / 35 | 0.936 | 2.7 | 10 / 10 Views | | | 143 | 597 | 29.3 | 99.9 | -0.38 0.05 | 18.1 / 18.1 |

ANALYSIS REPORT

SCC Accreditation No.: 40

Mr. Guy Elie
SOLMAX INTERNATIONAL

DATE: November 12, 2003

FILE: S243-020-2-1

PRODUCT: One (1) LLDPE geomembrane sample identified : 35275

(Received : June 9, 2003)

STANDARD :

TEST : Air-Oven Aging of Polyolefin Geomembranes

ASTM D5721 - 95

Reapproved 2002

Modified GM13-6/23/03

TEST CONDITIONS : Oven aging:

- Oven Temperature : 85° C; Duration : 90 days;

- 2 test specimens.

OIT (ASTM D3895):

- Apparatus used: DSC 2910 Differential Scanning Calorimeter TA Instruments;

- Temperature: 200 °C

HP-OIT (ASTM D5885):

- Apparatus used: DSC 2910 Differential Scanning Calorimeter TA Instrument;

- Temperature: 150 °C; Pressure: 500 psi;

Date tested : June 17, 2003 to September 23, 2003.

RESULTS:

| 35275 | OIT (min.) | | HP-OIT (min.) | |
|--------------------------------|------------|-------------|---------------|-------------|
| | Initials | After Aging | Initials | After Aging |
| Specimen #1 | 112 | 73 | 332 | 270 |
| Specimen #2 | 110 | 76 | 318 | 271 |
| Average | 111 | 75 | 325 | 271 |
| Percent Retained after 90 days | 68 | | 83 | |

Prepared by:

Nancy Fontaine

Nancy Fontaine
Technician

Approved by:

Eric Blond
Eric Blond, Eng., M.A.Sc.
Technical Director

For any information concerning this report, please contact Mr. Éric Blond.

The samples in relation to this test are retained for a period of 1 year following the expedition day of the written report, unless other instructions are received. The fees for all services after the tests are 125,00 \$ per hour and for appraisal in Court, 195,00\$ per hour. The above reported results refer exclusively to the samples submitted for evaluation. This report cannot be partly used or reproduced without SAGEOS written consent.

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www.sageos.com 1 877 724-3677 1 450 771-4608 Fax : 1 450 778-3901

*ISO 9001 : 2000

ANALYSIS REPORT SCC Accreditation No.: 40

Mr. Guy Elie
SOLMAX INTERNATIONAL

DATE: November 12, 2003

FILE: S243-020-2-2

PRODUCT: One (1) LLDPE geomembrane sample identified : 35275

(Received : June 9, 2003)

STANDARD :

TEST : Accelerated Weathering of Geomembranes using a Fluorescent
UVA-Condensation Exposure Device GRI GM11 (Dec. 1997)

TEST CONDITIONS : UV Exposition:

- Apparatus: Q-PANEL QUV/spray, Lamp: UVA-340;
- Irradiation: 0,72 W/m²/nm @ 340 nm
- Duration: 1600 hours of UV (1920 hours total); Cycle: 20 hours of light at 75°C; 4 hours of condensation at 60°C;
- 2 test specimens.
- HP-OIT (ASTM D5885):
 - Apparatus used: DSC 2910 Differential Scanning Calorimeter TA Instrument;
 - Temperature: 150 °C; Pressure: 500 psi;
 - Date tested : June 12, 2003 to October 6, 2003.

RESULTS:

| 35275 | HP-OIT (min.) | |
|-----------------------------------|---------------|-------------|
| | Initials | After Aging |
| Specimen #1 | 332 | 175 |
| Specimen #2 | 318 | 199 |
| Average | 325 | 187 |
| Percent Retained after 1600 hours | 58 | |

Prepared by:

Nancy Fontaine

Nancy Fontaine
Technician

Approved by:

Eric Blond
Eric Blond, Eng., M.A.Sc.
Technical Director
Nov. 13, 03

****For any information concerning this report, please contact Mr. Eric Blond.****

The samples in relation to this test are retained for a period of 1 year following the expedition day of the written report, unless other instructions are received. The fees for all services after the tests are 125,00 \$ per hour and for appraisal in Court, 195,00\$ per hour. The above reported results refer exclusively to the samples submitted for evaluation. This report cannot be partly used or reproduced without SAGEOS written consent.

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www.sageos.com 1 877 724-3677 1 450 771-1608 Fax : 1 450 778-3901

ISO 9001 : 2000



TRI/ENVIRONMENTAL, INC.
A Texas Research International Company

GEOMEMBRANE TEST RESULTS

TRI Client: SOLMAX International
Project: 8084 CG

Material: 40 mil LLDPE Geomembrane
Sample Identification: Roll 35275
TRI Log #: E2183-14-1

| PARAMETER | TEST REPLICATE NUMBER | | | | | | | | | | STD. |
|--|-----------------------|------|---|---|---|---|---|---|---|----|--------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | MEAN DEV. |
| Multi-axial Tensile (ASTM D 5617) | | | | | | | | | | | |
| Test Method A: Centerpoint Deflection Versus Pressure | | | | | | | | | | | |
| Thickness (mils) | 39 | 40 | | | | | | | | | 40 1 |
| Maximum Stress (psi) | 1453 | 1398 | | | | | | | | | 1426 28 |
| % Elongation @ Rupture (%) | 57.6 | 51.8 | | | | | | | | | 54.7 2.9 |
| Failure Description | HCAT | HCAT | | | | | | | | | |
| | NEF | NEF | | | | | | | | | |
| HCAT Circular or elliptical hole in an area where material has significantly thinned | | | | | | | | | | | |
| NEF No edge failure | | | | | | | | | | | |

MD Machine Direction
TD Transverse Direction

The testing is based upon accepted industry practice as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claim as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.

**Groupe CTT Group**

Geosynthetics Division SAGEOS Géosynthétiques

ANALYSIS REPORT
SCC Accreditation No.: 40Mr. Guy Élie
SOLMAX INTERNATIONAL INC.DATE: May 30, 2007
FILE: S243-115-19627B

PRODUCT: One (1) geomembrane identified : #35275 (840) LLDPE, made from K203 resin

(Received : June 9, 2003)

STANDARD : Standard Specification for Flexible Poly(Vinyl Chloride) Plastic
Sheeting for Pond, Canal and Reservoir Lining. ASTM D3083-89
Soil Burial.TEST : Tensile Properties of Plastics. ASTM D638 - 01
Modified GRI-GM13

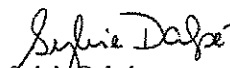
TEST CONDITIONS : Soil burial was performed in an external laboratory;
 Tensile test conditions:
 Conditioned sample (21 °C, 65 % R.H.);
 Apparatus used: Dynamometer with a Constant Rate of Extension (CRE);
 Speed: 50 mm/min; Grip distance: 65 mm;
 Gage length used to calculate percentages of elongation:
 33 mm for yield point and 50 mm for break point;
 5 test specimens (type IV) per direction (initial product and after soil burial).
 Date tested : November 12, 2003.

RESULTS:

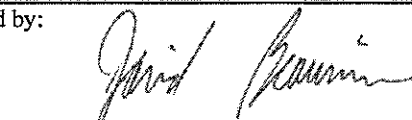
| | AT YIELD | | AT BREAK | | 2% Secant Modulus (N/mm) |
|--|---------------------|----------------|---------------------|----------------|--------------------------------|
| Direction | Strength (lb/in) | Elongation (%) | Strength (lb/in) | Elongation (%) | |
| Initial Values | | | | | |
| Machine | 82.1 | 20.2 | 198.3 | 827 | 243.2 |
| Cross | 85.3 | 16.7 | 207.9 | 983 | 259.9 |
| Values After Soil Burial | | | | | |
| Machine | 82.3 | 20.8 | 193.2 | 808 | 236.3 |
| Cross | 85.1 | 17.6 | 201.6 | 922 | 257.3 |
| Percentage of Change after Soil Burial | | | | | |
| Machine | +0,2 % | +3,0 % | -2,6 % | -2,3 % | -2,8 % |
| Cross | -0,2 % | +5,4 % | -3,0 % | -6,2 % | -1,0 % |

Note: plus (+) : gain; minus (-) : loss.

Prepared by:


 Sylvie Dalpé
 Technician

Approved by:


 For: Eric Blond, Eng., M.A.Sc.
 Technical Director

For any information concerning this report, please contact Mr. Eric Blond.

The samples in relation to this test are retained for a period of 30 days following the expedition day of the written report, unless other instructions are received. The fees for all services after the tests are 125,00 \$ per hour and for appraisal in Court, 195,00\$ per hour. The above reported results refer exclusively to the samples submitted for evaluation. This report cannot be partly used or reproduced without SAGEOS written consent.

BENTOMAT ST TECHNICAL DATA SHEET

| | | |
|---|-------------------------------|-------------|
| Bentonite Swell Index ¹ | ≥ 24 ml/2 g | ASTM D 5890 |
| Bentonite Fluid Loss ¹ | ≤ 18 ml | ASTM D 5891 |
| Bentonite Mass ² | ≥ 4600 g/sqm | ASTM D 5993 |
| Grab Strength ³ | ≥ 600 N | ASTM D 4632 |
| Peel Strength ³ | ≥ 65 N | ASTM D 4632 |
| Permeability ⁴ (D = 100 mm) | ≤ 5 x 10 ⁻¹¹ m/sec | ASTM D 5887 |
| Woven Geotextile Mass | ≥ 105 g/sqm | ASTM D 5261 |
| Non-woven Geotextile Mass | ≥ 200 g/sqm | ASTM D 5261 |
| Hydrated Internal Shear Strength ⁵ | > 24 kPa | ASTM D 5321 |

Bentomat "ST" is a reinforced GCL consisting of a layer of sodium bentonite between a woven and a non-woven geotextile, which are needlepunched together.

BENTOMAT ST TECHNICAL DATA SHEET

| | |
|----------------|-----------------------------------|
| Dimensions | 5 meter wide; 65 cm roll diameter |
| Nominal Weight | 1050 kg |
| Panel Size | 5 meter wide; 40 meter long |
| Panel Area | 200 m ² |
| Core Size | 100 mm |
| Packaging | PE film |

Notes:

¹ Bentonite property tests performed at CETCO's bentonite processing facility before shipment to CETCO's GCL production facilities.

² Bentonite mass/area reported at 20% percent moisture content.

³ All tensile testing is performed in the machine direction, with results as minimum average roll values unless otherwise indicated.

⁴ Index flux and permeability testing with deaired distilled/deionized water at 80-psi (551 kPa) cell pressure, 77 psi (531 kPa) headwater pressure and 75 psi (517 kPa) tailwater pressure. Flux and permeability values above should not be used for equivalency calculations unless the pressures and gradients used represent field conditions.

⁵ Typical peak values measured at 200 psf (10 kPa) and 10,800 psf (517 kPa) normal stress. Site-specific materials, GCL products, and test conditions must be used to verify internal and interface strength of the proposed design.

BENTOMAT® ST CERTIFIED PROPERTIES

| MATERIAL PROPERTY | TEST METHOD | TEST FREQUENCY ft ² (m ²) | REQUIRED VALUES |
|---|----------------------------|---|--|
| Bentonite Swell Index ¹ | ASTM D 5890 | 1 per 50 tonnes | 24 ml/2g min. |
| Bentonite Fluid Loss ¹ | ASTM D 5891 | 1 per 50 tonnes | 18 ml max. |
| Bentonite Mass/Area ² | ASTM D 5993 | 40,000 ft ² (4,000 m ²) | 0.75 lb/ft ² (3.6 kg/m ²) min |
| GCL Grab Strength ³ | ASTM D 6768 | 200,000 ft ² (20,000 m ²) | 30 lbs/in (53 N/cm) MARV |
| GCL Peel Strength ³ | ASTM D 6496 | 40,000 ft ² (4,000 m ²) | 3.5 lbs/in (6.1 N/cm) min |
| GCL Index Flux ⁴ | ASTM D 5887 | Weekly | 1 x 10 ⁻⁸ m ³ /m ² /sec max |
| GCL Hydraulic Conductivity ⁴ | ASTM D 5887 | Weekly | 5 x 10 ⁻⁹ cm/sec max |
| GCL Hydrated Internal Shear Strength ⁵ | ASTM D 5321 ASTM D 6243 | Periodic | 500 psf (24 kPa) typ @ 200 psf |

Bentomat ST is a reinforced GCL consisting of a layer of sodium bentonite between a woven and a nonwoven geotextiles, which are needlepunched together.

Notes

¹ Bentonite property tests performed at a bentonite processing facility before shipment to CETCO's GCL production facilities.

² Bentonite mass/area reported at 0 percent moisture content.

³ All tensile strength testing is performed in the machine direction using ASTM D 6768. All peel strength testing is performed using ASTM D 6496. Upon request, tensile and peel results can be reported per modified ASTM D 4632 using 4 inch grips.

⁴ Index flux and permeability testing with deaired distilled/deionized water at 80 psi (551kPa) cell pressure, 77 psi (531 kPa) headwater pressure and 75 psi (517 kPa) tailwater pressure. Reported value is equivalent to 925 gal/acre/day. This flux value is equivalent to a permeability of 5x10⁻⁹ cm/sec for typical GCL thickness. Actual flux values vary with field condition pressures. The last 20 weekly values prior the end of the production date of the supplied GCL may be provided.

⁵ Peak values measured at 200 psf (10 kPa) normal stress for a specimen hydrated for 48 hours. Site-specific materials, GCL products, and test conditions must be used to verify internal and interface strength of the proposed design.

CETCO has developed an edge enhancement system that eliminates the need to use additional granular sodium bentonite within the overlap area of the seams. We call this edge enhancement, SuperGroove™, and it comes standard on both longitudinal edges of Bentomat® ST. It should be noted that SuperGroove™ does not appear on the end-of-roll overlaps and recommend the continued use of supplemental bentonite for all end-of-roll seams.



Certified Properties

BENTOMAT® CL CERTIFIED PROPERTIES

| MATERIAL PROPERTY | TEST METHOD | TEST FREQUENCY ft ² (m ²) | REQUIRED VALUES |
|---|----------------------------|---|--|
| Bentonite Swell Index ¹ | ASTM D 5890 | 1 per 50 tonnes | 24 mL/2g min. |
| Bentonite Fluid Loss ¹ | ASTM D 5891 | 1 per 50 tonnes | 18 mL max. |
| Bentonite Mass/Area ² | ASTM D 5993 | 40,000 ft ² (4,000 m ²) | 0.75 lb/ft ² (3.6 kg/m ²) min |
| GCL Grab Strength ³ | ASTM D 4632 ASTM D 6768 | 200,000 ft ² (20,000 m ²) | 120 lbs (530 N) MARV 30 lbs/in (53 N/cm) MARV |
| GCL Peel Strength ³ | ASTM D 4632 ASTM D 6496 | 40,000 ft ² (4,000 m ²) | 15 lbs (65 N) min 2.5 lbs/in (4.4 N/cm) min |
| GCL Index Flux ⁴ | ASTM D 5887 | Periodic | 1 x 10 ⁻⁹ m ³ /m ² /sec max |
| GCL Hydraulic Conductivity ⁴ | ASTM D 5887 | Periodic | 5 x 10 ⁻¹⁰ cm/sec max |
| GCL Hydrated Internal Shear Strength ⁵ | ASTM D 5321 ASTM D 6243 | Periodic | 500 psf (24 kPa) typical |

Bentomat CL is a reinforced GCL consisting of a layer of sodium bentonite between two geotextiles, which are needlepunched together and laminated to a thin flexible membrane liner.

Notes

¹ Bentonite property tests performed at a bentonite processing facility before shipment to CETCO's GCL production facilities.

² Bentonite mass/area reported at 0 percent moisture content.

³ All tensile strength and peel strength testing is performed in the machine direction using 4 inch grips per modified ASTM D 4632. Results are reported as minimum average roll values unless otherwise indicated. Upon request, tensile strength can be reported per ASTM D 6768 and peel strength can be reported per ASTM D 6496.

⁴ ASTM D5887 Index flux and hydraulic conductivity testing with deaired distilled/deionized water at 80 psi (551 kPa) cell pressure, 77 psi (531 kPa) headwater pressure and 75 psi (517 kPa) tailwater pressure. Reported value is equivalent to 92 gal/acre/day. This flux value is equivalent to a permeability of 5x10⁻¹⁰ cm/sec for typical GCL thickness. ASTM D 5887 testing is performed only on a periodic basis because the membrane is essentially impermeable.

⁵ Peak value measured at 200 psf (10 kPa) normal stress for a specimen hydrated for 48 hours. Site-specific materials, GCL products, and test conditions must be used to verify internal and interface strength of the proposed design.



1500 W. Shure Drive Arlington Heights, IL 60004 USA 800.527.9948 Fax 847.577.5571

For the most up-to-date information please visit our website, www.cetco.com

A wholly owned subsidiary of AMCOL International

The information and data contained herein are believed to be accurate and reliable. CETCO makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

Revised 09/04
TR 401-BMCL

BENTOMAT® GEOSYNTHETIC CLAY LINERS (GCL)

Bentomat ST is the most commonly specified GCL in the world, proving ideal for standard applications involving slopes up to 3H: 1V. Bentomat ST consists of a layer of Volclay sodium bentonite encapsulated between woven and non-woven geotextiles, which are needle-punched together to provide internal reinforcement. The internal reinforcement minimizes clay shifting, thus allowing the GCL to maintain consistent low permeability and maximum performance under a wide variety of field conditions.



Bentomat SDN is also a reinforced GCL consisting of a layer of Volclay sodium bentonite between two non-woven geotextiles. The two non-woven geotextiles impart good interface friction between the GCL and adjacent soils or textured geomembranes, making this GCL a cost-effective alternative for moderate to steep slopes requiring good overall liner system stability.



Bentomat DN is commonly used in some of the most demanding applications including canyon landfills in the western United States, where slopes are as steep as 1.5H: 1V. This GCL is reinforced and consists of a layer of Volclay sodium bentonite between two heavier weight non-woven geotextiles, making this GCL suitable for applications requiring high internal and interface shear strength.



Bentomat STM is a reinforced GCL commonly specified in mining applications. This GCL consists of a layer of Volclay sodium bentonite encapsulated between a woven and non-woven geotextile. The reduced bentonite loading results in a lighter weight product that is more cost-effective and easier to transport to remote mining sites. The lower bentonite weight can serve as a good alternative for projects where hydraulic requirements may not be as stringent.



Bentomat 200R is a needle-punched GCL consisting of a layer of Volclay sodium bentonite encapsulated between light-weight non-woven and woven geotextiles. This GCL is an excellent cost-effective alternative to compacted clay as the low-permeability liner under a geomembrane in applications with slopes up to 10H: 1V, or where high internal shear strength is not critical.



Bentomat CL is a reinforced GCL consisting of two carrier geotextiles encapsulating a layer of Volclay sodium bentonite, with a flexible membrane liner laminated to one side. This GCL provides excellent hydraulic performance and has puncture and tensile strengths beyond conventional plastic membranes. These characteristics make this GCL applicable for use in landfill covers, ponds and liquid containment projects with slopes up to 3H: 1V.



Bentomat CLT is a reinforced GCL consisting of a layer of Volclay sodium bentonite between two geotextiles and laminated to a textured HDPE geomembrane. The addition of the geomembrane to the GCL increases the hydraulic resistance, and the textured surface increases the interface friction between the GCL and adjacent substrate. These characteristics make this GCL ideal for more demanding landfill covers and liquid containment applications involving steep slopes.



Bentomat 600CL is a new product for non-reinforced, low shear strength applications and consists of two light-weight geotextiles encapsulating a layer of Volclay sodium bentonite with a flexible membrane liner laminated to one of the geotextiles. This GCL may be used for flat areas of landfill caps and high hydraulic head conditions in liquid containment applications.

ASSOCIATED DOCUMENTS

| PRODUCT | REINFORCED | COVER GEOTEXTILE TYPE & WEIGHT | BASE GEOTEXTILE TYPE & WEIGHT | SLOPE* | GEOMEMBRANE | SUPERGROOVE | BENTONITE MASS | PEEL STRENGTH | PERMEABILITY** | POTENTIAL APPLICATION |
|----------------|------------|-------------------------------------|-------------------------------------|---------|-------------------------------------|-------------|-------------------------|------------------|----------------------------|----------------------------|
| BENTOMAT DN | YES | NON-WOVEN 6 Oz/YD ² | NON-WOVEN 6 Oz/YD ² | >3H:1V | No | YES | 0.75 LB/FT ² | 3.5 LB/IN | 5X10 ⁻⁹ cm/sec | LL, LC, SIC, M |
| BENTOMAT SDN | YES | NON-WOVEN 6 Oz/YD ² | NON-WOVEN 2.7 Oz/YD ² | <3H:1V | No | YES | 0.75 LB/FT ² | 3.0 LB/IN | 5X10 ⁻⁹ cm/sec | LL, LC, SIC, M |
| BENTOMAT ST | YES | NON-WOVEN 6 Oz/YD ² | WOVEN 3.2 Oz/YD ² | ≤3H:1V | No | YES | 0.75 LB/FT ² | 3.5 LB/IN | 5X10 ⁻⁹ cm/sec | LL, LC, SIC, M |
| BENTOMAT STM | YES | NON-WOVEN 6 Oz/YD ² | WOVEN 3.2 Oz/YD ² | ≤3H:1V | No | YES | 0.50 LB/FT ² | 3.5 LB/IN | 5X10 ⁻⁹ cm/sec | LL, LC, SIC, M |
| BENTOMAT 200R | No | NON-WOVEN 3.5 Oz/YD ² | WOVEN 3.2 Oz/YD ² | ≤10H:1V | No | YES | 0.75 LB/FT ² | 1.0 LB/IN | 5X10 ⁻⁹ cm/sec | LL, LC, SIC, M |
| CLAYMAX 200R | No | NON-WOVEN 2.2 Oz/YD ² | NON-WOVEN 2.7 Oz/YD ² | ≤10H:1V | No | No | 0.75 LB/FT ² | N/A | 5X10 ⁻⁹ cm/sec | LL, LC, SIC, M |
| BENTOMAT CL | YES | NON-WOVEN 6 Oz/YD ² | WOVEN 3.2 Oz/YD ² | ≤3H:1V | 4-MIL (90G/M ²) HDPE | No | 0.75 LB/FT ² | 3.5 LB/IN | 5X10 ⁻¹⁰ cm/sec | LL, LC, SIC, CL, SIL, M |
| BENTOMAT CLT | YES | NON-WOVEN 6 Oz/YD ² | WOVEN 3.2 Oz/YD ² | >3H:1V | 20-MIL (0.5MM)TEX- TURED HDPE | No | 0.75 LB/FT ² | 3.5 LB/IN | 5X10 ⁻¹⁰ cm/sec | LL, LC, SIC, CL, SIL, M |
| BENTOMAT 600CL | No | NON-WOVEN 3.5 Oz/YD ² | WOVEN 3.2 Oz/YD ² | ≤10H:1V | 4-MIL (90G/M ²) HDPE | No | 0.75 LB/FT ² | 1.0 LB/IN | 5X10 ⁻¹⁰ cm/sec | LL, LC, SIC, CL, SIL, M |

* Maximum slope will depend on site conditions (geometry, normal loads, pore pressures, etc.) A project-specific slope stability analysis and direct shear testing is recommended to confirm stability.

**Per ASTM D5887, @ 5 psi confining pressure and 2 psi hydraulic head.

LL: Landfill Liner LC: Landfill Cover SIL: Surface Impoundment Liner SIC: Surface Impoundment Cover M: Mining



Date: 2011-04-25

Mail To:
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500 - 520 Rt. 440 N.
Jersey City , NJ , 07305

Bill To:
Geosyntec Consultants
Project # : MQ0788

e-mail:jsoborn@geosyntec.com

Dear Mr. Osborn,

Thank you for consulting with TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project: **NJCU/SA-5**

TRI Job Reference Number: **5419**

Material(s) Tested: (2) Heat Fusion Weld Seam(s)

Test(s) Requested: SAME DAY Peel and Shear
(ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

Codes:

| | |
|---------|---|
| AD | Adhesion Failure (100% Peel) |
| BRK | Break in sheeting away from Seam edge. |
| SE | Break in sheeting at edge of seam. |
| AD-BRK | Break in sheeting after some adhesion failure - partial peel. |
| SIP | Separation in the plane of the sheet (leaving the bond intact). |
| FTB | Film tearing bond (all non "AD" failures). |
| NON-FTB | 100% peel. |

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Jennifer Tenney
Project Manager
Geosynthetic Services Division
<http://www.geosyntheticstestinc.com>



DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS

TRI Client: Geosyntec Consultants

Project: NJCU/SA-5

Material: 40mil. LLDPE

SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

TRI Log#: 5419

| TEST REPLICATE NUMBER | | | | | | |
|-------------------------------------|-----|-----|-----|-----|-----|--------|
| PARAMETER | 1 | 2 | 3 | 4 | 5 | MEAN |
| Sample ID: DS-2 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 88 | 88 | 89 | 86 | 93 | 89 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 78 | 88 | 80 | 80 | 85 | 82 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 99 | 95 | 97 | 97 | 99 | 97 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |
| Sample ID: DS-3 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 87 | 86 | 87 | 84 | 87 | 86 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 91 | 91 | 90 | 93 | 89 | 91 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 97 | 98 | 97 | 100 | 96 | 98 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |

The testing is based upon accepted industry practices as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claims as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.



Date: 2011-04-28

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sbbills@mactec.com

Dear Mr. Osborn,

Thank you for consulting with TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project: **NJCU/SA-5**

TRI Job Reference Number: **5438**

Material(s) Tested: (3) Heat Fusion Weld Seam(s)

Test(s) Requested: SAME DAY Peel and Shear
(ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

Codes:

| | |
|---------|---|
| AD | Adhesion Failure (100% Peel) |
| BRK | Break in sheeting away from Seam edge. |
| SE | Break in sheeting at edge of seam. |
| AD-BRK | Break in sheeting after some adhesion failure - partial peel. |
| SIP | Separation in the plane of the sheet (leaving the bond intact). |
| FTB | Film tearing bond (all non "AD" failures). |
| NON-FTB | 100% peel. |

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Jennifer Tenney
Project Manager
Geosynthetic Services Division
<http://www.geosyntheticstestinc.com>



DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS

TRI Client: Geosyntec Consultants

Project: NJCU/SA-5

Material: 40mil. LLDPE

SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

TRI Log#: 5438

| TEST REPLICATE NUMBER | | | | | | |
|-------------------------------------|-----|-----|-----|-----|-----|--------|
| PARAMETER | 1 | 2 | 3 | 4 | 5 | MEAN |
| Sample ID: DS-4 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 85 | 91 | 91 | 91 | 86 | 89 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 90 | 91 | 94 | 87 | 89 | 90 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 96 | 98 | 95 | 97 | 97 | 97 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |
| Sample ID: DS-5 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 81 | 82 | 86 | 80 | 80 | 82 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 85 | 89 | 79 | 85 | 83 | 84 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 98 | 93 | 95 | 94 | 95 | 95 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |

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DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS

TRI Client: Geosyntec Consultants

Project: NJCU/SA-5

Material: 40mil. LLDPE

SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

TRI Log#: 5438

| TEST REPLICATE NUMBER | | | | | | |
|-------------------------------------|-----|-----|-----|-----|-----|--------|
| PARAMETER | 1 | 2 | 3 | 4 | 5 | MEAN |
| Sample ID: DS-6 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 88 | 84 | 90 | 85 | 83 | 86 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 89 | 87 | 83 | 89 | 86 | 87 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 93 | 92 | 92 | 91 | 91 | 92 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |

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Date: 2011-04-28

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Jersey City , NJ , 07305

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Project # : MQ0788

e-mail:

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sbbills@mactec.com

Dear Mr. Osborn,

Thank you for consulting with TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project: **NJCU/SA-5**

TRI Job Reference Number: **5438**

Material(s) Tested: (3) Heat Fusion Weld Seam(s)

Test(s) Requested: SAME DAY Peel and Shear
(ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

Codes:

| | |
|---------|---|
| AD | Adhesion Failure (100% Peel) |
| BRK | Break in sheeting away from Seam edge. |
| SE | Break in sheeting at edge of seam. |
| AD-BRK | Break in sheeting after some adhesion failure - partial peel. |
| SIP | Separation in the plane of the sheet (leaving the bond intact). |
| FTB | Film tearing bond (all non "AD" failures). |
| NON-FTB | 100% peel. |

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Jennifer Tenney
Project Manager
Geosynthetic Services Division
<http://www.geosyntheticstestinc.com>



DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS

TRI Client: Geosyntec Consultants

Project: NJCU/SA-5

Material: 40mil. LLDPE

SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

TRI Log#: 5438

| TEST REPLICATE NUMBER | | | | | | |
|-------------------------------------|-----|-----|-----|-----|-----|--------|
| PARAMETER | 1 | 2 | 3 | 4 | 5 | MEAN |
| Sample ID: DS-4 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 85 | 91 | 91 | 91 | 86 | 89 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 90 | 91 | 94 | 87 | 89 | 90 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 96 | 98 | 95 | 97 | 97 | 97 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |
| Sample ID: DS-5 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 81 | 82 | 86 | 80 | 80 | 82 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 85 | 89 | 79 | 85 | 83 | 84 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 98 | 93 | 95 | 94 | 95 | 95 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |

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DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS

TRI Client: Geosyntec Consultants

Project: NJCU/SA-5

Material: 40mil. LLDPE

SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

TRI Log#: 5438

| PARAMETER | TEST REPLICATE NUMBER | | | | | MEAN |
|-------------------------------------|-----------------------|-----|-----|-----|-----|--------|
| | 1 | 2 | 3 | 4 | 5 | |
| Sample ID: DS-6 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 88 | 84 | 90 | 85 | 83 | 86 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 89 | 87 | 83 | 89 | 86 | 87 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 93 | 92 | 92 | 91 | 91 | 92 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |

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Date: 2011-05-02

Mail To:
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Jersey City , NJ , 07305

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Project # : MQ0788

e-mail:

jsoborn@geosyntec.com BYork@Geosyntec.com cburdick@chenangocontracting.com dmambrose@mactec.com
sbbills@mactec.com

Dear Mr. Osborn,

Thank you for consulting with TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project: **NJCU/SA-5**

TRI Job Reference Number: **5449**

Material(s) Tested: (2) Heat Fusion Weld Seam(s)

Test(s) Requested: SAME DAY Peel and Shear
(ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

Codes:

| | |
|---------|---|
| AD | Adhesion Failure (100% Peel) |
| BRK | Break in sheeting away from Seam edge. |
| SE | Break in sheeting at edge of seam. |
| AD-BRK | Break in sheeting after some adhesion failure - partial peel. |
| SIP | Separation in the plane of the sheet (leaving the bond intact). |
| FTB | Film tearing bond (all non "AD" failures). |
| NON-FTB | 100% peel. |

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Jennifer Tenney
Project Manager
Geosynthetic Services Division
<http://www.geosyntheticstestinc.com>



DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS

TRI Client: Geosyntec Consultants

Project: NJCU/SA-5

Material: 40mil. LLDPE

SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

TRI Log#: 5449

| TEST REPLICATE NUMBER | | | | | | |
|-------------------------------------|-----|-----|-----|-----|-----|--------|
| PARAMETER | 1 | 2 | 3 | 4 | 5 | MEAN |
| Sample ID: DS-7 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 83 | 86 | 85 | 80 | 85 | 84 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 84 | 83 | 86 | 79 | 81 | 83 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 89 | 92 | 90 | 83 | 87 | 88 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |
| Sample ID: DS-8 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 76 | 84 | 76 | 77 | 79 | 78 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 84 | 91 | 81 | 87 | 89 | 86 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 97 | 96 | 97 | 90 | 89 | 94 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |

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Date: 2011-05-02

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sbbills@mactec.com

Dear Mr. Osborn,

Thank you for consulting with TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project: **NJCU/SA-5**

TRI Job Reference Number: **5449**

Material(s) Tested: (2) Heat Fusion Weld Seam(s)

Test(s) Requested: SAME DAY Peel and Shear
(ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

Codes:

| | |
|---------|---|
| AD | Adhesion Failure (100% Peel) |
| BRK | Break in sheeting away from Seam edge. |
| SE | Break in sheeting at edge of seam. |
| AD-BRK | Break in sheeting after some adhesion failure - partial peel. |
| SIP | Separation in the plane of the sheet (leaving the bond intact). |
| FTB | Film tearing bond (all non "AD" failures). |
| NON-FTB | 100% peel. |

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Jennifer Tenney
Project Manager
Geosynthetic Services Division
<http://www.geosyntheticstestinc.com>



DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS

TRI Client: Geosyntec Consultants

Project: NJCU/SA-5

Material: 40mil. LLDPE

SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

TRI Log#: 5449

| TEST REPLICATE NUMBER | | | | | | |
|-------------------------------------|-----|-----|-----|-----|-----|--------|
| PARAMETER | 1 | 2 | 3 | 4 | 5 | MEAN |
| Sample ID: DS-7 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 83 | 86 | 85 | 80 | 85 | 84 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 84 | 83 | 86 | 79 | 81 | 83 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 89 | 92 | 90 | 83 | 87 | 88 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |
| Sample ID: DS-8 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 76 | 84 | 76 | 77 | 79 | 78 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 84 | 91 | 81 | 87 | 89 | 86 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 97 | 96 | 97 | 90 | 89 | 94 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |

The testing is based upon accepted industry practices as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claims as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.



Date: 2011-05-04

Mail To:
Jeremiah Osborn
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500 - 520 Rt. 440 N.
Jersey City , NJ , 07305

Bill To:
Geosyntec Consultants
Project # : MQ0788

e-mail:

jsoborn@geosyntec.com BYork@Geosyntec.com cburdick@chenangocontracting.com dmambrose@mactec.com
sbbills@mactec.com

Dear Mr. Osborn,

Thank you for consulting with TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project: **NJCU/SA-5**

TRI Job Reference Number: **5461**

Material(s) Tested: (1) Heat Fusion Weld Seam(s)

Test(s) Requested: SAME DAY Peel and Shear
(ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

Codes:

| | |
|---------|---|
| AD | Adhesion Failure (100% Peel) |
| BRK | Break in sheeting away from Seam edge. |
| SE | Break in sheeting at edge of seam. |
| AD-BRK | Break in sheeting after some adhesion failure - partial peel. |
| SIP | Separation in the plane of the sheet (leaving the bond intact). |
| FTB | Film tearing bond (all non "AD" failures). |
| NON-FTB | 100% peel. |

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Melissa Hunter
Project Manager
Geosynthetic Services Division
<http://www.geosyntheticstestinc.com>



DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS

TRI Client: Geosyntec Consultants

Project: NJCU/SA-5

Material: 40mil. LLDPE

SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

TRI Log#: 5461

| PARAMETER | TEST REPLICATE NUMBER | | | | | MEAN |
|-------------------------------------|-----------------------|-----|-----|-----|-----|--------|
| | 1 | 2 | 3 | 4 | 5 | |
| Sample ID: DS-9 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 82 | 91 | 88 | 87 | 90 | 88 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 88 | 93 | 92 | 88 | 85 | 89 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 88 | 97 | 94 | 92 | 90 | 92 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |

The testing is based upon accepted industry practices as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claims as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.



Date: 2011-05-04

Mail To:
Jeremiah Osborn
Geosyntec Consultants
500 - 520 Rt. 440 N.
Jersey City , NJ , 07305

Bill To:
Geosyntec Consultants
Project # : MQ0788

e-mail:

jsoborn@geosyntec.com BYork@Geosyntec.com cburdick@chenangocontracting.com dmambrose@mactec.com
sbbills@mactec.com

Dear Mr. Osborn,

Thank you for consulting with TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project: **NJCU/SA-5**

TRI Job Reference Number: **5461**

Material(s) Tested: (1) Heat Fusion Weld Seam(s)

Test(s) Requested: SAME DAY Peel and Shear
(ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

Codes:

| | |
|---------|---|
| AD | Adhesion Failure (100% Peel) |
| BRK | Break in sheeting away from Seam edge. |
| SE | Break in sheeting at edge of seam. |
| AD-BRK | Break in sheeting after some adhesion failure - partial peel. |
| SIP | Separation in the plane of the sheet (leaving the bond intact). |
| FTB | Film tearing bond (all non "AD" failures). |
| NON-FTB | 100% peel. |

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Melissa Hunter
Project Manager
Geosynthetic Services Division
<http://www.geosyntheticstestinc.com>



DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS

TRI Client: Geosyntec Consultants

Project: NJCU/SA-5

Material: 40mil. LLDPE

SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

TRI Log#: 5461

| PARAMETER | TEST REPLICATE NUMBER | | | | | MEAN |
|-------------------------------------|-----------------------|-----|-----|-----|-----|--------|
| | 1 | 2 | 3 | 4 | 5 | |
| Sample ID: DS-9 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 82 | 91 | 88 | 87 | 90 | 88 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 88 | 93 | 92 | 88 | 85 | 89 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 88 | 97 | 94 | 92 | 90 | 92 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |

The testing is based upon accepted industry practices as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claims as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.



Date: 2011-05-06

Mail To:
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Jersey City , NJ , 07305

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Geosyntec Consultants
Project # : MQ0788

e-mail:

jsoborn@geosyntec.com BYork@Geosyntec.com cburdick@chenangocontracting.com dmambrose@mactec.com
sbbills@mactec.com

Dear Mr. Osborn,

Thank you for consulting with TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project: **NJCU/SA-5**

TRI Job Reference Number: **5479**

Material(s) Tested: (2) Heat Fusion Weld Seam(s)

Test(s) Requested: SAME DAY Peel and Shear
(ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

Codes:

| | |
|---------|---|
| AD | Adhesion Failure (100% Peel) |
| BRK | Break in sheeting away from Seam edge. |
| SE | Break in sheeting at edge of seam. |
| AD-BRK | Break in sheeting after some adhesion failure - partial peel. |
| SIP | Separation in the plane of the sheet (leaving the bond intact). |
| FTB | Film tearing bond (all non "AD" failures). |
| NON-FTB | 100% peel. |

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Mansukh Patel
Sr. Laboratory Coordinator
Geosynthetic Services Division
<http://www.geosyntheticstestinc.com>



DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS

TRI Client: Geosyntec Consultants

Project: NJCU/SA-5

Material: 40mil. LLDPE

SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

TRI Log#: 5479

| TEST REPLICATE NUMBER | | | | | | |
|--------------------------------------|-----|-----|-----|-----|-----|--------|
| PARAMETER | 1 | 2 | 3 | 4 | 5 | MEAN |
| Sample ID: DS-10 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 83 | 86 | 80 | 80 | 83 | 82 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 85 | 85 | 86 | 86 | 81 | 85 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 92 | 98 | 97 | 91 | 97 | 95 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |
| Sample ID: DS-11 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 88 | 87 | 91 | 84 | 89 | 88 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 82 | 83 | 88 | 80 | 86 | 84 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 92 | 93 | 89 | 85 | 93 | 90 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |

The testing is based upon accepted industry practices as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claims as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.



Date: 2011-05-06

Mail To:
Jeremiah Osborn
Geosyntec Consultants
500 - 520 Rt. 440 N.
Jersey City , NJ , 07305

Bill To:
Geosyntec Consultants
Project # : MQ0788

e-mail:

jsoborn@geosyntec.com BYork@Geosyntec.com cburdick@chenangocontracting.com dmambrose@mactec.com
sbbills@mactec.com

Dear Mr. Osborn,

Thank you for consulting with TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project: NJCU/SA-5

TRI Job Reference Number: **5479**

Material(s) Tested: (2) Heat Fusion Weld Seam(s)

Test(s) Requested: SAME DAY Peel and Shear
(ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

Codes:

| | |
|---------|---|
| AD | Adhesion Failure (100% Peel) |
| BRK | Break in sheeting away from Seam edge. |
| SE | Break in sheeting at edge of seam. |
| AD-BRK | Break in sheeting after some adhesion failure - partial peel. |
| SIP | Separation in the plane of the sheet (leaving the bond intact). |
| FTB | Film tearing bond (all non "AD" failures). |
| NON-FTB | 100% peel. |

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Mansukh Patel
Sr. Laboratory Coordinator
Geosynthetic Services Division
<http://www.geosyntheticstestinc.com>



DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS

TRI Client: Geosyntec Consultants

Project: NJCU/SA-5

Material: 40mil. LLDPE

SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

TRI Log#: 5479

| TEST REPLICATE NUMBER | | | | | | |
|--------------------------------------|-----|-----|-----|-----|-----|--------|
| PARAMETER | 1 | 2 | 3 | 4 | 5 | MEAN |
| Sample ID: DS-10 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 83 | 86 | 80 | 80 | 83 | 82 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 85 | 85 | 86 | 86 | 81 | 85 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 92 | 98 | 97 | 91 | 97 | 95 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |
| Sample ID: DS-11 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 88 | 87 | 91 | 84 | 89 | 88 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 82 | 83 | 88 | 80 | 86 | 84 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 92 | 93 | 89 | 85 | 93 | 90 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |

The testing is based upon accepted industry practices as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claims as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.



Date: 2011-05-11

Mail To:
Dave Ambrose
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Royersford , PA , 19468

Bill To:
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e-mail:

dmambrose@mactec.com sbbills@mactec.com smcollins@mactec.com jsoborn@geosyntec.com

Dear Mr. Ambrose,

Thank you for consulting with TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project: **NJCU SA5**

TRI Job Reference Number: **5507**

Material(s) Tested: (1) Heat Fusion Weld Seam(s)

Test(s) Requested: SAME DAY Peel and Shear
(ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

Codes:

| | |
|---------|---|
| AD | Adhesion Failure (100% Peel) |
| BRK | Break in sheeting away from Seam edge. |
| SE | Break in sheeting at edge of seam. |
| AD-BRK | Break in sheeting after some adhesion failure - partial peel. |
| SIP | Separation in the plane of the sheet (leaving the bond intact). |
| FTB | Film tearing bond (all non "AD" failures). |
| NON-FTB | 100% peel. |

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Jennifer Tenney
Project Manager
Geosynthetic Services Division
<http://www.geosyntheticstestinc.com>



DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS

TRI Client: Mactec Engineering

Project: NJCU SA5

Material: 40mil. LLDPE

SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

TRI Log#: 5507

| PARAMETER | TEST REPLICATE NUMBER | | | | | MEAN |
|--------------------------------------|-----------------------|-----|-----|-----|-----|--------|
| | 1 | 2 | 3 | 4 | 5 | |
| Sample ID: DS-12 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 86 | 92 | 83 | 87 | 90 | 88 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 90 | 83 | 88 | 72 | 89 | 84 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 93 | 93 | 92 | 93 | 94 | 93 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |

The testing is based upon accepted industry practices as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claims as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.



Date: 2011-05-11

Mail To:
Dave Ambrose
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Bill To:
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Accounts Payable
1105 Lakewood Parkway
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e-mail:

dmambrose@mactec.com sbbills@mactec.com smcollins@mactec.com jsoborn@geosyntec.com

Dear Mr. Ambrose,

Thank you for consulting with TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project: **NJCU SA5**

TRI Job Reference Number: **5507**

Material(s) Tested: (1) Heat Fusion Weld Seam(s)

Test(s) Requested: SAME DAY Peel and Shear
(ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

Codes:

| | |
|---------|---|
| AD | Adhesion Failure (100% Peel) |
| BRK | Break in sheeting away from Seam edge. |
| SE | Break in sheeting at edge of seam. |
| AD-BRK | Break in sheeting after some adhesion failure - partial peel. |
| SIP | Separation in the plane of the sheet (leaving the bond intact). |
| FTB | Film tearing bond (all non "AD" failures). |
| NON-FTB | 100% peel. |

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Jennifer Tenney
Project Manager
Geosynthetic Services Division
<http://www.geosyntheticstestinc.com>



DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS

TRI Client: Mactec Engineering

Project: NJCU SA5

Material: 40mil. LLDPE

SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

TRI Log#: 5507

| PARAMETER | TEST REPLICATE NUMBER | | | | | MEAN |
|--------------------------------------|-----------------------|-----|-----|-----|-----|--------|
| | 1 | 2 | 3 | 4 | 5 | |
| Sample ID: DS-12 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 86 | 92 | 83 | 87 | 90 | 88 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 90 | 83 | 88 | 72 | 89 | 84 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 93 | 93 | 92 | 93 | 94 | 93 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |

The testing is based upon accepted industry practices as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claims as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.



Date: 2011-05-12

Mail To:
Dave Ambrose
Mactec Engineering
500-520 Rt. 440 North
Jersey City , NJ , 07305

Bill To:

Mactec Engineering

e-mail:
dmambrose@mactec.com sbbills@mactec.com smcollins@mactec.com jsoborn@geosyntec.com

Dear Mr. Ambrose,

Thank you for consulting with TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project: **NJCU SA5**

TRI Job Reference Number: **5524**

Material(s) Tested: (3) Heat Fusion Weld Seam(s)

Test(s) Requested: SAME DAY Peel and Shear
(ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

Codes:

| | |
|---------|---|
| AD | Adhesion Failure (100% Peel) |
| BRK | Break in sheeting away from Seam edge. |
| SE | Break in sheeting at edge of seam. |
| AD-BRK | Break in sheeting after some adhesion failure - partial peel. |
| SIP | Separation in the plane of the sheet (leaving the bond intact). |
| FTB | Film tearing bond (all non "AD" failures). |
| NON-FTB | 100% peel. |

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Jennifer Tenney
Project Manager
Geosynthetic Services Division
<http://www.geosyntheticstestinc.com>



DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS

TRI Client: Mactec Engineering

Project: NJCU SA5

Material: 40mil. LLDPE

SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

TRI Log#: 5524

| TEST REPLICATE NUMBER | | | | | | |
|--------------------------------------|-----|-----|-----|-----|-----|--------|
| PARAMETER | 1 | 2 | 3 | 4 | 5 | MEAN |
| Sample ID: DS-13 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 80 | 87 | 83 | 86 | 77 | 83 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 85 | 89 | 87 | 85 | 89 | 87 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 94 | 95 | 92 | 91 | 89 | 92 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |
| Sample ID: DS-14 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 90 | 92 | 91 | 92 | 91 | 91 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 97 | 94 | 91 | 102 | 94 | 96 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 90 | 92 | 94 | 88 | 93 | 91 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |

The testing is based upon accepted industry practices as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claims as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.



DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS

TRI Client: Mactec Engineering

Project: NJCU SA5

Material: 40mil. LLDPE

SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

TRI Log#: 5524

| PARAMETER | TEST REPLICATE NUMBER | | | | | MEAN |
|--------------------------------------|-----------------------|-----|-----|-----|-----|--------|
| | 1 | 2 | 3 | 4 | 5 | |
| Sample ID: DS-15 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 85 | 89 | 84 | 86 | 84 | 86 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 95 | 92 | 83 | 75 | 91 | 87 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 94 | 92 | 94 | 92 | 96 | 94 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |

The testing is based upon accepted industry practices as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claims as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.



Date: 2011-05-12

Mail To:
Dave Ambrose
Mactec Engineering
500-520 Rt. 440 North
Jersey City , NJ , 07305

Bill To:

Mactec Engineering

e-mail:
dmambrose@mactec.com sbbills@mactec.com smcollins@mactec.com jsoborn@geosyntec.com

Dear Mr. Ambrose,

Thank you for consulting with TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project: **NJCU SA5**

TRI Job Reference Number: **5524**

Material(s) Tested: (3) Heat Fusion Weld Seam(s)

Test(s) Requested: SAME DAY Peel and Shear
(ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

Codes:

| | |
|---------|---|
| AD | Adhesion Failure (100% Peel) |
| BRK | Break in sheeting away from Seam edge. |
| SE | Break in sheeting at edge of seam. |
| AD-BRK | Break in sheeting after some adhesion failure - partial peel. |
| SIP | Separation in the plane of the sheet (leaving the bond intact). |
| FTB | Film tearing bond (all non "AD" failures). |
| NON-FTB | 100% peel. |

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Jennifer Tenney
Project Manager
Geosynthetic Services Division
<http://www.geosyntheticstestinc.com>



DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS

TRI Client: Mactec Engineering

Project: NJCU SA5

Material: 40mil. LLDPE

SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

TRI Log#: 5524

| TEST REPLICATE NUMBER | | | | | | |
|--------------------------------------|-----|-----|-----|-----|-----|--------|
| PARAMETER | 1 | 2 | 3 | 4 | 5 | MEAN |
| Sample ID: DS-13 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 80 | 87 | 83 | 86 | 77 | 83 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 85 | 89 | 87 | 85 | 89 | 87 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 94 | 95 | 92 | 91 | 89 | 92 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |
| Sample ID: DS-14 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 90 | 92 | 91 | 92 | 91 | 91 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 97 | 94 | 91 | 102 | 94 | 96 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 90 | 92 | 94 | 88 | 93 | 91 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |

The testing is based upon accepted industry practices as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claims as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.



DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS

TRI Client: Mactec Engineering

Project: NJCU SA5

Material: 40mil. LLDPE

SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

TRI Log#: 5524

| PARAMETER | TEST REPLICATE NUMBER | | | | | MEAN |
|--------------------------------------|-----------------------|-----|-----|-----|-----|--------|
| | 1 | 2 | 3 | 4 | 5 | |
| Sample ID: DS-15 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 85 | 89 | 84 | 86 | 84 | 86 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 95 | 92 | 83 | 75 | 91 | 87 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 94 | 92 | 94 | 92 | 96 | 94 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |

The testing is based upon accepted industry practices as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claims as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.



Date: 2011-05-31

Mail To:
Bryan York
Geosyntec Consultants
10220 Old Columbia Road, Suite A
Columbia , MD , 21046

Bill To:

Geosyntec Consultants

e-mail:

byork@geosyntec.com josborn@geosyntec.com cburdick@chenangocontracting.com dambrose@mactec.com
sbbils@mactec.com

Dear Mr. York,

Thank you for consulting with TRI/Environmental, Inc. (TRI) for your geosynthetics testing needs. TRI is pleased to submit this final report for laboratory testing.

Project: **NJCU/SA-5**

TRI Job Reference Number: **5655**

Material(s) Tested: (1) Heat Fusion Weld Seam(s)

Test(s) Requested: SAME DAY Peel and Shear
(ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

Codes:

| | |
|---------|---|
| AD | Adhesion Failure (100% Peel) |
| BRK | Break in sheeting away from Seam edge. |
| SE | Break in sheeting at edge of seam. |
| AD-BRK | Break in sheeting after some adhesion failure - partial peel. |
| SIP | Separation in the plane of the sheet (leaving the bond intact). |
| FTB | Film tearing bond (all non "AD" failures). |
| NON-FTB | 100% peel. |

If you have any questions or require any additional information, please call us at 1-800-880-8378.

Sincerely,

Jennifer Tenney
Project Manager
Geosynthetic Services Division
<http://www.geosyntheticstestinc.com>



DESTRUCTIVE SEAM QUALITY ASSURANCE TEST RESULTS

TRI Client: Geosyntec Consultants

Project: NJCU/SA-5

Material: 40mil. LLDPE

SAME DAY Peel and Shear (ASTM D 6392/GRI GM19/D 4437/NSF 54/882 mod.)

TRI Log#: 5655

| PARAMETER | TEST REPLICATE NUMBER | | | | | MEAN |
|--------------------------------------|-----------------------|-----|-----|-----|-----|--------|
| | 1 | 2 | 3 | 4 | 5 | |
| Sample ID: DS-16 Weld: Heat Fusion | | | | | | |
| Side: A | | | | | | Peel A |
| Peel Strength (ppi) | 70 | 92 | 92 | 94 | 89 | 87 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Side: B | | | | | | Peel B |
| Peel Strength (ppi) | 80 | 79 | 82 | 65 | 72 | 76 |
| Peel Incursion (%) | <5 | <5 | <5 | <5 | <5 | |
| Peel Locus Of Failure Code | SE | SE | SE | SE | SE | |
| Peel NSF Failure Code | FTB | FTB | FTB | FTB | FTB | |
| Shear | | | | | | Shear |
| Shear Strength (ppi) | 99 | 97 | 96 | 92 | 98 | 96 |
| Shear Elongation @ Break (%) | >50 | >50 | >50 | >50 | >50 | |

The testing is based upon accepted industry practices as well as the test method listed. Test results reported herein do not apply to samples other than those tested. TRI neither accepts responsibility for nor makes claims as to the final use and purpose of the material. TRI observes and maintains client confidentiality. TRI limits reproduction of this report, except in full, without prior approval of TRI.

APPENDIX G

HYDRAULIC BARRIER AND TIEBACK DOCUMENTATION

STUDY AREA 5 REMEDIAL ACTION REPORT

FORMER BALDWIN STEEL SITE (NJDEP SITE 090)

FORMER MI HOLDINGS SITE (NJDEP SITE 184)

PORTION OF FORMER MORRIS CANAL SITE (NJDEP SITE 153 NORTHERN SEGMENT)

JERSEY CITY, NEW JERSEY

SHEETPILE LOCATION MAP

SHEETPILES NUMBERED FROM 416-437 and 500. PLEASE NOTE THESE SHEETPILE NUMBERS BEGIN FROM WEST TO EAST AND END AT THE NORTHEAST CORNER OF BLDG 6.

SHEETPILES NUMBERED FROM 441-498. PLEASE NOTE THESE SHEETPILE NUMBERS BEGIN FROM NORTH TO SOUTH AND END AT THE SOUTHEAST CORNER OF BLDG 6.

SHEETPILES NUMBERED FROM 394-405 and 438-440. PLEASE NOTE THESE SHEETPILE NUMBERS BEGIN FROM SOUTH TO NORTH AND END AT THE NORTHWEST CORNER OF BLDG 6.

SHEETPILES NUMBERED FROM 383-393 AND 406-415 and 499. PLEASE NOTE THESE SHEETPILE NUMBERS BEGIN FROM WEST TO EAST AND END AT THE SOUTHEAST CORNER OF BLDG 6.

NOTE: SEE DRAWING C-106 AND C-107 FOR CAP CROSS SECTIONS.

NOTE: CONTOURS DEPICTED ON THIS SHEET REPRESENT THE ELEVATION OF THE LINEAR LOW DENSITY POLYETHYLENE MEMBRANE. A 16 OZ NON WOVEN GEOTEXTILE WILL BE INSTALLED BELOW THE LINEAR LOW DENSITY POLYETHYLENE MEMBRANE.

SHEETPILES NUMBERED FROM 232-341 and 346-382. PLEASE NOTE THESE SHEETPILE NUMBERS BEGIN FROM SOUTH TO NORTH AND END JUST PAST THE SOUTHWEST CORNER OF BLDG 6.

WINGWALL (Mallory Corridor) SHEETPILES NUMBERED FROM 161-202. PLEASE NOTE THESE SHEETPILES ARE NUMBERED BEGINNING FROM SOUTH TO NORTH.

SHEETPILES NUMBERED FROM 203-231 and 344-345. PLEASE NOTE THESE SHEETPILE NUMBERS BEGIN FROM EAST TO WEST AND END AT THE CORNER OF RT. 440 AND THE HOME DEPOT PROPERTY LINE.

SHEETPILES NUMBERED FROM 1-160 and 342-343. PLEASE NOTE THESE SHEETPILE NUMBERS BEGIN FROM EAST TO WEST AND END AT THE BEGINNING OF THE WING WALL (Mallory Corridor).

NOTE:
REFER TO LEGEND, ABBREVIATIONS, AND GENERAL NOTES ON SHEET G-002.
COORDINATES FOR LAYOUT SHOWN ARE PROVIDED TO CONTRACTOR IN ELECTRONIC FORMAT IN DRAWING "X-MACTEC-CSP06-CONST PNTS.dwg".

0 20 40 80
SCALE IN FEET

HONEYWELL SA-5 SHEET PILE LOG

| Date | GENERAL PLAN LOCATION SHEET # | Wall | TYPE OF SHEET | SHEET LENGTH (FT) | TOE elevations | Total Driving Time (Pickup til final depth) | Remarks |
|------------|--|------------|-----------------|-------------------|----------------|---|-----------------------------------|
| 10/13/2010 | 1 | South Wall | AZ19-700 Double | 30.0 | -10.00 | 3:10-3:25 | Along Home Depot Property line |
| 10/13/2010 | 2 | South Wall | AZ19-700 Double | 30.0 | -10.00 | 2:55-3:05 | Along Home Depot Property line |
| 10/13/2010 | 3 | South Wall | AZ19-700 Double | 30.0 | -10.00 | 2:35-2:50 | Along Home Depot Property line |
| 10/13/2010 | 4 | South Wall | AZ19-700 Double | 30.0 | -10.00 | 8:30-9:15 | Along Home Depot Property line |
| 10/13/2010 | 5 | South Wall | AZ19-700 Double | 30.0 | -10.00 | 1:45-1:50 | Along Home Depot Property line |
| 10/13/2010 | 6 | South Wall | AZ19-700 Double | 30.0 | -10.00 | 1:38-1:43 | Along Home Depot Property line |
| 10/13/2010 | 7 | South Wall | AZ19-700 Double | 30.0 | -10.00 | 1:27-1:36 | Along Home Depot Property line |
| 10/13/2010 | 8 | South Wall | AZ19-700 Double | 30.0 | -10.00 | 1:15-1:25 | Along Home Depot Property line |
| 10/13/2010 | 9 | South Wall | AZ19-700 Double | 30.0 | -10.00 | 1:06-1:13 | Along Home Depot Property line |
| 10/13/2010 | 10 | South Wall | AZ19-700 Double | 40.0 | -20.00 | 12:38-12:49 | Along Home Depot Property line |
| 10/13/2010 | 11 | South Wall | AZ19-700 Double | 40.0 | -20.00 | 11:22-11:40 | Along Home Depot Property line |
| 10/13/2010 | 12 | South Wall | AZ19-700 Double | 40.0 | -20.00 | 11:08-11:20 | Along Home Depot Property line |
| 10/13/2010 | 13 | South Wall | AZ19-700 Double | 40.0 | -20.00 | 10:51-11:00 | Along Home Depot Property line |
| 10/13/2010 | 14 | South Wall | AZ19-700 Double | 40.0 | -20.00 | 10:38-10:45 | Along Home Depot Property line |
| 10/13/2010 | 15 | South Wall | AZ19-700 Double | 40.0 | -20.00 | 10:22-10:30 | Along Home Depot Property line |
| 10/13/2010 | 16 | South Wall | AZ19-700 Double | 40.0 | -20.00 | 10:12-10:20 | Along Home Depot Property line |
| 10/13/2010 | 17 | South Wall | AZ19-700 Double | 40.0 | -20.00 | 9:48-10:03 | Along Home Depot Property line |
| 10/13/2010 | 18 | South Wall | AZ19-700 Double | 40.0 | -20.00 | 8:50-8:51 | Along Home Depot Property line |
| 10/13/2010 | 19 | South Wall | AZ19-700 Double | 40.0 | -20.00 | 8:33-8:48 | Along Home Depot Property line |
| 10/13/2010 | 20 | South Wall | AZ19-700 Double | 40.0 | -20.00 | 8:22-8:28 | Along Home Depot Property line |
| 10/13/2010 | 21 | South Wall | AZ19-700 Double | 40.0 | -20.00 | 8:00-8:17 | Along Home Depot Property line |
| 10/12/2010 | 22 | South Wall | AZ37-700 Double | 40.0 | -20.00 | 4:38-4:54 | Along Home Depot Property line |
| 10/12/2010 | 23 | South Wall | AZ37-700 Double | 40.0 | -20.00 | 4:16-4:29 | Along Home Depot Property line |
| 10/12/2010 | 24 | South Wall | AZ37-700 Double | 40.0 | -20.00 | 4:01-4:12 | Along Home Depot Property line |
| 10/12/2010 | 25 | South Wall | AZ37-700 Double | 40.0 | -20.00 | 3:40-3:51 | Along Home Depot Property line |

| | | | | | | | |
|------------|----|------------|------------------|------|--------|---------------|--------------------------------|
| 10/12/2010 | 26 | South Wall | AZ37-700 Double | 40.0 | -20.00 | 3:24-3:38 | Along Home Depot Property line |
| 10/12/2010 | 27 | South Wall | AZ37-700 Double | 40.0 | -20.00 | 3:12-3:20 | Along Home Depot Property line |
| 10/12/2010 | 28 | South Wall | AZ37-700 Double | 40.0 | -20.00 | 2:50-2:59 | Along Home Depot Property line |
| 10/12/2010 | 29 | South Wall | AZ37-700 Double | 40.0 | -20.00 | 2:35-2:43 | Along Home Depot Property line |
| 10/12/2010 | 30 | South Wall | AZ37-700 Double | 46.0 | -20.00 | 10:10-10:20 | Along Home Depot Property line |
| 10/14/2010 | 31 | South Wall | AZ37-700 Double | 46.0 | -20.00 | 8:55-9:08 | Along Home Depot Property line |
| 9/14/2010 | 32 | South Wall | AZ-19 700 Double | 48.0 | -25.00 | 11:35 - 11:51 | Along Home Depot Property line |
| 9/14/2010 | 33 | South Wall | AZ-19 700 Double | 48.0 | -25.00 | 1:50 - 2:05 | Along Home Depot Property line |
| 9/14/2010 | 34 | South Wall | AZ-19 700 Double | 48.0 | -25.00 | 2:26 - 3:45 | Along Home Depot Property line |
| 9/14/2010 | 35 | South Wall | AZ-19 700 Double | 48.0 | -25.00 | 3:55 - 4:15 | Along Home Depot Property line |
| 9/14/2010 | 36 | South Wall | AZ-19 700 Double | 48.0 | -25.00 | 4:34 - 4:50 | Along Home Depot Property line |
| 9/14/2010 | 37 | South Wall | AZ-19 700 Double | 48.0 | -25.00 | 4:53 - 5:47 | Along Home Depot Property line |
| 9/15/2010 | 38 | South Wall | AZ-19 700 Double | 48.0 | -25.00 | 8:01 - 8:19 | Along Home Depot Property line |
| 9/15/2010 | 39 | South Wall | AZ-19 700 Double | 48.0 | -25.00 | 8:21 - 8:35 | Along Home Depot Property line |
| 9/15/2010 | 40 | South Wall | AZ-19 700 Double | 48.0 | -25.00 | 8:38 - 8:50 | Along Home Depot Property line |
| 9/15/2010 | 41 | South Wall | AZ-19 700 Double | 48.0 | -25.00 | 9:01 - 9:15 | Along Home Depot Property line |
| 9/15/2010 | 42 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 9:54 - 10:10 | Along Home Depot Property line |
| 9/15/2010 | 43 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 10:13 - 10:35 | Along Home Depot Property line |
| 9/15/2010 | 44 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 10:58 - 11:10 | Along Home Depot Property line |
| 9/15/2010 | 45 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 11:13 - 11:29 | Along Home Depot Property line |
| 9/15/2010 | 46 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 11:31 - 11:43 | Along Home Depot Property line |
| 9/15/2010 | 47 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 12:51 - 2:10 | Along Home Depot Property line |
| 9/15/2010 | 48 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 2:17 - 2:30 | Along Home Depot Property line |
| 9/15/2010 | 49 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 2:34 - 3:30 | Along Home Depot Property line |
| 9/15/2010 | 50 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 3:36 - 4:06 | Along Home Depot Property line |
| 9/15/2010 | 51 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 4:08 - 4:29 | Along Home Depot Property line |
| 9/15/2010 | 52 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 4:31 - 4:45 | Along Home Depot Property line |
| 9/15/2010 | 53 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 4:47 - 5:00 | Along Home Depot Property line |
| 9/16/2010 | 54 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 7:45 - 8:05 | Along Home Depot Property line |
| 9/16/2010 | 55 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 8:05 - 8:20 | Along Home Depot Property line |
| 9/16/2010 | 56 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 8:23 - 8:34 | Along Home Depot Property line |

| | | | | | | | |
|-----------|----|------------|------------------|------|--------|---------------|---------------------------------------|
| 9/16/2010 | 57 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 8:39 - 8:53 | Along Home Depot Property line |
| 9/16/2010 | 58 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 9:50 - 10:05 | Along Home Depot Property line |
| 9/16/2010 | 59 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 10:05 - 10:20 | Along Home Depot Property line |
| 9/16/2010 | 60 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 10:24 - 10:35 | Along Home Depot Property line |
| 9/16/2010 | 61 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 10:40 - 10:57 | Along Home Depot Property line |
| 9/16/2010 | 62 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 11:05 - 11:17 | Along Home Depot Property line |
| 9/16/2010 | 63 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 11:19 - 11:45 | Along Home Depot Property line |
| 9/16/2010 | 64 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 12:39 - 1:00 | Along Home Depot Property line |
| 9/16/2010 | 65 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 1:54 - 2:10 | Along Home Depot Property line |
| 9/20/2010 | 66 | South Wall | AZ-19 700 Double | 50.0 | -28.00 | 8:55 - 9:45 | Sheet left out to dig for obstruction |
| 9/16/2010 | 67 | South Wall | AZ-19 700 Double | 53.0 | -35.00 | 2:15 - 2:45 | Along Home Depot Property line |
| 9/16/2010 | 68 | South Wall | AZ-19 700 Double | 53.0 | -35.00 | 2:48 - 3:36 | Along Home Depot Property line |
| 9/16/2010 | 69 | South Wall | AZ-19 700 Double | 53.0 | -35.00 | 3:38 - 4:07 | Along Home Depot Property line |
| 9/20/2010 | 70 | South Wall | AZ-19 700 Double | 53.0 | -35.00 | 10:30 - 10:50 | Along Home Depot Property line |
| 9/20/2010 | 71 | South Wall | AZ-19 700 Double | 53.0 | -35.00 | 10:55 - 11:20 | Along Home Depot Property line |
| 9/20/2010 | 72 | South Wall | AZ-19 700 Double | 53.0 | -35.00 | 11:24 - 11:48 | Along Home Depot Property line |
| 9/20/2010 | 73 | South Wall | AZ-19 700 Double | 53.0 | -35.00 | 12:35 - 12:55 | Along Home Depot Property line |
| 9/20/2010 | 74 | South Wall | AZ-19 700 Double | 53.0 | -35.00 | 1:01 - 1:11 | Along Home Depot Property line |
| 9/20/2010 | 75 | South Wall | AZ-19 700 Double | 53.0 | -35.00 | 1:25 - 1:45 | Along Home Depot Property line |
| 9/20/2010 | 76 | South Wall | AZ-19 700 Double | 53.0 | -35.00 | 1:48 - 2:14 | Along Home Depot Property line |
| 9/20/2010 | 77 | South Wall | AZ-19 700 Double | 53.0 | -35.00 | 2:20 - 2:29 | Along Home Depot Property line |
| 9/20/2010 | 78 | South Wall | AZ-19 700 Double | 53.0 | -35.00 | 2:31 - 2:42 | Along Home Depot Property line |
| 9/20/2010 | 79 | South Wall | AZ-19 700 Double | 53.0 | -35.00 | 3:28 - 3:40 | Along Home Depot Property line |
| 9/20/2010 | 80 | South Wall | AZ-19 700 Double | 53.0 | -35.00 | 3:44 - 3:59 | Along Home Depot Property line |
| 9/20/2010 | 81 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 4:05 - 4:15 | Along Home Depot Property line |
| 9/20/2010 | 82 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 4:20 - 4:35 | Along Home Depot Property line |
| 9/20/2010 | 83 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 4:35 - 4:45 | Along Home Depot Property line |
| 9/20/2010 | 84 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 5:00 - 5:15 | Along Home Depot Property line |
| 9/21/2010 | 85 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 8:01 - 8:16 | Along Home Depot Property line |

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|-----------|-----|------------|------------------|------|--------|---------------|--------------------------------|
| 9/21/2010 | 86 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 8:19 - 8:34 | Along Home Depot Property line |
| 9/21/2010 | 87 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 8:36 - 8:48 | Along Home Depot Property line |
| 9/21/2010 | 88 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 8:50 - 8:58 | Along Home Depot Property line |
| 9/21/2010 | 89 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 8:59 - 9:05 | Along Home Depot Property line |
| 9/21/2010 | 90 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 9:10 - 9:55 | Along Home Depot Property line |
| 9/21/2010 | 91 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 10:04 - 10:16 | Along Home Depot Property line |
| 9/21/2010 | 92 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 10:22 - 10:32 | Along Home Depot Property line |
| 9/21/2010 | 93 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 10:37 - 10:48 | Along Home Depot Property line |
| 9/21/2010 | 94 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 10:54 - 11:12 | Along Home Depot Property line |
| 9/21/2010 | 95 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 11:14 - 11:36 | Along Home Depot Property line |
| 9/21/2010 | 96 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 11:38 - 11:50 | Along Home Depot Property line |
| 9/23/2010 | 97 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 8:56 - 9:15 | Obstruction |
| 9/21/2010 | 98 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 12:45- 12:54 | Along Home Depot Property line |
| 9/21/2010 | 99 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 12:59 - 1:26 | Along Home Depot Property line |
| 9/23/2010 | 100 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 9:56 - 10:07 | Along Home Depot Property line |
| 9/23/2010 | 101 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 10:14 - 10:38 | Along Home Depot Property line |
| 9/23/2010 | 102 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 1:45 - 2:00 | Along Home Depot Property line |
| 9/23/2010 | 103 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 2:05 - 2:12 | Along Home Depot Property line |
| 9/23/2010 | 104 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 2:17 - 2:39 | Along Home Depot Property line |
| 9/21/2010 | 105 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 2:45 - 3:00 | Along Home Depot Property line |
| 9/21/2010 | 106 | South Wall | AZ-19 700 Double | 44.0 | -23.00 | 3:05 - 3:15 | Along Home Depot Property line |
| 9/22/2010 | 107 | South Wall | AZ-19 700 Double | 44.0 | -23.00 | 7:42 - 7:52 | Along Home Depot Property line |
| 9/22/2010 | 108 | South Wall | AZ-19 700 Double | 44.0 | -23.00 | 7:54 - 8:05 | Along Home Depot Property line |
| 9/22/2010 | 109 | South Wall | AZ-19 700 Double | 44.0 | -23.00 | 8:07 - 8:16 | Along Home Depot Property line |
| 9/22/2010 | 110 | South Wall | AZ-19 700 Double | 44.0 | -23.00 | 8:17 - 8:27 | Along Home Depot Property line |
| 9/22/2010 | 111 | South Wall | AZ-19 700 Double | 44.0 | -23.00 | 8:28 - 8:40 | Along Home Depot Property line |
| 9/22/2010 | 112 | South Wall | AZ-19 700 Double | 44.0 | -23.00 | 8:42 - 8:57 | Along Home Depot Property line |
| 9/22/2010 | 113 | South Wall | AZ-19 700 Double | 44.0 | -23.00 | 9:00 - 9:07 | Along Home Depot Property line |
| 9/22/2010 | 114 | South Wall | AZ-19 700 Double | 44.0 | -23.00 | 9:09 - 9:19 | Along Home Depot Property line |

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| 9/22/2010 | 115 | South Wall | AZ-19 700 Double | 44.0 | -23.00 | 9:40 - 9:55 | Along Home Depot Property line |
| 9/22/2010 | 116 | South Wall | AZ-19 700 Double | 44.0 | -23.00 | 10:06 - 10:20 | Along Home Depot Property line |
| 9/22/2010 | 117 | South Wall | AZ-19 700 Double | 44.0 | -23.00 | 10:27 - 10:40 | Along Home Depot Property line |
| 9/22/2010 | 118 | South Wall | AZ-19 700 Double | 44.0 | -23.00 | 10:55 - 11:15 | Refusal @ 21' |
| 9/22/2010 | 119 | South Wall | AZ-19 700 Double | 44.0 | -23.00 | 11:25 - 12:00 | Along Home Depot Property line |
| 9/22/2010 | 120 | South Wall | AZ-19 700 Double | 44.0 | -23.00 | 1:12 - 1:32 | Along Home Depot Property line |
| 9/22/2010 | 121 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 1:34 - 2:05 | Along Home Depot Property line |
| 9/28/2010 | 122 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 10:53 - 11:15 | Left out for Obstruction, then redriven |
| 9/22/2010 | 123 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 4:45 - 5:02 | Along Home Depot Property line |
| 9/22/2010 | 124 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 5:04 - 5:35 | Along Home Depot Property line |
| 9/23/2010 | 125 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 11:00 - 11:23 | Along Home Depot Property line |
| 9/23/2010 | 126 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 11:15 - 11:25 | Along Home Depot Property line |
| 9/23/2010 | 127 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 11:34 - 11:55 | Along Home Depot Property line |
| 9/23/2010 | 128 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 12:43 - 1:10 | Along Home Depot Property line |
| 9/23/2010 | 129 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 1:15 - 1:30 | Along Home Depot Property line |
| 9/23/2010 | 130 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 1:35 - 1:43 | Along Home Depot Property line |
| 9/23/2010 | 131 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 1:50 - 2:05 | Along Home Depot Property line |
| 9/23/2010 | 132 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 2:10 - 2:15 | Along Home Depot Property line |
| 9/23/2010 | 133 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 2:25 - 2:35 | Along Home Depot Property line |
| 9/23/2010 | 134 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 2:37 - 3:15 | Along Home Depot Property line |
| 9/23/2010 | 135 | South Wall | AZ-19 700 Double | 46.0 | -28.00 | 3:30 - 3:45 | Along Home Depot Property line |
| 9/23/2010 | 136 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 3:52 - 4:07 | Along Home Depot Property line |
| 9/23/2010 | 137 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 4:08 - 4:25 | Along Home Depot Property line |
| 9/23/2010 | 138 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 4:35 - 4:43 | Along Home Depot Property line |
| 9/23/2010 | 139 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 4:45 - 4:51 | Along Home Depot Property line |
| 9/23/2010 | 140 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 4:53 - 5:01 | Along Home Depot Property line |

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| 9/28/2010 | 141 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 8:13 - 8:24 | Along Home Depot Property line |
| 9/28/2010 | 142 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 8:28 - 8:33 | Along Home Depot Property line |
| 9/28/2010 | 143 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 8:39 - 8:44 | Along Home Depot Property line |
| 9/28/2010 | 144 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 8:46 - 8:51 | Along Home Depot Property line |
| 9/28/2010 | 145 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 8:53 - 9:01 | Obstruction |
| 9/28/2010 | 146 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 9:25 - 9:34 | Obstruction |
| 9/28/2010 | 147 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 9:36 - 9:43 | Obstruction |
| 9/28/2010 | 148 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 9:45 - 9:50 | Along Home Depot Property line |
| 9/28/2010 | 149 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 9:52 - 9:59 | Along Home Depot Property line |
| 9/28/2010 | 150 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 10:01 - 10:07 | Along Home Depot Property line |
| 9/28/2010 | 151 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 10:08 - 10:20 | Along Home Depot Property line |
| 9/28/2010 | 152 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 10:30 - 10:45 | Along Home Depot Property line |
| 9/28/2010 | 153 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 1:25 - 1:38 | Obstruction |
| 9/28/2010 | 154 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 1:53 - 2:10 | Obstruction |
| 9/28/2010 | 155 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 2:13 - 2:28 | Along Home Depot Property line |
| 9/28/2010 | 156 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 2:35 - 2:48 | Along Home Depot Property line |
| 10/5/2010 | 157 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 9:53 - 9:50 | Obstruction |
| 10/5/2010 | 158 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 10:15 - 10:46 | Obstruction |
| 10/5/2010 | 159 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 3:10 - 3:22 | Obstruction |
| 10/5/2010 | 160 | South Wall | AZ-14 700 Double | 24.0 | -10.00 | 3:25 - 3:45 | Obstruction |
| 9/29/2010 | 161 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 8:15-8:35 | Mallory Corridor |
| 9/29/2010 | 162 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 8:41-8:50 | Mallory Corridor |
| 9/29/2010 | 163 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 8:59-9:08 | Mallory Corridor |
| 9/29/2010 | 164 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 9:45-10:05 | Mallory Corridor |
| 9/29/2010 | 165 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 10:07-10:31 | Mallory Corridor |
| 9/29/2010 | 166 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 10:35-10:48 | Mallory Corridor |
| 9/29/2010 | 167 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 10:55-11:10 | Mallory Corridor |
| 9/29/2010 | 168 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 11:13-11:21 | Mallory Corridor |
| 9/29/2010 | 169 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 11:27-11:43 | Mallory Corridor |
| 9/29/2010 | 170 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 3:50-4:10 | Mallory Corridor |
| 9/29/2010 | 171 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 4:13-4:16 | Mallory Corridor |

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| 9/29/2010 | 172 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 4:18-4:31 | Mallory Corridor |
| 9/29/2010 | 173 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 4:34-4:43 | Mallory Corridor |
| 9/29/2010 | 174 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 4:48-4:54 | Mallory Corridor |
| 9/29/2010 | 175 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 4:58-5:06 | Mallory Corridor |
| 9/29/2010 | 176 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 5:18-5:27 | Mallory Corridor |
| 10/4/2010 | 177 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 8:30-8:42 | Mallory Corridor |
| 10/4/2010 | 178 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 8:45-8:57 | Mallory Corridor |
| 10/4/2010 | 179 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 8:59-9:11 | Mallory Corridor |
| 10/4/2010 | 180 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 9:35-9:48 | Mallory Corridor |
| 10/4/2010 | 181 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 9:55-10:07 | Mallory Corridor |
| 10/4/2010 | 182 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 10:17-10:35 | Mallory Corridor |
| 10/4/2010 | 183 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 10:40-10:49 | Mallory Corridor |
| 10/4/2010 | 184 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 10:52-10:59 | Mallory Corridor |
| 10/4/2010 | 185 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 11:04-11:14 | Mallory Corridor |
| 10/4/2010 | 186 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 11:15-11:27 | Mallory Corridor |
| 10/4/2010 | 187 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 12:34-12:48 | Mallory Corridor |
| 10/4/2010 | 188 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 12:52-1:02 | Mallory Corridor |
| 10/4/2010 | 189 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 1:04-1:14 | Mallory Corridor |
| 10/4/2010 | 190 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 2:10-2:27 | Mallory Corridor |
| 10/4/2010 | 191 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 2:44-2:59 | Mallory Corridor |
| 10/4/2010 | 192 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 3:12-3:23 | Mallory Corridor |
| 10/4/2010 | 193 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 3:26-3:35 | Mallory Corridor |
| 10/4/2010 | 194 | Wing Wall | AZ-37 700 Double | 50.0 | -35.00 | 3:44-3:58 | Mallory Corridor |
| 10/4/2010 | 195 | Wing Wall | AZ-37 700 Double | 40.0 | -23.00 | 4:07-4:16 | Mallory Corridor |
| 10/4/2010 | 196 | Wing Wall | AZ-37 700 Double | 40.0 | -23.00 | 4:18-4:24 | Mallory Corridor |
| 10/4/2010 | 197 | Wing Wall | AZ-37 700 Double | 40.0 | -23.00 | 4:28-4:36 | Mallory Corridor |
| 10/4/2010 | 198 | Wing Wall | AZ-37 700 Double | 40.0 | -23.00 | 4:43-4:47 | Mallory Corridor |
| 10/5/2010 | 199 | Wing Wall | AZ-37 700 Double | 40.0 | -23.00 | 8:22-8:39 | Mallory Corridor |
| 10/5/2010 | 200 | Wing Wall | AZ-37 700 Double | 40.0 | -23.00 | 8:42-8:49 | Mallory Corridor |
| 10/5/2010 | 201 | Wing Wall | AZ-37 700 Double | 40.0 | -23.00 | 8:52-8:59 | Mallory Corridor |
| 10/5/2010 | 202 | Wing Wall | AZ-37 700 Double | 40.0 | -23.00 | 9:04-9:45 | Mallory Corridor |

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|-----------|-----|------------|------------------|------|--------|-------------|--------------------------------|
| 10/5/2010 | 203 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 9:50-9:59 | Along Home Depot Property line |
| 10/5/2010 | 204 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 10:55-11:15 | Along Home Depot Property line |
| 10/5/2010 | 205 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 11:05-11:15 | Along Home Depot Property line |
| 10/5/2010 | 206 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 11:25-11:33 | Along Home Depot Property line |
| 10/5/2010 | 207 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 11:38-11:50 | Along Home Depot Property line |
| 10/5/2010 | 208 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 12:35-12:45 | Along Home Depot Property line |
| 10/5/2010 | 209 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 12:50-1:05 | Along Home Depot Property line |
| 10/5/2010 | 210 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 1:14-1:21 | Along Home Depot Property line |
| 10/5/2010 | 211 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 1:25-1:33 | Along Home Depot Property line |
| 10/5/2010 | 212 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 1:50-2:16 | Along Home Depot Property line |
| 10/5/2010 | 213 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 2:18-2:30 | Along Home Depot Property line |
| 10/5/2010 | 214 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 2:40-2:50 | Along Home Depot Property line |
| 10/5/2010 | 215 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 3:40-3:58 | Along Home Depot Property line |
| 10/5/2010 | 216 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 3:58-4:06 | Along Home Depot Property line |
| 10/5/2010 | 217 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 4:10-4:17 | Along Home Depot Property line |
| 10/5/2010 | 218 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 4:19-4:29 | Along Home Depot Property line |
| 10/5/2010 | 219 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 4:59-5:05 | Along Home Depot Property line |
| 10/6/2010 | 220 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 10:15-10:30 | Along Home Depot Property line |
| 10/6/2010 | 221 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 10:35-10:47 | Along Home Depot Property line |
| 10/6/2010 | 222 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 10:49-10:54 | Along Home Depot Property line |
| 10/6/2010 | 223 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 10:56-11:05 | Along Home Depot Property line |
| 10/6/2010 | 224 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 11:07-11:14 | Along Home Depot Property line |
| 10/6/2010 | 225 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 11:18-11:25 | Along Home Depot Property line |
| 10/6/2010 | 226 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 11:38-11:45 | Along Home Depot Property line |
| 10/6/2010 | 227 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 11:49-11:55 | Along Home Depot Property line |
| 10/6/2010 | 228 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 12:35-12:47 | Along Home Depot Property line |
| 10/6/2010 | 229 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 3:15-3:35 | Along Home Depot Property line |
| 10/6/2010 | 230 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 12:55-1:12 | Along Home Depot Property line |
| 10/6/2010 | 231 | South Wall | AZ-14 770 Double | 24.0 | -10.00 | 1:14-1:22 | Along Home Depot Property line |
| 10/6/2010 | 232 | West Wall | AZ-14 770 Double | 24.0 | -10.00 | 1:24-1:32 | Along Rt. 440 |
| 10/6/2010 | 233 | West Wall | AZ-14 770 Double | 24.0 | -10.00 | 3:50-4:00 | Along Rt. 440 |

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|-----------|-----|-----------|------------------|------|--------|-------------|----------------------|
| 10/6/2010 | 234 | West Wall | AZ-14 770 Double | 24.0 | -10.00 | 4:05-4:15 | Along Rt. 440 |
| 10/6/2010 | 235 | West Wall | AZ-14 770 Double | 24.0 | -10.00 | 4:20-4:25 | Along Rt. 440 |
| 3/16/2011 | 236 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 9:00-9:10 | Along Rt. 440 -Sewer |
| 3/16/2011 | 237 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 9:20-9:29 | Along Rt. 440 -Sewer |
| 3/16/2011 | 238 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 9:32-9:38 | Along Rt. 440 -Sewer |
| 3/16/2011 | 239 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 10:10-10:16 | Along Rt. 440 -Sewer |
| 3/16/2011 | 240 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 10:20-10:25 | Along Rt. 440 -Sewer |
| 3/16/2011 | 241 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 10:30-10:36 | Along Rt. 440 -Sewer |
| 3/16/2011 | 242 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 10:39-10:45 | Along Rt. 440 -Sewer |
| 10/7/2010 | 243 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 8:15-8:25 | Along Rt. 440 |
| 10/7/2010 | 244 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 8:28-8:38 | Along Rt. 440 |
| 10/7/2010 | 245 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 8:40-8:50 | Along Rt. 440 |
| 10/7/2010 | 246 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 9:38-9:45 | Along Rt. 440 |
| 10/7/2010 | 247 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 9:53-10:00 | Along Rt. 440 |
| 10/7/2010 | 248 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 10:10-10:16 | Along Rt. 440 |
| 10/7/2010 | 249 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 10:24-10:33 | Along Rt. 440 |
| 10/7/2010 | 250 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 10:54-11:00 | Along Rt. 440 |
| 10/7/2010 | 251 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 11:10-11:16 | Along Rt. 440 |
| 10/7/2010 | 252 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 11:19-11:26 | Along Rt. 440 |
| 10/7/2010 | 253 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 11:28-11:35 | Along Rt. 440 |
| 10/7/2010 | 254 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 11:42-11:47 | Along Rt. 440 |
| 10/7/2010 | 255 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 11:48-11:52 | Along Rt. 440 |
| 10/7/2010 | 256 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 12:42-12:45 | Along Rt. 440 |
| 10/7/2010 | 257 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 12:46-12:54 | Along Rt. 440 |
| 10/7/2010 | 258 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 12:55-1:03 | Along Rt. 440 |
| 10/7/2010 | 259 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 1:04-1:10 | Along Rt. 440 |
| 10/7/2010 | 260 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 1:24-1:33 | Along Rt. 440 |
| 10/7/2010 | 261 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 1:35-1:41 | Along Rt. 440 |
| 10/7/2010 | 262 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 2:03-2:10 | Along Rt. 440 |
| 10/7/2010 | 263 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 2:11-2:18 | Along Rt. 440 |
| 10/7/2010 | 264 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 2:18-2:23 | Along Rt. 440 |

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| 10/7/2010 | 265 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 2:24-2:29 | Along Rt. 440 |
| 10/7/2010 | 266 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 2:31-2:37 | Along Rt. 440 |
| 10/7/2010 | 267 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 2:40-2:48 | Along Rt. 440 |
| 10/7/2010 | 268 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 3:19-3:23 | Along Rt. 440 |
| 10/7/2010 | 269 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 3:24-3:29 | Along Rt. 440 |
| 10/7/2010 | 270 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 3:30-3:33 | Along Rt. 440 |
| 10/7/2010 | 271 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 3:35-3:40 | Along Rt. 440 |
| 10/7/2010 | 272 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 3:41-3:45 | Along Rt. 440 |
| 10/7/2010 | 273 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 3:48-3:50 | Along Rt. 440 |
| 10/7/2010 | 274 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 3:53-3:57 | Along Rt. 440 |
| 10/7/2010 | 275 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 3:58-4:03 | Along Rt. 440 |
| 10/7/2010 | 276 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 4:06-4:10 | Along Rt. 440 |
| 10/7/2010 | 277 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 4:13-4:21 | Along Rt. 440 |
| 10/7/2010 | 278 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 4:22-4:25 | Along Rt. 440 |
| 10/7/2010 | 279 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 4:30-4:35 | Along Rt. 440 |
| 10/7/2010 | 280 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 4:37-4:43 | Along Rt. 440 |
| 10/7/2010 | 281 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 4:47-4:52 | Along Rt. 440 |
| 10/7/2010 | 282 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 4:54-4:58 | Along Rt. 440 |
| 10/11/2010 | 283 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 8:50-9:04 | Along Rt. 440 |
| 10/11/2010 | 284 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 9:25-9:32 | Along Rt. 440 |
| 10/11/2010 | 285 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 9:34-9:44 | Along Rt. 440 |
| 10/11/2010 | 286 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 9:45-9:53 | Along Rt. 440 |
| 10/11/2010 | 287 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 9:56-10:03 | Along Rt. 440 |
| 10/11/2010 | 288 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 10:12-10:21 | Along Rt. 440 |
| 10/11/2010 | 289 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 10:24-10:30 | Along Rt. 440 |
| 3/17/2011 | 290 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 8:30-8:37 | Along Rt. 440 -access gate |
| 3/17/2011 | 291 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 8:39-8:45 | Along Rt. 440 -access gate |
| 3/17/2011 | 292 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 8:50-8:55 | Along Rt. 440 -access gate |
| 3/17/2011 | 293 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 9:00-9:08 | Along Rt. 440 -access gate |
| 3/17/2011 | 294 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 9:10-9:15 | Along Rt. 440 -access gate |
| 10/11/2010 | 295 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 11:18-11:23 | Along Rt. 440 |

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| 10/11/2010 | 296 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 11:25-11:33 | Along Rt. 440 |
| 10/11/2010 | 297 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 11:40-11:47 | Along Rt. 440 |
| 10/11/2010 | 298 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 11:48-11:54 | Along Rt. 440 |
| 10/11/2010 | 299 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 12:36-12:41 | Along Rt. 440 |
| 3/17/2011 | 300 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 10:35-10:40 | Along Rt. 440 -access gate |
| 3/17/2011 | 301 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 10:45-10:51 | Along Rt. 440 -access gate |
| 3/18/2011 | 302 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 8:15-8:21 | Along Rt. 440 -access gate |
| 3/18/2011 | 303 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 8:25-8:31 | Along Rt. 440 -access gate |
| 10/11/2010 | 304 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 12:49-12:53 | Along Rt. 440 |
| 10/11/2010 | 305 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 12:55-1:00 | Along Rt. 440 |
| 10/11/2010 | 306 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 1:01-1:05 | Along Rt. 440 |
| 10/11/2010 | 307 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 1:06-1:10 | Along Rt. 440 |
| 10/11/2010 | 308 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 1:16-1:19 | Along Rt. 440 |
| 10/11/2010 | 309 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 1:20-1:24 | Along Rt. 440 |
| 10/11/2010 | 310 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 1:25-1:31 | Along Rt. 440 |
| 10/11/2010 | 311 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 1:35-1:42 | Along Rt. 440 |
| 10/11/2010 | 312 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 2:20-2:25 | Along Rt. 440 |
| 10/11/2010 | 313 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 2:27-2:33 | Along Rt. 440 |
| 10/11/2010 | 314 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 2:35-2:39 | Along Rt. 440 |
| 10/11/2010 | 315 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 2:41-2:45 | Along Rt. 440 |
| 10/11/2010 | 316 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 2:51-2:54 | Along Rt. 440 |
| 10/11/2010 | 317 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 2:55-2:59 | Along Rt. 440 |
| 10/11/2010 | 318 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 3:00-3:08 | Along Rt. 440 |
| 10/11/2010 | 319 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 3:10-3:16 | Along Rt. 440 |
| 10/11/2010 | 320 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 3:24-3:27 | Along Rt. 440 |
| 10/11/2010 | 321 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 3:29-3:33 | Along Rt. 440 |
| 10/11/2010 | 322 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 3:34-3:38 | Along Rt. 440 |
| 10/11/2010 | 323 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 3:39-3:44 | Along Rt. 440 |
| 10/11/2010 | 324 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 3:45-:3:50 | Along Rt. 440 |
| 10/11/2010 | 325 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 4:00-4:04 | Along Rt. 440 |
| 10/11/2010 | 326 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 4:05-4:08 | Along Rt. 440 |

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| 10/11/2010 | 327 | West Wall | AZ-14 770 Double | 12.0 | 0.00 | 4:09-4:13 | Along Rt. 440 |
| 10/12/2010 | 328 | South Wall | AZ-14 770 Double | 12.0 | 0.00 | 8:41-8:49 | Along Rt. 440 |
| 10/12/2010 | 329 | South Wall | AZ-14 770 Double | 12.0 | 0.00 | 8:50-8:55 | Along Rt. 440 |
| 10/12/2010 | 330 | South Wall | AZ-14 770 Double | 12.0 | 0.00 | 8:56-9:00 | Along Rt. 440 |
| 10/12/2010 | 331 | South Wall | AZ-14 770 Double | 12.0 | 0.00 | 9:01-9:05 | Along Rt. 440 |
| 10/12/2010 | 332 | South Wall | AZ-14 770 Double | 12.0 | 0.00 | 9:35-9:40 | Along Rt. 440 |
| 10/12/2010 | 333 | South Wall | AZ-14 770 Double | 12.0 | 0.00 | 9:43-9:47 | Along Rt. 440 |
| 10/12/2010 | 334 | South Wall | AZ-14 770 Double | 12.0 | 0.00 | 9:54-9:58 | Along Rt. 440 |
| 10/12/2010 | 335 | South Wall | AZ-14 770 Double | 12.0 | 0.00 | 10:31-10:40 | Along Rt. 440 |
| 10/12/2010 | 336 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 10:45-10:53 | Along Rt. 440 |
| 10/12/2010 | 337 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 10:55-11:10 | Along Rt. 440 |
| 10/12/2010 | 338 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 11:11-11:15 | Along Rt. 440 |
| 10/12/2010 | 339 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 11:40-11:43 | Along Rt. 440 |
| 10/12/2010 | 340 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 12:34-12:45 | Along Rt. 440 |
| 10/12/2010 | 341 | Wing Wall | AZ-19-770 Double | 46.0 | -24.00 | 1:15-1:30 | Along Rt. 440 |
| 10/14/2010 | 342 | South Wall | AZ-19-700 Double | 46.0 | -28.00 | 7:37-7:45 | Along Home Depot Property line |
| 10/14/2010 | 343 | South Wall | AZ-19-700 Double | 46.0 | -28.00 | 7:47-7:56 | Along Home Depot Property line |
| 10/14/2010 | 344 | South Wall | AZ-19-700 Double | 24.0 | -10.00 | 8:37-8:43 | Along Home Depot Property line |
| 10/14/2010 | 345 | South Wall | AZ-19-700 Double | 24.0 | -10.00 | 8:46-8:53 | Along Home Depot Property line |
| 10/15/2010 | 346 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 9:20-9:45 | Along Rt. 440 |
| 10/15/2010 | 347 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | | Along Rt. 440 |
| 10/15/2010 | 348 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 10:12-10:23 | Along Rt. 440 |
| 10/15/2010 | 349 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 10:30-10:37 | Along Rt. 440 |
| 10/15/2010 | 350 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 10:39-10:53 | Along Rt. 440 |
| 10/15/2010 | 351 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 11:07-11:18 | Along Rt. 440 |
| 10/15/2010 | 352 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 11:24-11:35 | Along Rt. 440 |
| 10/15/2010 | 353 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 11:40-11:55 | Along Rt. 440 |
| 10/15/2010 | 354 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 12:36-12:41 | Along Rt. 440 |
| 10/15/2010 | 355 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 12:42-12:50 | Along Rt. 440 |
| 10/15/2010 | 356 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 12:55-1:04 | Along Rt. 440 |
| 10/15/2010 | 357 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:05-1:12 | Along Rt. 440 |

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| 10/15/2010 | 358 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:20-1:26 | Along Rt. 440 |
| 10/15/2010 | 359 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:27-1:33 | Along Rt. 440 |
| 10/15/2010 | 360 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:34-1:40 | Along Rt. 440 |
| 10/15/2010 | 361 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:52-1:56 | Along Rt. 440 |
| 10/15/2010 | 362 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:57-2:00 | Along Rt. 440 |
| 10/15/2010 | 363 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 2:01-2:09 | Along Rt. 440 |
| 10/15/2010 | 364 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 2:10-2:14 | Along Rt. 440 |
| 10/15/2010 | 365 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 2:25-2:27 | Along Rt. 440 |
| 10/15/2010 | 366 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 2:30-2:34 | Along Rt. 440 |
| 10/15/2010 | 367 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 2:37-2:42 | Along Rt. 440 |
| 10/15/2010 | 368 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 2:44-2:48 | Along Rt. 440 |
| 10/15/2010 | 369 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 2:50-2:55 | Along Rt. 440 |
| 10/15/2010 | 370 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 2:59-3:05 | Along Rt. 440 |
| 10/15/2010 | 371 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 3:07-3:12 | Along Rt. 440 |
| 10/15/2010 | 372 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 3:15-3:21 | Along Rt. 440 |
| 10/15/2010 | 373 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 3:22-3:27 | Along Rt. 440 |
| 10/18/2010 | 374 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 8:35-8:45 | Along Rt. 440 |
| 10/18/2010 | 375 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 8:49-8:56 | Along Rt. 440 |
| 10/18/2010 | 376 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 8:58-9:04 | Along Rt. 440 |
| 10/18/2010 | 377 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 9:45-9:55 | Along Rt. 440 |
| 10/18/2010 | 378 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 9:56-10:02 | Along Rt. 440 |
| 10/18/2010 | 379 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 10:12-10:20 | Along Rt. 440 |
| 10/18/2010 | 380 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 10:22-10:26 | Along Rt. 440 |
| 10/18/2010 | 381 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 10:28-10:35 | Along Rt. 440 |
| 10/18/2010 | 382 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 10:36-10:41 | Along Rt. 440 |
| 10/18/2010 | 383 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 11:18-11:23 | Along Rt. 440 |
| 10/18/2010 | 384 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 11:26-11:30 | Along Rt. 440 |
| 10/18/2010 | 385 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 11:32-11:39 | Along Rt. 440 |
| 10/18/2010 | 386 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:20-1:33 | Along Rt. 440 |
| 10/18/2010 | 387 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:35-1:45 | Bldg. 6-South Wall |
| 10/18/2010 | 388 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:48-2:05 | Bldg. 6-South Wall |

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| 10/18/2010 | 389 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 2:10-2:35 | Bldg. 6-South Wall |
| 10/18/2010 | 390 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 3:15-3:45 | Bldg. 6-South Wall |
| 10/18/2010 | 391 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 2:38-245 | Bldg. 6-South Wall |
| 10/18/2010 | 392 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 2:50-3:00 | Bldg. 6-South Wall |
| 10/18/2010 | 393 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 4:10-4:14 | Bldg. 6-South Wall |
| 10/19/2010 | 394 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 8:43-8:57 | Bldg. 6-South Wall |
| 10/19/2010 | 395 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 8:59-9:05 | Bldg. 6-South Wall |
| 10/19/2010 | 396 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 9:08-9:13 | Bldg. 6-South Wall |
| 10/19/2010 | 397 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 10:17-10:25 | Bldg. 6-South Wall |
| 10/19/2010 | 398 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 11:05-11:15 | Along Rt. 440 |
| 10/19/2010 | 399 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 11:17-11:32 | Along Rt. 440 |
| 10/19/2010 | 400 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 11:34-11:44 | Along Rt. 440 |
| 10/19/2010 | 401 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 12:58-1:08 | Along Rt. 440 |
| 10/19/2010 | 402 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 3:40-3:56 | Along Rt. 440 |
| 10/19/2010 | 403 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:34-1:59 | Along Rt. 440 |
| 10/19/2010 | 404 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 2:10-2:19 | Along Rt. 440 |
| 10/19/2010 | 405 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | n/a | Along Rt. 440 |
| 10/19/2010 | 406 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 2:20-2:31 | Along Rt. 440 |
| 10/19/2010 | 407 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 2:36-2:45 | Along Rt. 440 |
| 10/19/2010 | 408 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 2:51-2:59 | Along Rt. 440 |
| 10/19/2010 | 409 | West Wall | AZ-19-770 Double | 36.0 | -24.00 | 3:00-3:08 | Along Rt. 440 |
| 10/20/2010 | 410 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 9:25-9:33 | Bldg. 6-South Wall |
| 10/20/2010 | 411 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 9:42-9:49 | Bldg. 6-South Wall |
| 10/20/2010 | 412 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 9:52-9:58 | Bldg. 6-South Wall |
| 10/20/2010 | 413 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 10:01-10:15 | Bldg. 6-South Wall |
| 10/20/2010 | 414 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 10:27-10:43 | Bldg. 6-South Wall |
| 10/20/2010 | 415 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 11:05-11:15 | Bldg. 6-South Wall |
| 10/20/2010 | 416 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 11:28-11:40 | Bldg. 6-South Wall |
| 10/20/2010 | 417 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 11:41-11:55 | Bldg. 6-South Wall |
| 10/20/2010 | 418 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:04-1:12 | Bldg. 6-South Wall |
| 10/20/2010 | 419 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:20-1:25 | Bldg. 6-South Wall |

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| 10/20/2010 | 420 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 2:45-2:50 | Along Carbon Place/Building 6 |
| 10/20/2010 | 421 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 2:52-2:59 | Along Carbon Place/Building 6 |
| 10/20/2010 | 422 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 3:04-3:08 | Along Carbon Place/Building 6 |
| 10/20/2010 | 423 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 3:11-3:19 | Along Carbon Place/Building 6 |
| 10/20/2010 | 424 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 3:25-3:40 | Along Carbon Place/Building 6 |
| 10/21/2010 | 425 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 8:30-8:44 | Along Carbon Place/Building 6 |
| 10/21/2010 | 426 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 8:49-8:55 | Along Carbon Place/Building 6 |
| 10/21/2010 | 427 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 8:57-9:02 | Along Carbon Place/Building 6 |
| 10/21/2010 | 428 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 9:04-9:10 | Along Carbon Place/Building 6 |
| 10/21/2010 | 429 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 9:30-9:40 | Along Carbon Place/Building 6 |
| 10/21/2010 | 430 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 9:42-9:50 | Along Carbon Place/Building 6 |
| 10/21/2010 | 431 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 10:15-10:28 | Along Carbon Place/Building 6 |
| 10/21/2010 | 432 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 10:33-10:43 | Along Carbon Place/Building 6 |
| 10/21/2010 | 433 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 10:45-10:51 | Along Carbon Place/Building 6 |
| 10/21/2010 | 434 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 10:57-11:04 | Along Carbon Place/Building 6 |
| 10/21/2010 | 435 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 11:06-11:12 | Along Carbon Place/Building 6 |
| 10/21/2010 | 436 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 11:26-11:35 | Along Carbon Place/Building 6 |
| 10/21/2010 | 437 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 11:38-11:49 | Along Carbon Place/Building 6 |
| 10/21/2010 | 438 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:15-1:23 | Along Carbon Place/Building 6 |
| 10/21/2010 | 439 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:28-1:36 | Along Carbon Place/Building 6 |
| 10/21/2010 | 440 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:40-1:47 | Along Carbon Place/Building 7 |
| 10/21/2010 | 441 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 2:45-3:00 | Along Carbon Place/Building 8 |
| 10/22/2010 | 442 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 7:35-7:59 | West Wall Bldg. 6 |
| 10/22/2010 | 443 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 8:02-8:10 | West Wall Bldg. 6 |
| 10/22/2010 | 444 | North Wall | AZ-19-770 Double | 36.0 | -24.00 | 8:15-8:23 | West Wall Bldg. 6 |
| 10/22/2010 | 445 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 8:25-8:33 | Bldg. 6-East |
| 10/22/2010 | 446 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 8:36-8:44 | Bldg. 6-East |
| 10/22/2010 | 447 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 8:47-9:15 | Bldg. 6-East |
| 10/22/2010 | 448 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 10:35-10:43 | Bldg. 6-East |
| 10/22/2010 | 449 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 10:50-10:58 | Bldg. 6-East |
| 10/22/2010 | 450 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 11:05-11:10 | Bldg. 6-East |

| | | | | | | | |
|------------|-----|-----------|------------------|------|--------|-------------|--------------|
| 10/25/2010 | 451 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 10:30-10:42 | Bldg. 6-East |
| 10/25/2010 | 452 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 10:43-10:53 | Bldg. 6-East |
| 10/25/2010 | 453 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 10:54-11:07 | Bldg. 6-East |
| 10/25/2010 | 454 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 11:10-11:15 | Bldg. 6-East |
| 10/25/2010 | 455 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 11:16-11:24 | Bldg. 6-East |
| 10/25/2010 | 456 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 11:28-11:38 | Bldg. 6-East |
| 10/25/2010 | 457 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 11:40-11:47 | Bldg. 6-East |
| 10/25/2010 | 458 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 11:49-11:54 | Bldg. 6-East |
| 10/25/2010 | 459 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 12:53-1:01 | Bldg. 6-East |
| 10/25/2010 | 460 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:02-1:12 | Bldg. 6-East |
| 10/25/2010 | 461 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:08-1:12 | Bldg. 6-East |
| 10/25/2010 | 462 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:14-1:19 | Bldg. 6-East |
| 10/25/2010 | 463 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:20-1:26 | Bldg. 6-East |
| 10/25/2010 | 464 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:32-1:37 | Bldg. 6-East |
| 10/25/2010 | 465 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:38-1:57 | Bldg. 6-East |
| 10/25/2010 | 466 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:58-2:06 | Bldg. 6-East |
| 10/25/2010 | 467 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 2:08-2:14 | Bldg. 6-East |
| 10/25/2010 | 468 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 2:30-2:44 | Bldg. 6-East |
| 10/25/2010 | 469 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 2:47-3:00 | Bldg. 6-East |
| 10/25/2010 | 470 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 3:42-4:09 | Bldg. 6-East |
| 10/25/2010 | 471 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 4:10-4:17 | Bldg. 6-East |
| 10/25/2010 | 472 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 4:20-4:28 | Bldg. 6-East |
| 10/25/2010 | 473 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 4:29-4:34 | Bldg. 6-East |
| 10/25/2010 | 474 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 4:36-4:45 | Bldg. 6-East |
| 10/25/2010 | 475 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 4:48-5:08 | Bldg. 6-East |
| 10/26/2010 | 476 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 7:50-8:08 | Bldg. 6-East |
| 10/26/2010 | 477 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 8:12-8:30 | Bldg. 6-East |
| 10/26/2010 | 478 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 8:33-8:41 | Bldg. 6-East |
| 10/26/2010 | 479 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 8:45-9:00 | Bldg. 6-East |
| 10/26/2010 | 480 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 9:25-9:51 | Bldg. 6-East |
| 10/26/2010 | 481 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 10:00-10:15 | Bldg. 6-East |

| | | | | | | | |
|------------|------|--------------|------------------|------|--------|-------------|---------------------------------------|
| 10/26/2010 | 482 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 12:38-12:44 | Bldg. 6-East |
| 10/26/2010 | 483 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 12:45-12:59 | Bldg. 6-East |
| 10/26/2010 | 484 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:15-1:23 | Bldg. 6-East |
| 10/26/2010 | 485 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:34-1:43 | Bldg. 6-East |
| 10/26/2010 | 486 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:44-1:53 | Bldg. 6-East |
| 10/26/2010 | 487 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 1:55-2:03 | Bldg. 6-East |
| 10/26/2010 | 488 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 2:04-2:15 | Bldg. 6-East |
| 10/26/2010 | 489 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 2:18-2:29 | Bldg. 6-East |
| 10/26/2010 | 490 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 2:50-3:05 | Bldg. 6-East |
| 10/26/2010 | 491 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 3:08-3:25 | Bldg. 6-East |
| 10/27/2010 | 492 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 3:36-3:41 | Bldg. 6-East |
| 10/27/2010 | 493 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 3:53-3:59 | Bldg. 6-East |
| 10/27/2010 | 494 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 4:00-4:04 | Bldg. 6-East |
| 10/27/2010 | 495 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 4:05-4:09 | Bldg. 6-East |
| 10/27/2010 | 496 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 4:10-4:15 | Bldg. 6-East |
| 10/27/2010 | 497 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 4:20-4:29 | Bldg. 6-East |
| 10/27/2010 | 498 | East Wall | AZ-19-770 Double | 36.0 | -24.00 | 8:09-8:35 | Bldg. 6-East |
| 12/1/2010 | 499 | South Wall | AZ-19-770 Double | 36.0 | -24.00 | 7:57-8:07 | Bldg. 6-South Wall |
| 12/2/2010 | 500 | Carbon Place | AZ-19-770 Double | 36.0 | -24.00 | 8:58-9:05 | Bldg. 6-Carbon Place |
| 4/15/2011 | #92 | South Wall | AZ-19-700 Double | 50.0 | -35.00 | n/a | Reapir Along Home Depot Property line |
| 4/18/2011 | #93 | South Wall | AZ-19-700 Double | 50.0 | -35.00 | n/a | Reapir Along Home Depot Property line |
| 4/19/2011 | #149 | South Wall | AZ-19-700 Double | 50.0 | -35.00 | n/a | Reapir Along Home Depot Property line |
| 4/19/2011 | #150 | South Wall | AZ-19-700 Double | 50.0 | -35.00 | n/a | Reapir Along Home Depot Property line |

I CERTIFY THAT ALL SHEETPILES INSTALLED ON THE SA-5 HONEYWELL SITE IN JERSEY CITY, NJ RECEIVED AN APPLICATION RATE OF 1 OZ. PER LINEAR FOOT OF DENEFF SWELLSEAL WA CAULK BY A SEVENSON REPRESENTATIVE.

Robert Vaeh

MORETRENCH

100 Stickle Avenue, Rockaway, NJ 07866-3146
Tel: 973-627-2100 ext. 304 | Fax: 973-586-7265

LETTER OF TRANSMITTAL

TO: Michael W. Muth
Sevenson Environmental Services, Inc.
500-520 STATE RTE 440
Jersey City, New Jersey 07305
MMuth@sevenson.com
Phone: 716-628-6524

DATE: September 15, 2010

Job # 71-84xx

RE: Engineering #1
MTA Procedural Submittal Rev. 0

Name: Honeywell SA-5 Project Building 5
Tieback Excavation Support
Jersey City NJ

SENT VIA:

☐

U.S. MAIL

☐

UPS

☐

FEDEX

☐

FAX:

☐

HAND DELIVERED

☒

(Email)

WE ARE SENDING YOU:

☐

Contract

☐

Calculations

☐

Plans

☐

Invoice

☐

Copy of Letter

☐

Change Order

☐

Shop Drawings

☒

Other

| COPIES | DATE | DESCRIPTION |
|--------|-----------|---|
| I | 9/14/2010 | Eng #1 MTA Procedural Submittal Rev. 0 (155 Sheets) |
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ITEMS FOR TRANSMITTAL, as checked below:

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For Review & Comment

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For Bids Due

☐

Other

REMARKS:

Attached please find an electronic copy of MTA procedural submittal document in pdf format for Honeywell SA-5 project Building 5 tieback installation.

CC:

FILE:

SIGNED:



Name: Yaser Taheri

Title: Staff Engineer

Submittal for
The Installation and Load Testing of
Temporary Tiebacks

Building 5 Excavation Support
Moretrench Job # 71-84xx

Jersey City, NJ

Submitted to:
Sevenson Environmental Services

Submitted by:
MORETRENCH
100 Stickle Avenue
Rockaway, NJ 07866

| Revision No. | Prepared By: | Date Prepared: | Approved By: | Date Approved: |
|-----------------|-----------------|-------------------|-----------------|-------------------|
| 0 | Y.T. | 09/14/10 | K.L. | 09/14/10 |
| | | | | |

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INTRODUCTION

Moretrench is furnishing, installing, and testing a total of fifty five (55) temporary tiebacks as well as furnishing and installing associated wales to anchor sheet piling for excavation support of Building 5 located on the New Jersey City University (NJCU) Property in Jersey City, New Jersey. The tieback system has been designed by the Owner's Engineer, Mueser Rutledge Consulting Engineers (Engineer). The tieback locations, orientation, tieback installation elevation, designed loads, bar size, unbundled length (free length), and wales size are defined by Contract Structural Drawing sheets S-114, S-115, S-121, S-123, S-130, S-131 dated May 06, 2010. Moretrench will perform the calculations for tieback bond length and drill hole diameter and generate Shop Drawings with respect to required tieback details based on the loads specified on contract structural drawing sheet S-114, S-115, and S-131. Bond length design calculations and reduced size shop drawings are included in Appendix D of this submittal. Full size Shop Drawings will be submitted under a separate cover. This work will be performed in general accordance with the Contract Structural Drawing listed above and Post Tensioning Institute (PTI) "Recommendations for Prestressed Rock and Soil Anchors" 4th Edition (2004), unless otherwise noted.

The following are items excluded from Moretrench's scope of work and should be provided by the General Contractor:

- Permits, easements and fees associated with this work, including permits for the use of fire hydrants and hydrant adapters.
- Locating, relocating and removing underground and overhead utilities and obstructions interfering with our work. Supporting of existing utilities, if required. This includes de-energizing and/or shielding of overhead power lines, if necessary.
- All demolition and removal of obstacles to obtain proper access to the tieback work.
- Lifting services to load and off-load our equipment and materials, and place about the worksite where needed.
- All survey and layout, including paint marks at all anchor locations.
- Establish and locate all lines and levels and provide tieback elevations.
- Sufficient potable water for the conduct of our work, minimum 2-inch connection at 150 psi within 200 feet of our working area.
- Daily collection, removal, and disposal of all spoils and grout resulting from our work.
- Preconstruction surveys and monitoring of existing structures, as required.

- Sheet pile to be true and straight such that no additional fabrication, blocking, or shimming of wale required.
- Adequate and secure lay-down area for our equipment, materials, and vehicles close to the work area.
- All excavation as required, to install the tieback rock anchors.
- All safety or guard railings and fencing at the top of the retention system.
- Provision of a level, stable, and dry working area 1 to 2 feet below the tieback elevation, including a minimum 25 ft wide bench for our drill rig.
- Dewatering so that our work is done in the dry and in one continuous, uninterrupted manner.
- Onsite wheel wash-down areas for our vehicles and equipment.
- Water tight seal where tieback penetrates the sheeting.
- Materials testing, grout testing, and inspections.
- De-tensioning of ties, removals and/or cutoffs of any kind. Everything is left in place for your ownership including wale assemblies.
- Cleaning and restoration of work area after completion of our work.

INDEX OF APPENDICIES AND ATTACHMENTS

- Appendix A Anchor Installation Procedures – Proposed procedures for drilling and installing tiebacks including drill rig/equipment cut sheets, material supplier cut sheets, etc.
- Appendix B Wale Installation Procedures.
- Appendix C Grout Mix Designs, QA/QC, & Grouting Equipment – Grout mix designs, test results, admixture catalog cut sheets, and example grouting equipment cut sheets.
- Appendix D Shop Drawings, Design Checks, & Load Testing – Shop Drawings, Tieback Design, load testing procedures and equipment.
- Appendix E Qualifications – Moretrench Corporate Profile, summary of recently completed tieback projects, and resumes for field supervision

APPENDIX A – TIEBACK INSTALLATION PROCEDURES

Appendix A

Tieback Installation Procedures

I.1 General

The following procedures describe the proposed method, materials, sequence, and equipment to be used to install fifty five (55) temporary tiebacks anchors and their associated wales to support sheet piling for Building 5 excavations. The tieback anchor locations and schematic details are shown on Contract Structural Drawing S-114, S-115, and S-121. The methods described herein outline the procedures to be utilized for drill casing advancement, drill alignment control, tendon installation, and grouting. The grouting procedure outlined below includes tremie grouting and pressure grouting.

I.2 Site Access

Moretrench assumes there will be no site constraints prohibiting access to tieback location and access for workforce, materials, and equipment. Unlimited headroom is to be provided at every tieback locations. All excavation required to obtain proper access to tieback locations shall be completed prior to Moretrench mobilization. Tiebacks will be installed in one phase from a prepared, firm, dry, level working bench, minimum 25 ft wide, at a depth approximately 1' to 2' below the designed wale elevation (El. +11.0). The supplemental equipment and materials staging area will be located adjacent to the drill rig. General Contractor will provide adequate access for Moretrench in accordance with OSHA (Occupational Safety and Health Administration) standards. General Contractor will provide mark-outs at each tieback location. All easement required for tieback installation is to be obtained by others. We specifically note that for the required tieback lengths, the tiebacks may be installed under existing structure i.e. Raymore & Flannigan building indicated as the Levitz Furniture in contract drawing. It is our understanding that the on-site contaminate is hexavalent chromium requiring Level D personal protection equipment. According to OSHA, the following constitute Level D equipment:

- Gloves.
- Boots
- Safety glasses
- Hard hat.

Moretrench shall be notified if additional information regarding contamination becomes available and suggests otherwise.

I.3 Work Sequence

In general accordance with the Contract Drawings, Moretrench expects that the work sequence will proceed as follows:

- Cut 7 inch minimum diameter elliptical hole through the steel sheet piling at every tieback location and correct inclination.
- Install split channel wales at the designed elevation.
- Drill, install, and grout all fifty five (55) tieback anchors.
- Performance test the initial four (4) tiebacks as required.
- Proof test all remaining fifty one (51) tieback anchors as required.
- Lock off all anchors at specified loads.

1.4 Tieback Design

The tiebacks have been designed by the Owner's engineer. This design includes tieback layout, applied design loading, orientation, tendon size, free length, and wale size. Tiebacks as defined on contract drawings are designed for an axial tension load varying from 100 to 140 kips and consist of 1-3/8" diameter, 150 ksi, threaded bar with a "free" length of 20 feet. As shown on the contract drawings, the anchors shall be installed at either 30 or 45 degrees. Moretrench has designed the diameter, bond length, and tieback details. Design calculations and shop drawings are included in Appendix D of this document.

Per our design calculation, the minimum required bond length for anchors with 100 kips design load is 25 feet and for 130 or 140 kips design load is 35 feet. The anchors shall be installed within a minimum 5 inch diameter drill hole. Per our proposal, Moretrench will use strands in replacement of 1-3/8" diameter, 150 ksi, threaded bar. The number of strands (0.6 inch diameter Grade 270) tendons has been selected to withstand the maximum test load in accordance with industry standard design procedure. The anchors with a 100 kip design load will require three (3) strands and the anchors with design load of 130 or 140 kips will require four (4) strands. Each strand tendon is rated for a design load of 35.2 kips, but not less than three strands will be used for any anchor configuration. The strands will be installed to the full tieback length. Centralizers/spacers might be utilized within bond zone for proper alignment of tendons. Grout in anchors has a design compressive strength requirement of 3,000 psi.

1.5 Tieback Penetration Through Sheet Pile

Prior to or after wale installation, a 7 inch minimum diameter elliptical hole will be cut through the steel sheet piling at every tieback location and at the correct inclination for the tieback to allow drill rod or casing to penetrate sheet pile wall. With all the tieback elevations at +11 and water table elevation at +9, water seepage or leakage is not anticipated to be an issue. Therefore, sealing the tieback openings is not believe to be necessary and is considered outside of our scope of work. If sealing elliptical hole deem necessary, this work shall be done by others

after completion of tieback installation. A detail description of wale installation procedure is outlined in Appendix B of this document.

1.6 Drilling Method

The tiebacks shall be drilled to the design depth, with the inclination shown on the contract drawings using rotary-percussion top drive drilling method with internal air flush. An air compressor would be used to power this drilling system (see Attachment A1). A 114.3 mm (minimum) outside diameter drill casing will be advanced simultaneously with an inner rod and bit to the proposed tieback drill depth while pumping air through inner drill rod. The casing will be manufactured in 1, 2, and 3 meter lengths. The first casing section will have casing crown bit with carbide inserts to facilitate installation. Threaded casing joints will be assembled by the rotary head of the drilling rig

The drill fluid and soil cuttings will return to the surface through the annulus between the casing and drill rod unless ground conditions do not permit this to occur. Generally, an external flush will generate at the start of the anchor construction; however, once suitable ground is reached, a seal between the outside of the casing and the ground will be created permitting an internal flush to occur. Once the designed tieback drill depth is reached, drilling will cease and additional drill fluid is pumped through the inner drill rod until clean drill fluid return is observed. This indicates that the soil cuttings have been adequately removed from within the casing. After the anchor drill hole is flushed clean, the inner drill rods will be removed from the hole.

Depending on equipment availability at time of mobilization and at Moretrench's option, a hydraulic tracked drill rig such as a Klemm 802, Klemm 803, Klemm 806 or similar will be utilized to install tieback anchors (Attachment A2). Moretrench reserves the right to employ alternate drilling methods as required if obstructions encountered during drilling operation. In particular, down the hole hammer (DTHH) or overburden systems may be used.

1.7 Tendon Installation

Once the drilled hole is flushed clean and the inner rods and bit are removed, the strands will be inserted into the drill hole prior to grouting. Alternatively, strands may be installed after grouting of drill hole. Strand tendons have 270 ksi ultimate strength conforming to ASTM A416 and will be manufactured by Dywidag Systems, Williams Form, or equal. See Attachment A3 for information on the strands and accessories. Strand anchors will be delivered to the field with the anchor free length grouted and sheathed with minimum 30 mil polyethylene sheathing pre-installed. Typical construction and fabrication details are shown on our shop drawings. The strand tendons are equipped with centralizers/spacer to ensure adequate spacing and proper alignment of strands. The centralizers/spacers will be at a maximum center to center spacing of 10 ft and be within 2 ft of bottom of anchor. Strands hardware will be installed in accordance

with the manufacture's recommendations. Mill certificates for tendon material will be provided after material delivery (See Attachment A4 for a sample).

1.8 Grouting Procedures

Anchors will be grouted upon completion of drilling operation and installation of tendon. A PVC or HDPE tremie tube will be inserted into casing and extended to the bottom of drill hole; tremie grouting will begin using neat cement grout until rich undiluted grout is observed exiting the top of the drill hole. Remove the tremie tube from the anchor, or ensure tremie tube is completely grout filled and remove grout hose connection. The anchor may be "topped off" with additional fluid grout if required. Withdraw casing sections up to the planned top of bond zone, maintaining casing full of grout. At Moretrench's option, the bond length shall be globally pressure grouted to a maximum anticipated pressure of 50 psi. Continue removal of casing sections until all casing, extracted from hole, maintaining casing full of grout. The grout pressure gauge will be positioned adjacent to the driller's console.

The grout plant used to perform all grout mixing and pumping will consist of a paddle mixer and pumping unit. Refer to Appendix C - Grout Mix Designs, QA/QC, and Equipment for data on the mix and grout. The primary grout mix will have a minimum compressive strength of 3,000 psi at time of testing. Grout volumes injected will be measured in terms of the number of bags of Portland cement or an electromagnetic flow meter at our option. For the proposed primary cement grout mix, one (1) bag of cement yields approximately 1.15 ft³ of grout. The theoretical grout volume required to fill one anchor drill hole is anticipated to be approximately 5 ft³, equating to approximately 5 bags of cement.

1.9 Testing

After the tieback anchor has been grouted and the grout has cured 3 days, all temporary tieback anchors will be stressed as described in Appendix D – Anchor Design Check, Shop Drawings, and Load Testing. Upon completion of the testing, anchors will be locked-off directly against the wales at the designed elevation. Lift-off tests will be performed at designated anchor locations immediately after anchor lock-off.

1.10 Re-grouting

If anchor performance is not satisfactory during testing, Moretrench reserves the right to perform post-grouting. Post-grout tubes will be installed during the initial anchor installation (See Attachment A5 for Cut Sheet). If required, Moretrench currently anticipates only single stage re-grouting. Multiple stage re-grouting, through use of packers may be employed at Moretrench's option. Ports in the post-grout tube will be cracked open using grout or water (our option) and additional grout will be injected and allowed to cure for a minimum of 3 days before re-testing.

The following information shall be recorded as additional grout is pumped through the re-grout tube:

1. Maximum pressure observed at start of regrouting operations which causes the initial grout mass in the ground to “fracture” (also known as the breaking pressure).
2. Maximum pressure observed during actual pumping of the additional grout.
3. Volume of grout injected during the re-grouting operation.

Re-grouting operation shall be terminated once one of the following threshold criteria is reached:

1. Breaking pressure reaches 300 psi with no indication that grout mass has fractured
2. Grouting pressure reaches 250 psi
3. Grouting volume reaches 8 bags of the grout placed with minimal increase in pressure

If the volume limit is reached without grouting pressure approaching 250 psi, then the anchor may be post-grouted again the next working day. The re-grout tubes will be flushed clean with water after each use to allow subsequent post-grout operations. Multiple post-grout “passes” may be performed at Moretrench’s option.

1.11 Spoil Containment

The General Contractor will be responsible for providing spoils containment measures including collecting/removing spoils from the work area so that our anchor installation operation is unaffected.

Attachment AI – Air Compressors



300 – 425 cfm

Portable Air Compressors



Ingersoll Rand portable air compressors keep you productive longer with a unique cool-box design that prolongs component life. Galvanneal sheet metal on the front panel and a three-step paint process help maintain the compressor's appearance and resale value.

Committed to your productivity

Ingersoll Rand compressors make your productivity a priority. With pressure ratings of 100 – 200 psig (6.9 – 13.8 bar), and capacity ranging between 300 – 425 cfm (8.5 – 12 m³/min), these models are built with the power you need, whatever the application.

| MODEL | VHP300WIR | HP375WIR | XP375WIR | P425WIR | PERFORMANCE FEATURES |
|--|-----------------------|-----------------------|-----------------------|----------------------|---|
| COMPRESSOR — ROTARY SCREW / SINGLE-STAGE | | | | | <ul style="list-style-type: none">Automatic shutdown protection with indicator lights, high discharge air temperature, low engine oil pressure, high engine coolant temperature, and low fuel levelElectric brakes with towing lights, side markers, and reflectorsExternal, single-point lifting bail for easy hoistingFull-length lockable side doors with pneumatic lift springs provide easy opening and excellent access for serviceabilityHeavy-duty A-frame drawbar with adjustable pintle eye and safety chains provide easy vehicle attachment and stability while towing |
| Free-air Delivery – cfm (m³/min) | 300 (8.5) | 375 (10.6) | 375 (10.6) | 425 (12) | |
| Rated Operating Pressure – psig (bar) | 200 (13.8) | 150 (10.3) | 125 (8.6) | 100 (6.9) | |
| Pressure Range – psig (bar) | 80 – 225 (5.5 – 15.5) | 80 – 175 (5.5 – 12.1) | 80 – 150 (5.5 – 10.3) | 80 – 125 (5.5 – 8.6) | |
| Air Discharge Outlet Size NPT – in (mm) | 1.25 (31.8) | 1.25 (31.8) | 1.25 (31.8) | 1.25 (31.8) | |
| Air Discharge Outlet Quantity | 1 | 1 | 1 | 1 | |
| ENGINE — TIER 2 | | | | | AVAILABLE OPTIONS (FACTORY-INSTALLED) <ul style="list-style-type: none">6 kW onboard generator with three 120 V, 20 amp, 1 phase, 60 Hz, GFI duplex receptacles4-in-1 gauge for engine temperature, volt meter, engine oil pressure, and discharge air temperatureTachometerAir filter maintenance indicator warning light on front panelKeyed ignitionDual pressure regulation (not available on P425 model)100' single or 100' double hose reels with or without hose, or OSHA valves8-position, adjustable pintle eye or ball hitch attachment, 19 – 33" in 2" incrementsPneumatic third wheel attached to drawbar in addition to standard screw jack with padfootParking brakeLess running gear with central drainsEntire enclosure constructed of galvalume sheet metal for improved corrosion protectionPivoting lifting bail for greater securityThree 3/4" NPT discharge valves |
| Make | Ingersoll Rand | Ingersoll Rand | Ingersoll Rand | Ingersoll Rand | |
| Model | 4IRD5AE | 4IRD5AE | 4IRD5AE | 4IRD5AE | |
| Number Of Cylinders | 4 | 4 | 4 | 4 | |
| Displacement – cu in (L) | 276 (4.5) | 276 (4.5) | 276 (4.5) | 276 (4.5) | |
| Rated Speed – rpm | 2,400 | 2,400 | 2,400 | 2,400 | |
| Idle Speed – rpm | 1,500 | 1,500 | 1,500 | 1,500 | |
| bhp @ Rated Speed | 125 | 125 | 125 | 125 | |
| Electrical | 24 V | 24 V | 24 V | 24 V | |
| Fuel Tank Capacity – gal (L) | 60 (227) | 60 (227) | 60 (227) | 60 (227) | |
| DIMENSIONS W/ RUNNING GEAR | | | | | |
| Length – in (mm) | 158.5 (4026) | 158.5 (4026) | 158.5 (4026) | 158.5 (4026) | |
| Width – in (mm) | 78.1 (1985) | 78.1 (1985) | 78.1 (1985) | 78.1 (1985) | |
| Height – in (mm); Add 5" (127 mm) for lift bail | 68 (1726) | 68 (1726) | 68 (1726) | 68 (1726) | |
| Track Width – in (mm) | 66.2 (1681) | 66.2 (1681) | 66.2 (1681) | 66.2 (1681) | |
| Shipping Weight — No Fuel – lb (kg) | 4,173 (1892) | 4,173 (1892) | 4,173 (1892) | 4,173 (1892) | |
| Working Weight — w/ Fuel – lb (kg) | 4,593 (2083) | 4,593 (2083) | 4,593 (2083) | 4,593 (2083) | |
| DIMENSIONS W/O RUNNING GEAR | | | | | |
| Length – in (mm); Add 6 – 8" (152 – 203 mm) for service valve | 104 (2642) | 104 (2642) | 104 (2642) | 104 (2642) | |
| Width – in (mm) | 60 (1524) | 60 (1524) | 60 (1524) | 60 (1524) | |
| Height – in (mm); Add 5" (127 mm) for lift bail | 56.8 (1443) | 56.8 (1443) | 56.8 (1443) | 56.8 (1443) | |
| Shipping Weight — No Fuel – lb (kg) | 3,861 (1751) est | 3,861 (1751) est | 3,861 (1751) est | 3,861 (1751) est | |
| Working Weight — w/ Fuel – lb (kg) | 4,281 (1941) est | 4,281 (1941) est | 4,281 (1941) est | 4,281 (1941) est | |

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Ingersoll Rand air compressors are not designed, intended, or approved for breathing air. Compressed air should not be used for breathing air applications under any circumstances.

Nothing contained in this brochure is intended to extend any warranty or representation, expressed or implied, regarding the products described herein. Any such warranties or other terms and conditions of sale shall be in accordance with standard Ingersoll Rand terms and conditions of sale for such products, which are available upon request.

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ONBOARD AFTERCOOLERS AND COALESCING FILTERS

The Instrument Quality air system option for the 300 – 375 cfm (8.5 – 10.6 m³/min) includes an internal aftercooler that provides an approach temperature of 20° F, as well as a water separator and dual particulate coalescing filters for cleaner, drier air. This system eliminates condensate waste and is available on the VHP300WIR, HP375WIR, and the XP375WIR.

These compressors are covered by a premium warranty available only on units powered by an Ingersoll Rand engine. This warranty is available when original Ingersoll Rand fluids, filters, and parts are used at the prescribed intervals.

- 5-year / 10,000-hour extended warranty on the powertrain, which includes the engine, the coupling, and the air end; these units are identified with the Ingersoll Rand engine logo
- 2-year / 4,000-hour warranty on the starter, alternator, and fuel system
- Fully transferable to the next owner
- Single source for all warranty parts and service
- Fuel / water separator comes standard



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400 – 600 cfm

Portable Air Compressors



Heavy-duty reliability and productivity

Rely on improved corrosion resistance with galvaneal sheet metal on the front panel and a three-step paint process over the entire enclosure. Ingersoll Rand portable air compressors deliver heavy-duty dependability and automatic safety features, plus a unique cool-box design that helps prolong component life.

| MODEL | VHP400WIR | HP450WIR | P600WIR |
|--|-----------------------|-----------------------|----------------------|
| COMPRESSOR — ROTARY SCREW / SINGLE-STAGE | | | |
| Free Air Delivery — cfm (m ³ /min) | 400 (11.3) | 450 (12.7) | 600 (17) |
| Rated Operating Pressure — psig (bar) | 200 (13.8) | 150 (10.3) | 100 (6.9) |
| Pressure Range — psig (bar) | 80 – 225 (5.5 – 15.5) | 80 – 175 (5.5 – 12.1) | 80 – 125 (5.5 – 8.6) |
| Air Discharge Outlet (qty x size) | 1 x 2 | 1 x 2 | 1 x 2 |
| Fuel Tank Capacity — gal (L) | 73 (276) | 73 (276) | 73 (276) |
| ENGINE — TIER 2 | | | |
| Make | Ingersoll Rand | Ingersoll Rand | Ingersoll Rand |
| Model | 6IRF8TE | 6IRF8TE | 6IRF8TE |
| Number Of Cylinders | 6 | 6 | 6 |
| Displacement — cu in (L) | 414 (6.8) | 414 (6.8) | 414 (6.8) |
| Rated Speed — rpm | 2,400 | 2,400 | 2,400 |
| Idle Speed — rpm | 1,500 | 1,500 | 1,500 |
| Bhp @ Rated Speed | 170 | 170 | 170 |
| Electrical — volts | 24 | 24 | 24 |
| DIMENSIONS WITH RUNNING GEAR | | | |
| Length — in (mm) | 170" (4318) | 170" (4318) | 170" (4318) |
| Width — in (mm) | 78.1" (1984) | 78.1" (1984) | 78.1" (1984) |
| Height — in (mm); Add 4.5" (114 mm) for lift bail | 76" (1930) | 76" (1930) | 76" (1930) |
| Track Width — in (mm) | 66.2" (1681) | 66.2" (1681) | 66.2" (1681) |
| Shipping Weight — No Fuel — lb (kg) | 5,133 (2328) | 5,133 (2328) | 5,133 (2328) |
| Working Weight — With Fuel — lb (kg) | 5,644 (2560) | 5,644 (2560) | 5,644 (2560) |
| Tire Size | ST235/80R16 | ST235/80R16 | ST235/80R16 |
| DIMENSIONS WITHOUT RUNNING GEAR | | | |
| Length — in (mm) | 117" (2972) | 117" (2972) | 117" (2972) |
| Width — in (mm) | 61" (1549) | 61" (1549) | 61" (1549) |
| Height — in (mm); Add 4.5" (114 mm) for lift bail | 56.9" (1445) | 56.9" (1445) | 56.9" (1445) |
| Shipping Weight — No Fuel — lb (kg) | 4,565 (2070) | 4,565 (2070) | 4,565 (2070) |
| Working Weight — With Fuel — lb (kg) | 5,000 (2268) | 5,000 (2268) | 5,000 (2268) |
| Engine Oil Capacity — gal (L) | 5.5 (20.8) | 5.5 (20.8) | 5.5 (20.8) |
| Radiator Coolant Capacity — gal (L) | 7.5 (28.4) | 7.5 (28.4) | 7.5 (28.4) |

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WARRANTY

These compressors are covered by a premium warranty available only on units powered by an Ingersoll Rand engine. This warranty is available when original Ingersoll Rand fluids, filters, and parts are used at the prescribed intervals.

- 5-year / 10,000-hour extended warranty on the powertrain, which includes the engine, the coupling, and the airend; these units are identified with the Ingersoll Rand engine logo
- Fully transferable to the next owner
- Single source for all warranty parts and service

ONBOARD AFTERCOOLERS AND COALESCING FILTERS

The Instrument Quality Air System option for the 400 – 450 cfm (11.3 – 12.7 m³/min) includes an internal aftercooler that provides an approach temperature of 20° F, as well as a water separator and dual particulate coalescing filters for cleaner, drier air. This system eliminates condensate waste and is available on the VHP400WIR and HP450WIR.

PERFORMANCE FEATURES

- Electric brakes with towing lights, side markers, and reflectors for additional safety during transport
- Heavy-duty screw jack
- External, single-point lifting bail for easy hoisting
- Heavy-duty A-frame drawbar with adjustable pintle eye and safety chains provide easy hook-up to vehicle and stability while towing
- Full-length lockable side doors with pneumatic lift springs provide easy opening and excellent access for serviceability
- Automatic shutdown protection with indicator lights
 - High discharge air temperature
 - Low engine oil pressure
 - High engine coolant temperature
 - Low fuel level

AVAILABLE OPTIONS (FACTORY-INSTALLED)

- 6 kW onboard generator with three 120-volt, 20-amp, 1-phase, 60-Hz GFI duplex receptacles
- Single or double hose reels with or without hose or OSHA valves
- Adjustable pintle eye or ball hitch attachment, 19" – 33" in 2" increments
- Keyed ignition
- Less running gear with central drains
- Tachometer
- 4-in-1 combo gauge
 - Engine temperature
 - Volt meter
 - Engine oil pressure
 - Discharge air temperature
- Air filter service indicator warning light on the panel
- Parking brake
- Dual pressure regulation (not available on P600 model)
- Pneumatic third wheel attached to drawbar in addition to the standard screw jack with padfoot
- Entire enclosure constructed of galvaneal sheet metal for improved corrosion protection
- Pivoting lifting bail for greater security
- Three 3/4" NPT discharge valves



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Attachment A2 – Drill Rigs

EQUIPMENT SUMMARY SHEET

| | | | |
|-----------------------------|--------------------|--------------|--------------|
| Rig Make/Model: | KLEMM 802-1 | 4000 | 4059 |
| Serial Number: | | 68066 | 68112 |
| Weight: | 18,730 lbs | | |
| Transport Dimensions | | | |
| Width: | 7'-3" | | |
| Length: | 20'-4" | | |
| Height: | 8'-3" | | |
| Engine | | | |
| Make | Perkins Diesel | | |
| Horsepower: | 100 HP | | |
| Fuel Consumption: | | | |
| Undercarriage | | | |
| Type: | Crawler | | |
| Width: | 7'-3" | | |
| Track Length: | 8'-6" | | |
| Shoe Width: | 1'-4" | | |
| Drill Mast | | | |
| Overall Length: | 18'-11" | | |
| Stroke Length: | 14'-1" | | |
| Extraction Force: | 8,992.5 lbs | | |
| Crowd Force: | 8,992.5 lbs | | |
| Winch Capacity: | 7376 lbs | | |
| Clamp Assembly | | | |
| Make/Model: | Klemm | MTA | |
| Single/Double: | Double | Single | |
| Min. Opening: | 2" | | |
| Max. Opening: | 10" | 14" | |
| Clamping Force: | | | |
| Rotary Head | | | |
| Make/Model: | KH-13 | KH-16 | |
| Torque (ft.-lb.) / RPM: | 10,000 / 52 | 11,654 / 51 | |
| Hydraulic Drifter | | | |
| Make/Model: | KD-1011 | KD-1215 | |
| Torque (ft.-lb.): | 5,300 | 6,195 | |
| RPM: | 240 | 200 | |
| Additional Features: | | | |
| Moyno Pump Model: | Moyno 3L-8 | | |
| Max. Pressure: | 350 psi | | |
| Flow Rate (gpm): | 75 gpm | | |

KR 802-1

**Hydraulisches Bohrgerät
Hydraulic Drill Rig**



KLEMM
Bohrtechnik

KR 802 - 1

Die KR 802-1 ist ein universell einsetzbares Bohrgerät für Bohrungen mit Durchmessern bis zu 254 mm und für Bohrtiefen bis ca. 40 m bei einem Einsatzgewicht von ca. 8,1 Tonnen.

Für die einzelnen Bohrverfahren stehen folgende Optionen zur Verfügung:

- Kraftdrehköpfe bis 16 kNm
- Hydraulikhämmer bis 12 kNm (KD 511, KD 911, KD 1011, KD 1215R)
- Hydraulische Klemm- und Brechvorrichtung für Rohre bis 254 mm
- Seilwinde bis 10 kN Zugkraft
- Spülpumpe bis 170 l/min.
- Druckluftöler für Tieflochhammereinsatz
- Gestängeablage
- Gestängeeinbauhilfen (Gestängekran)

Die Bohrlafette mit Getriebevorschub verfügt über einen Andruck und eine Zugkraft von 40 kN und einer maximalen Gestängeeinbaulänge von 4 m. Serienmäßig ist eine automatische Kettenspannung montiert.

Ein wesentliches Merkmal eines Bohrgeräts ist das schnelle Einrichten von Bohrpunkt zu Bohrpunkt. Die Kinematik des Bohrgeräts KR 802-1 setzt hier Maßstäbe, selbst unter beengten Baustellenverhältnissen. Das serienmäßig montierte, pendelnd am Grundgerät angeflanschte Raupenfahrwerk dient einmal zum Ausgleich von Geländeunebenheiten, zum anderen als zusätzliche Einricht- und Verladehilfe.

With its total weight of approximately 8,1 tonnes, the KR 802-1 is a universal drilling rig for holes up to 254 mm in diameter and drilling depths up to 40 m.

The following options are available for the various drilling processes:

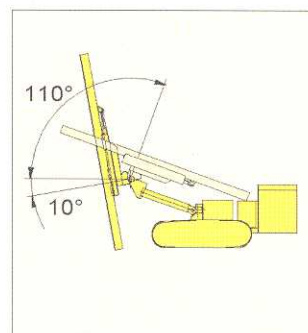
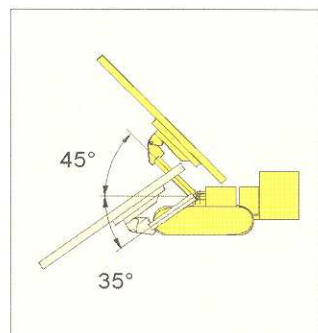
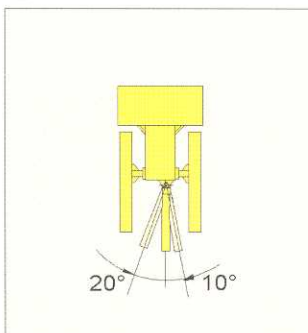
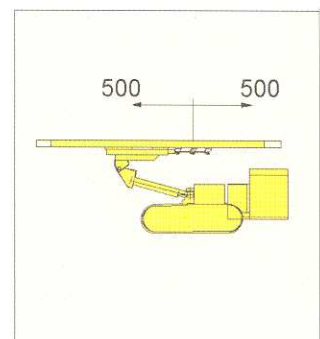
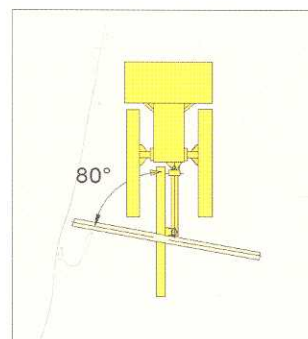
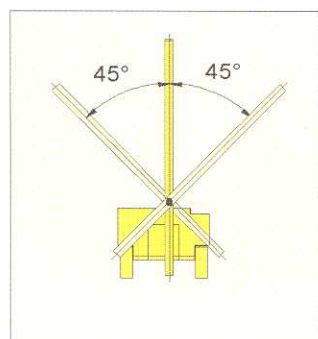
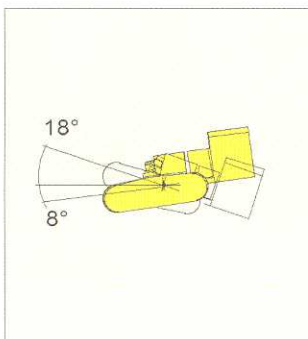
- Rotary heads up to 16 kNm torque
- Hydraulic drifters up to 12 kNm torque (KD 511, KD 911, KD 1011, KD 1215 R)
- Hydraulic breaking and clamping device for drill tubes up to 254 mm diameter
- Hydraulic winch with up to 10 kN line pull
- Flushing pump with up to 170 l/min capacity
- Pneumatic lubrication device for down-the-hole hammer applications
- Tube rack and tube handling system (tube hoist)

The drill mast with feed drive provides a feed and retraction force of 40 kN and has a maximum drill tube feed length of 4,0 m. An automatic chain tensioning device is fitted as standard.

An important characteristic of a drilling rig is its ability to set-up quickly over hole after hole. In this respect, the kinematic system of the KR 802-1 drilling rig sets new standards, even in restricted site conditions. The standard crawler base, which is pivot mounted to the base unit, provides good ground contact when moving over uneven surfaces and also aids setting-up and loading of the rig.

Schwenkbereiche

Mast movements



Standard Bohrverfahren

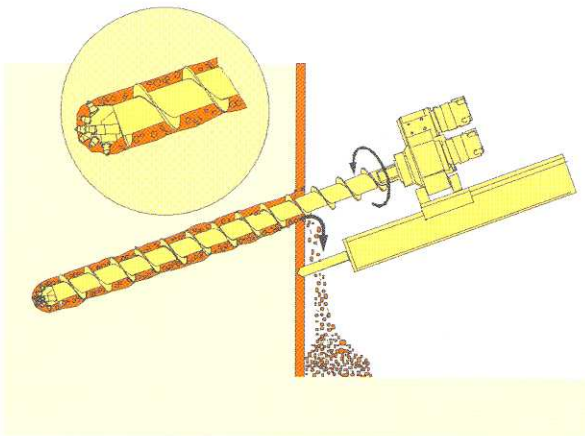
Die installierte Leistung von 75 kW und die Verwendung von 2 Haupt-Hydraulikkreisläufen ermöglichen den Einsatz von Kraftdrehköpfen und von Hydraulikhämmern für folgende Bohrverfahren:

- Drehbohren mit Bohrschnecke
- Drehbohren im Spülverfahren
- Drehschlagbohren mit Aussenhammer und verlorener Krone
- Drehschlagbohren mit Aussenhammer und Überlagerungsgestänge
- Drehschlagbohren mit Im-Loch Hammer

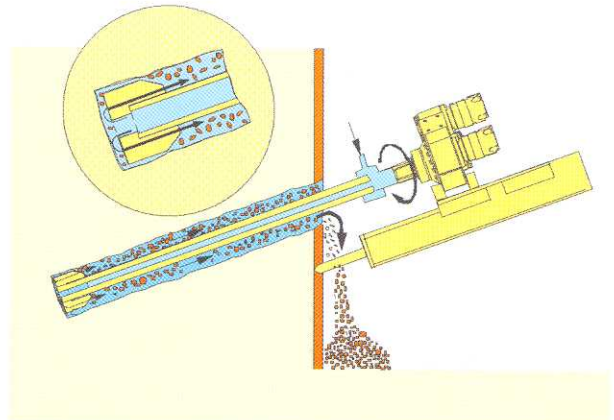
Standard Drilling Processes

Its rated output of 75 kW and its two hydraulic circuits support rotary heads and hydraulic drifters for the following drilling processes:

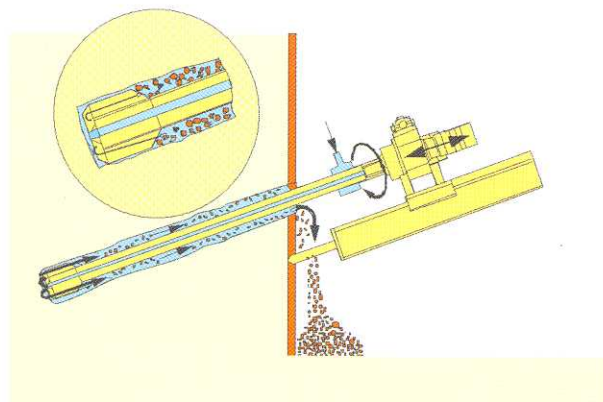
- Rotary drilling with auger
- Rotary flush drilling
- Rotary percussive drilling with top drifter and sacrificial bit
- Overburden drilling with hydraulic drifter
- Rotary percussive drilling with down-the-hole hammer (+ air compressor)



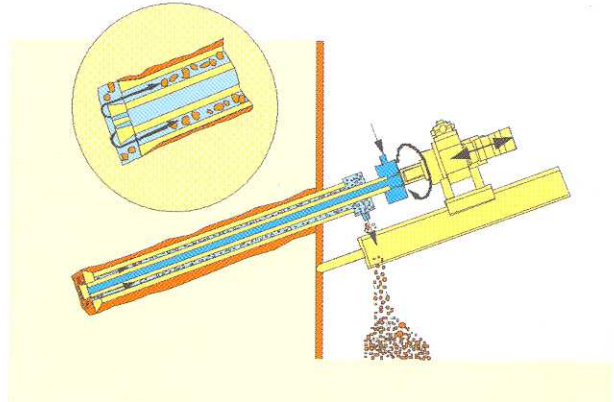
Drehbohren mit Bohrschnecke
Rotary drilling with auger



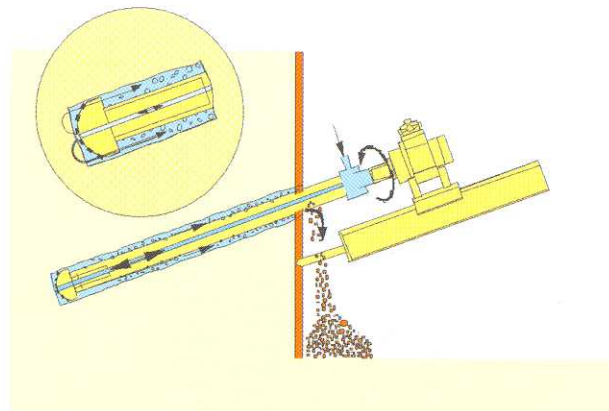
Drehbohren im Spülverfahren
Rotary flush drilling



Drehschlagbohren mit Aussenhammer und verlorener Krone
Rotary percussive drilling with hydraulic drifter and sacrificial bit



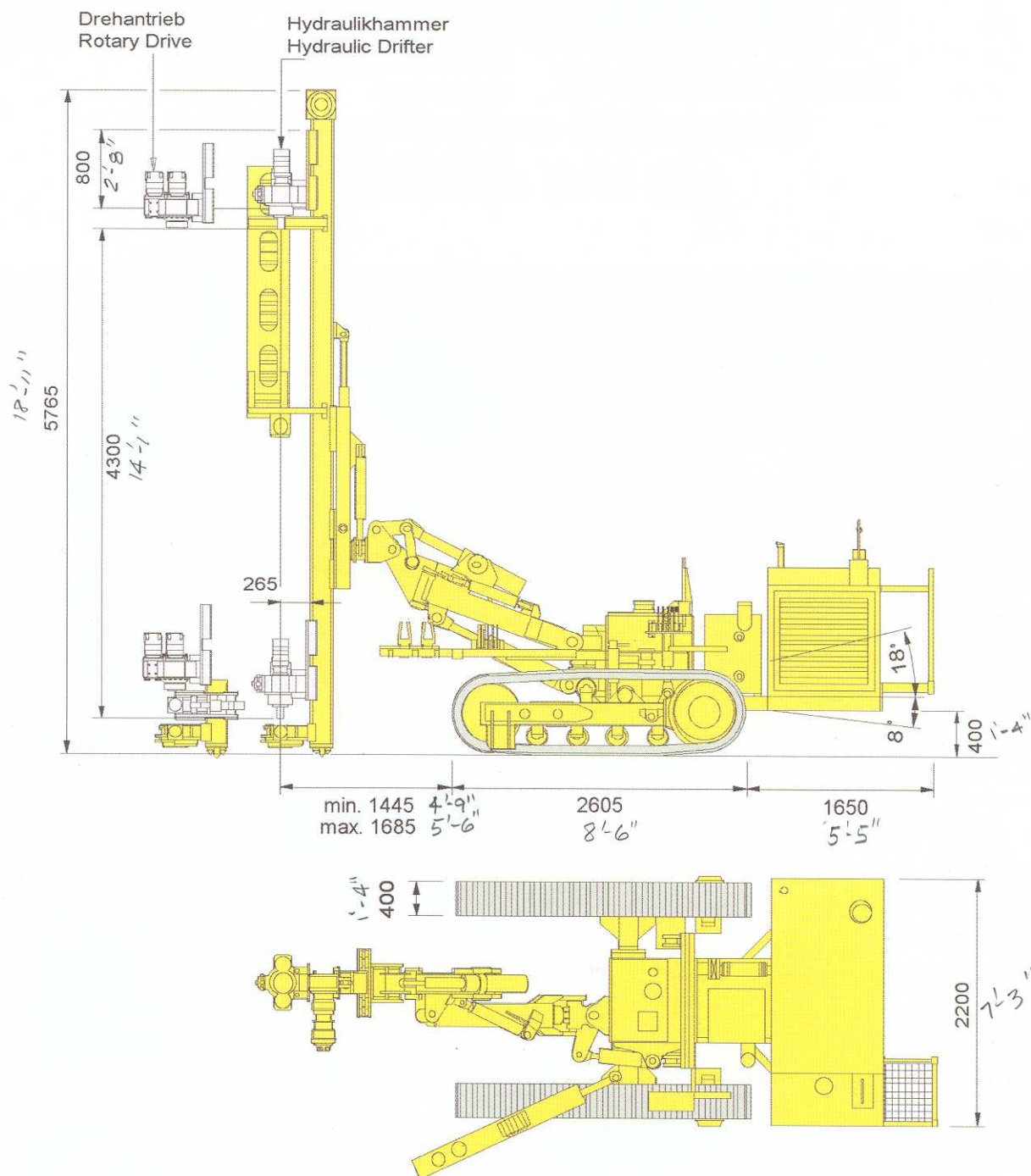
Drehschlagbohren mit Aussenhammer und Überlagerungsgestänge
Overburden drilling with hydraulic drifter



Drehschlagbohren mit Im-Loch Hammer
Rotary percussive drilling with down-the-hole hammer

Abmessungen

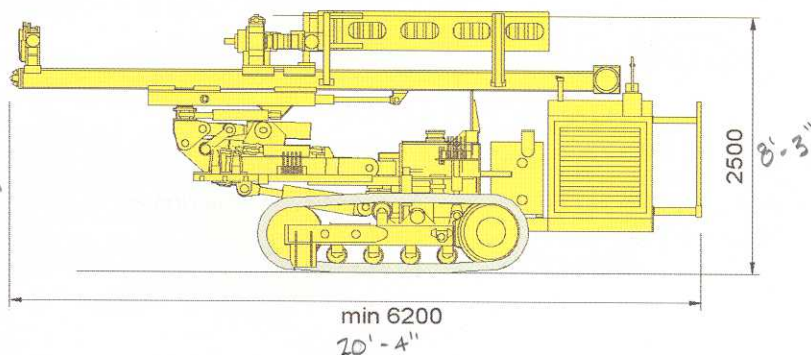
Dimensions



Transportabmessungen

Transport Dimensions

| | | | |
|--------------|-----------------|----------|-----------|
| Gesamtlänge | overall length: | 6.200 mm | 20'-4" |
| Gesamtbreite | overall width: | 2.200 mm | 7'-3" |
| Höhe | overall height: | 2.500 mm | 8'-3" |
| Gewicht | overall weight: | 8.100 kg | 17,857 Lb |



Technische Daten

Technical Specifications

| Motor | Engine | |
|---------------------|-----------------------|--------------------|
| Perkins-Dieselmotor | Perkins diesel engine | 1004.40 T |
| wassergekühlt | water cooled | |
| Leistung / bei | rated output / at | kW / rpm 75 / 2300 |
| Dieseltank | fuel tank capacity | l 160 |

| Hydrauliksystem | Hydraulic system | |
|-----------------|-------------------------|----------|
| Hydraulikpumpen | hydraulic pumps | |
| 1. Kreislauf | 1st circuit | l/min 92 |
| 2. Kreislauf | 2nd circuit | l/min 74 |
| 3. Kreislauf | 3rd circuit | l/min 18 |
| 4. Kreislauf | 4th circuit | l/min 8 |
| Systemdruck | operating pressure | bar 250 |
| Hydrauliktank | hydraulic tank capacity | l 350 |

| Raupenfahrwerk | Crawler base | |
|--------------------------|-------------------------|-----------------------|
| Laufwerk | crawler type | B 1 |
| Zugkraft max. | towing force | kN 75 |
| Fahrgeschwindigkeit max. | crawler speed | km/h 2,2 |
| Spez. Bodendruck | ground pressure | N/cm ² 5,3 |
| Gesamtbreite | overall width | mm 2200 7'-3" |
| 3-Steg Bodenplatten | 2-web track shoes | mm 400 1'-4" |
| Länge der Fahrschiffe | length of crawler units | mm 2605 8'-6" |
| Bodenfreiheit | ground clearance | mm 390 1'-3" |
| Pendelmöglichkeit | jack-up facility | +18°/-8° |

| Bohrlafette | Drill mast | |
|------------------------------|---------------------------|----------------------|
| Typ 161 mit Vorschubgetriebe | Type 161 with crowd motor | |
| Zul. Drehmoment | max. permissible torque | kNm 15 11,063 FT-LBS |
| Gesamtlänge | overall length | mm 5765 18'-11" |
| Vorschublänge | feed length | mm 4300 14'-1" |
| max. Gestängelänge | max. casing length | mm 4000 13'-1" |
| Vorschubkraft | feed force | kN 40 |
| Rückzugskraft | retraction force | kN 40 |
| Vorschubgeschwindigkeit | feed rate | m/min 9 |
| Rückzugsgeschwindigkeit | retraction rate | m/min 9 |
| Vorschub schnell | fast feed rate | m/min 47 |
| Rückzug schnell | fast retraction rate | m/min 47 |

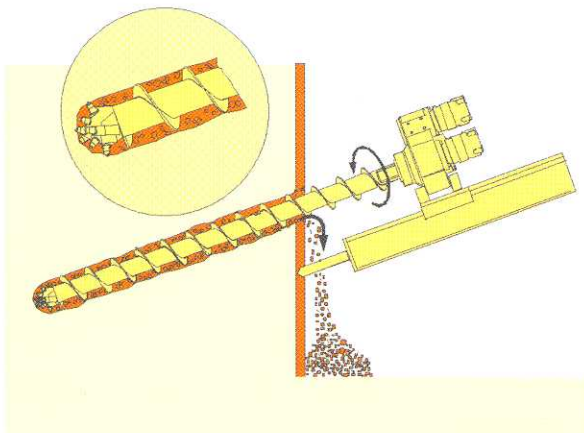
| Hydraulikhammer | Hydraulic drifter | |
|-----------------|-------------------|-----------|
| empfohlen | recommended | KD 1011 |
| | | KD 1215 R |

| Gewicht | Weights | |
|--|--------------------------|-------------------|
| Bohrgerät komplett mit Hydraulikhammer | drilling rig c/w drifter | to 8,1 17,857 LBS |

Standard Bohrverfahren

Die installierte Leistung von 75 kW und die Verwendung von 2 Haupt-Hydraulikkreisläufen ermöglichen den Einsatz von Kraftdrehköpfen und von Hydraulikhämmern für folgende Bohrverfahren:

- Drehbohren mit Bohrschnecke
- Drehbohren im Spülverfahren
- Drehschlagbohren mit Aussenhammer und verlorener Krone
- Drehschlagbohren mit Aussenhammer und Überlagerungsgestänge
- Drehschlagbohren mit Im-Loch Hammer

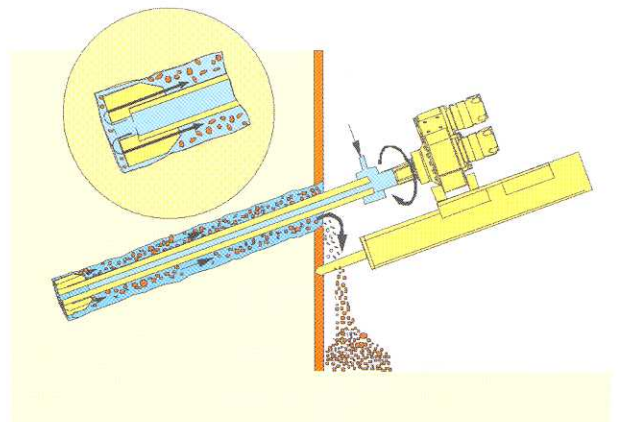


Drehbohren mit Bohrschnecke
Rotary drilling with auger

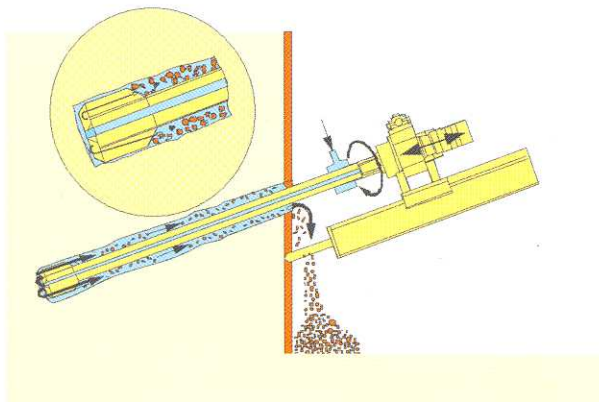
Standard Drilling Processes

Its rated output of 75 kW and its two hydraulic circuits support rotary heads and hydraulic drifters for the following drilling processes:

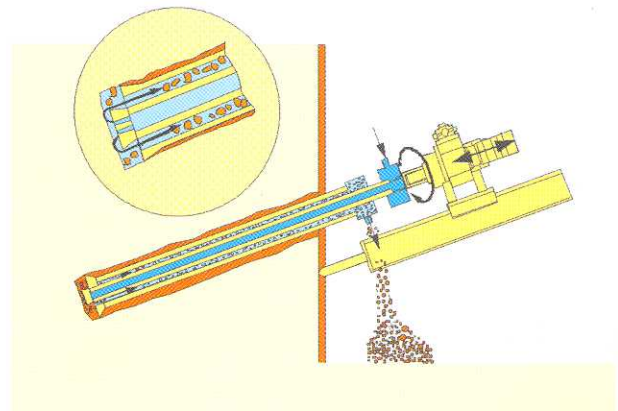
- *Rotary drilling with auger*
- *Rotary flush drilling*
- *Rotary percussive drilling with top drifter and sacrificial bit*
- *Overburden drilling with hydraulic drifter*
- *Rotary percussive drilling with down-the-hole hammer (+ air compressor)*



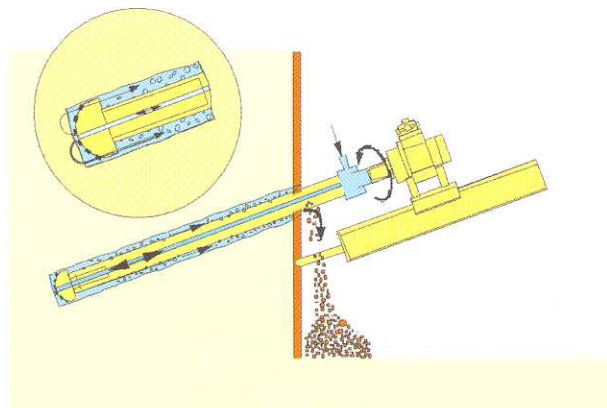
Drehbohren im Spülverfahren
Rotary flush drilling



Drehschlagbohren mit Aussenhammer und verlorener Krone
Rotary percussive drilling with hydraulic drifter and sacrificial bit



Drehschlagbohren mit Aussenhammer und Überlagerungsgestänge
Overburden drilling with hydraulic drifter



Drehschlagbohren mit Im-Loch Hammer
Rotary percussive drilling with down-the-hole hammer

KLEMM

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Ein Unternehmen der **BAUER** Gruppe



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EQUIPMENT SUMMARY SHEET

| | | | |
|--------------------------|--------------------------|---------|-----------|
| Rig Make/Model: | Klemm 803-1 | | RIW- 4141 |
| Serial Number: | | | |
| Weight: | 27,560 lbs | | |
| Transport Dimensions | | | |
| Width: | 7'-7" | | |
| Length: | 24' | | |
| Height: | 8'-11" | | |
| Engine | | | |
| Make | CAT Diesel 3056 DI-T EPA | | |
| Horsepower: | 145 HP | | |
| Fuel Consumption: | | | |
| Undercarriage | | | |
| Type: | Crawler Base | | |
| Width: | 7'-7" | | |
| Track Length: | 10'-10" | | |
| Shoe Width: | 1'-4" | | |
| Drill Mast | | | |
| Overall Length: | 23'-7" | | |
| Casing Length: | 10' | | |
| Extraction Force: | 17,985 lbs | | |
| Crowd Force: | 17,985 lbs | | |
| Winch Capacity: | 2,250 lbs | | |
| Max. Permissible Torque: | 14,751 lb-ft | | |
| Clamp Assembly | | | |
| Make/Model: | Klemm | | |
| Single/Double: | Double | | |
| Min. Opening: | 2" | | |
| Max. Opening: | 14" | | |
| Clamping Force: | | | |
| Rotary Head | | | |
| Make/Model: | KH-13 | KH-16 | |
| Torque (ft.-lb.): | 10,000 | 11,654 | |
| RPM: | 52 | 51 | |
| Hydraulic Drifter | | | |
| Make/Model: | KD-1215 | KD-1624 | KD-1828 |
| Torque (ft.-lb.): | 6,195 | 11,800 | 11,801 |
| RPM: | 200 | 62 | 84 |
| Additional Features: | | | |
| Moyno Pump Model: | Moyno 3L-8 | | |
| Max. Pressure: | 350 psi | | |
| Flow Rate (gpm): | 75 gpm | | |

KR 803-1

Hydraulisches Bohrgerät
Hydraulic Drill Rig



KLEMM
Bohrtechnik

KR 803-1

Mit einem Gesamtgewicht von ca. 12,5 Tonnen und einer installierten Motorleistung von 104 kW ist das Ankerbohrgerät Typ KR 803-1 sowohl für den Aufbau schwerer Hydraulikhämmer (Typ KD 1215 R, KD 1624 und KD 1828 R), als auch einer Doppelkopfbohranlage mit zwei Drehantrieben (Typ KH 13/KH 9) geeignet.

Hieraus ergeben sich eine Vielzahl möglicher Bohrverfahren.

Für die einzelnen Bohrverfahren stehen folgende Antriebseinheiten zur Verfügung:

- Kraftdrehköpfe bis 19 kNm
KH 9 / KH 13 / KH 13 S / KH 16 / KH 9 SF / KH 19 F /
KH 9 SK / KH 12 SK
- DUO-Getriebe KH 13/5 / KH 8/4
- Hydraulikhämmer
KD 1215 R / KD 1624 / KD 1828 R
- Doppelkopfbohranlagen
KH 13 / KH 9
KH 13 S / KH 9

Die Schwenkbereiche sind den unterschiedlichen Bohrverfahren angepaßt:

- Schwenkmöglichkeit des Auslegers nach beiden Seiten ($\pm 15^\circ$)
- Bohren quer zum Fahrwerk nach rechts, durch Umstecken eines Zylinders auch nach links möglich
- axiale Verschiebung der Bohrlafette (1000 mm)
- Pendelfahrwerk ($\pm 15^\circ$)
gleicht im Fahrbetrieb Geländeunebenheiten automatisch aus und kann zusätzlich als Einricht- und Verladehilfe genutzt werden.

The new developed anchor drill rig KR 803-1 with an engine power of 104 kW and a service weight of 12.5 tonnes can be operated with our heavy duty range of hydraulic drifters (type KD 1215 R, KD 1624, KD 1828 R) as well as with a double head unit (rotary heads type KH 13 / KH 9).

This means a variety of applications.

For different drilling requirements this rig can be equipped with the following drill heads:

- Rotary heads
KH 9 / KH 13 / KH 13 S / KH 16 / KH 9 SF / KH 19 F /
KH 9 SK / KH 12 SK
- DUO-gear KH 13/5 / KH 8/4
- Hydraulic drifters
KD 1215 R / KD 1624 / KD 1828 R
- Double head units
KH 13 / KH 9
KH 13 S / KH 9

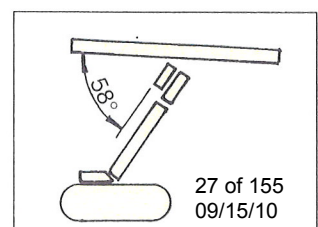
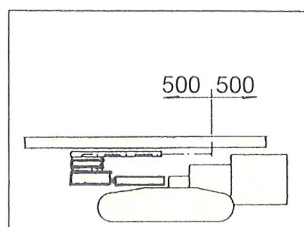
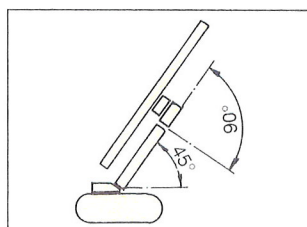
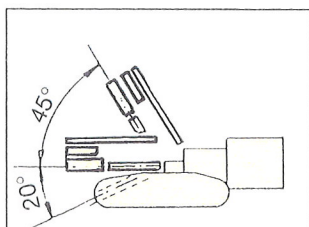
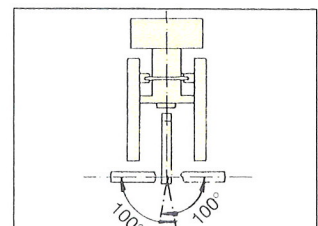
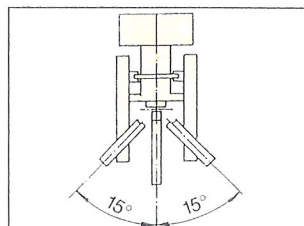
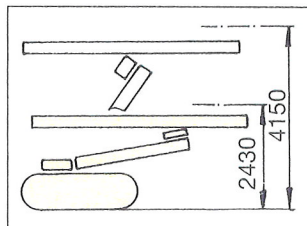
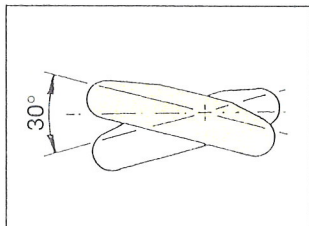
The new developed kinematic allows for example:

- Slewing of the boom to each side ($\pm 15^\circ$)
- Drilling diagonally to the right side of the tracks and to the left side by repositioning one hydr. cylinder into another position
- Axial shift of the mast by 1000 mm max.
- Independently oscillating undercarriages ($\pm 15^\circ$) ensure safe tramming and good ground contact under uneven soil surface conditions

These are some features for various drilling applications with this rig.

Schwenkbereiche / Mast movements

KR 803-1



Standard Bohrverfahren

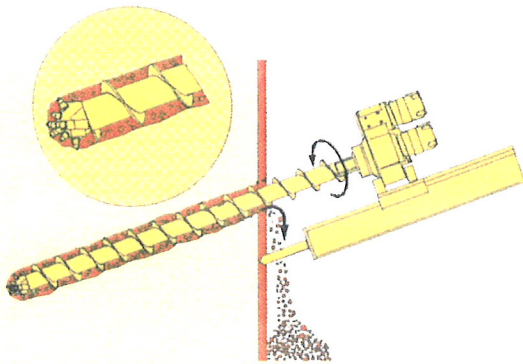
Standard Drilling Processes

Eine Reihe von Optionen stehen für die optimale Anpassung an das jeweilige Bohrverfahren zur Verfügung:

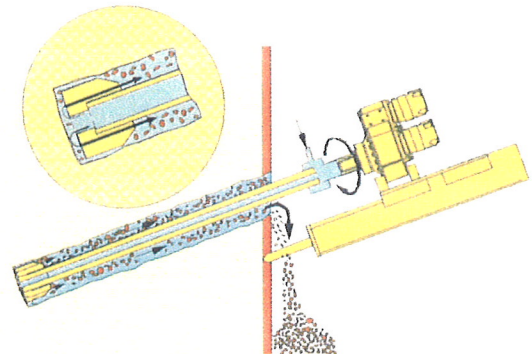
- Hydr. Klemm- und Brechvorrichtung bis Ø 354 mm (14")
- Spülpumpe bis 200 l/min bei 60 bar
- Gestängekran
- Seilwinde bis 10 kN Zugkraft
- Drucklufttöler für Tieflochhammerbetrieb
- seitlich verschiebbarer Schlitten Typ G
- 2-Speed Motoren für Kraftdrehkopf und Hydraulikhammer

A range of accessories is available to provide the optimum rig configuration for a specific drilling task:

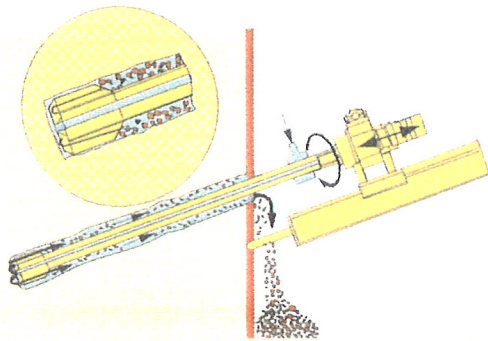
- Hydr. clamping and breaking device up to Ø 354 mm (14")
- Flushing pump with up to 200 l/min capacity at 60 bar
- casing crane
- Hydraulic winch with up to 10 kN pull
- Pneumatik lubricator valve for down-the-hole hammer applications
- Slide with lateral displacement type G
- 2-speed motors for rotary heads and hydraulic drifters



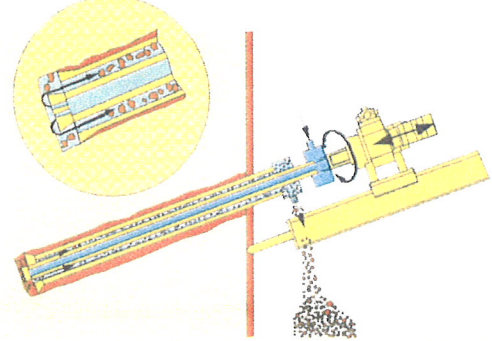
Drehbohren mit Bohrschnecke
Rotary drilling with auger



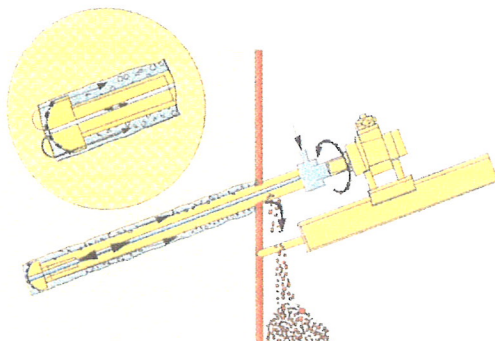
Drehbohren im Spülverfahren
Rotary flush drilling



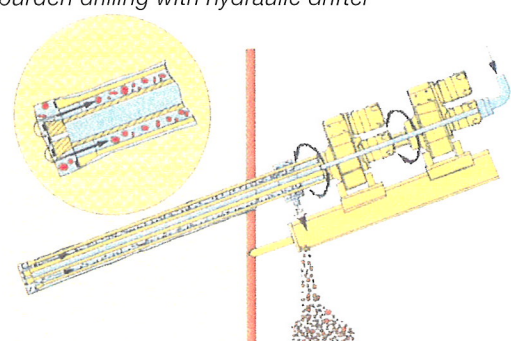
Drehschlagbohren mit Außenhammer und verlorener Krone
Rotary percussive drilling with hydraulic drifter and lost bit



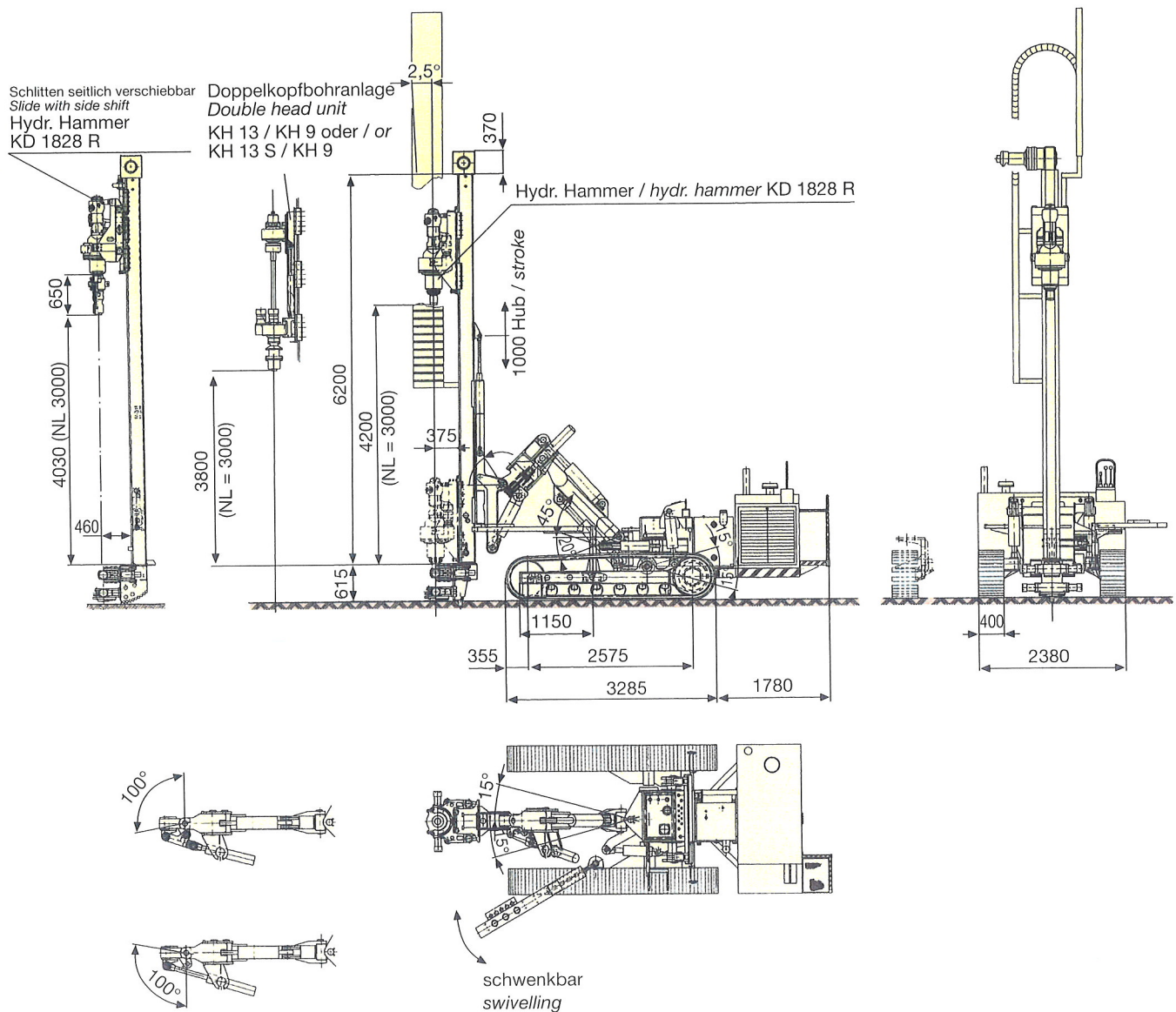
Drehschlagbohren mit Außenhammer und Überlagerungsgestänge
Overburden drilling with hydraulic drifter



Drehschlagbohren mit Im-Lochhammer
Rotary percussive drilling with down-the-hole hammer

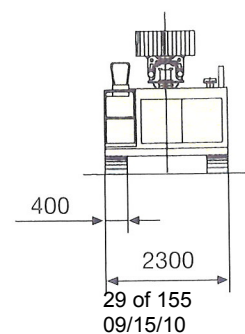
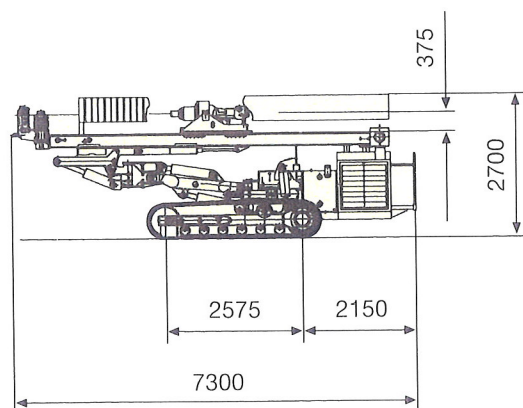
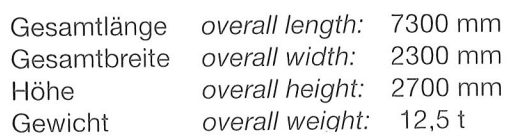


Doppelkopfbohren
Twin rotary drive drilling
drehen - drehen
rotary - rotary
drehen - Im-Lochhammer
rotary - down-the-hole hammer
drehen - drehschlagen
rotary - rotary percussive



Transportabmessungen

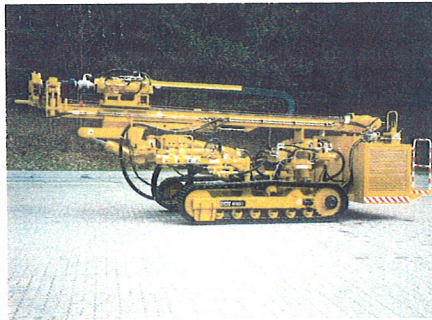
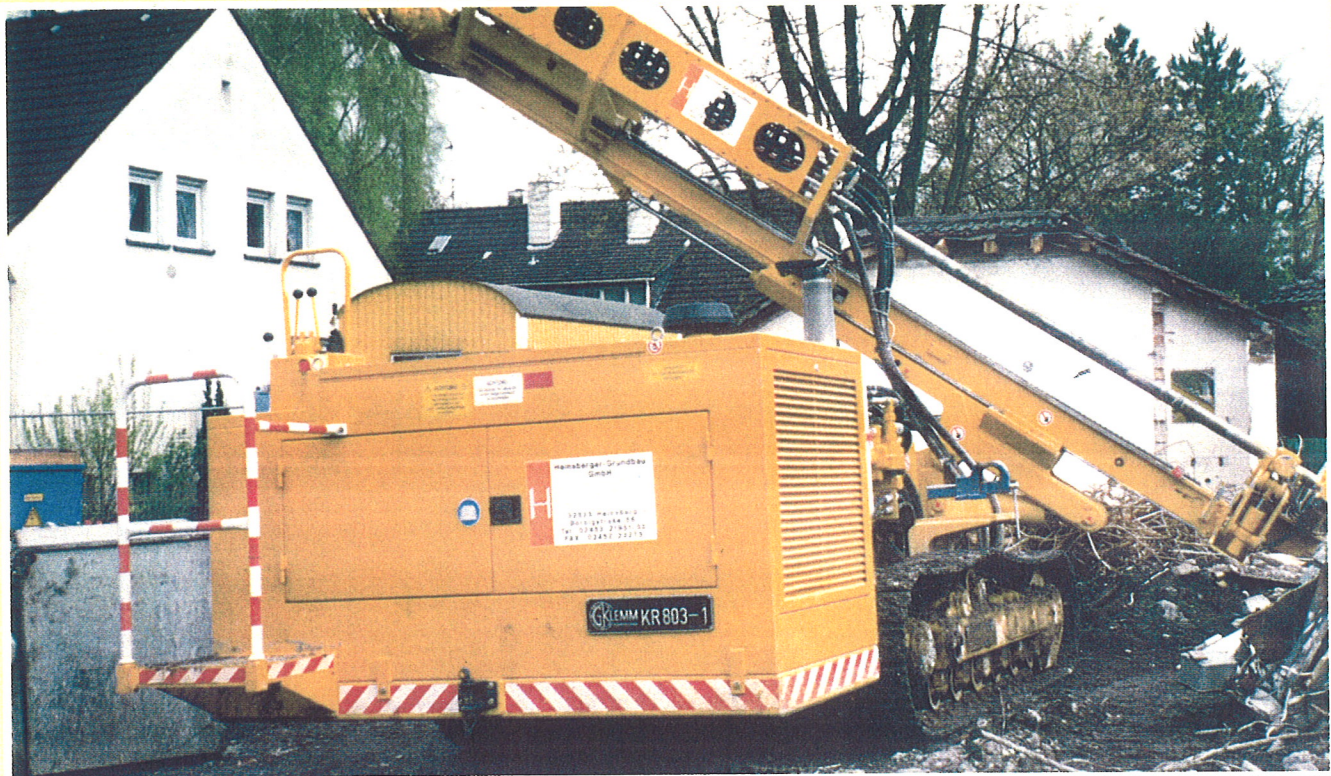
Transport Dimensions



| Motor | Engine | | |
|-------------------------|-----------------------------|-------------------|----------------------|
| CAT - Dieselmotor | CAT - diesel engine | | 3056 DI-T EPA |
| wassergekühlt | water cooled | | |
| max. Leistung | max. power output | kW / hp | 107 / 145 |
| Leistung bei 2300 U/min | power output at 2300 rpm | kW / hp | 104 / 141 |
| Dieseltank | fuel tank capacity | l | 260 |
| Hydrauliksystem | Hydraulic system | | |
| Hydraulikpumpen | hydraulic pumps | | |
| 1. Kreislauf | 1st circuit | l/min | 92 |
| 2. Kreislauf | 2nd circuit | l/min | 92 |
| 3. Kreislauf | 3rd circuit | l/min | 35 |
| 4. Kreislauf | 4th circuit | l/min | 12 |
| 5. Kreislauf (Option) | 5th circuit (optional) | l/min | 76 |
| Systemdruck | operating pressure | bar | 250 |
| Hydrauliktank | hydraulic oil tank capacity | l | 350 |
| Raupenfahrwerk | Crawler base | | |
| Laufwerk | crawler type | | B 1 |
| Zugkraft | towing force | kN | max. 98 |
| Fahrgeschwindigkeit | crawler speed | km/h | max. 2,6 |
| Spez. Bodendruck | ground pressure | N/cm ² | 5,3 |
| Gesamtbreite | overall width | mm | 2300 |
| 3-Steg Bodenplatten | 3-web track shoes | mm | 400 |
| Länge der Fahrschiffe | length of crawler units | mm | 3285 |
| Bodenfreiheit | ground clearance | mm | 350 |
| Pendelmöglichkeit | hydraulic track oscillation | | + 15°/- 15° |
| Bohrlafette | Drill mast | | |
| Typ 202 mit 2-stufigem | Type 202 with 2-speed | | |
| Vorschubgetriebe | feed motor | | |
| Zul. Drehmoment | max. permissible torque | kNm | 20 |
| Gesamtlänge | overall length | mm | 7185 |
| Vorschublänge max. | feed length max. | mm | 4200 |
| max. Gestängelänge | max. casing length | mm | 3000 |
| Vorschubkraft | feed force | kN | 80 / 40 |
| Rückzugskraft | retraction force | kN | 80 / 40 |
| Vorschubgeschwindigkeit | feed rate | m/min | 6,6 / 13,2 |
| Rückszuggeschwindigkeit | retraction rate | m/min | 6,6 / 13,2 |
| Vorschub schnell | fast feed rate | m/min | 16,8 / 33,6 |
| Rückzug schnell | fast retraction rate | m/min | 16,8 / 33,6 |
| Hydraulikhammer | Hydraulic drifter | | |
| empfohlen | recommended | | KD 1215 R |
| | | | KD 1624 |
| | | | KD 1828 R |
| Gewicht | Weights | | |
| Bohrgerät komplett mit | drill rig c/w drifter | to | 12,5 |
| Hydraulikhammer | | | 30 of 155 |
| | | | 09/15/10 |

KLEMM Bohrtechnik

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 E-Mail: klemm-bt@klemm-mail.de



EQUIPMENT SUMMARY SHEET

| | | | | |
|-------------------------|---------------------------------|-------------|--------|------|
| Rig Make/Model: | KLEMM 806-1 | | | 4003 |
| Serial Number: | 66109 | | | |
| Weight: | 38,380 lbs | | | |
| Transport Dimensions | | | | |
| Width: | 8'-3" | | | |
| Length: | 26'-0" | | | |
| Height: | 9'-3" | | | |
| Engine | | | | |
| Make | DUETZ - Diesel Engine BF6 M1013 | | | |
| Horsepower: | 178 HP @ 2300 rpm | | | |
| Fuel Consumption: | | | | |
| Undercarriage | | | | |
| Type: | Crawler B2 | | | |
| Width: | 8'-3" | | | |
| Track Length: | 10'-10" | | | |
| Shoe Width: | 1'-4" | | | |
| Drill Mast | | | | |
| Overall Length: | 27'-3" | | | |
| Stroke Length: | 14'-5" | | | |
| Extraction Force: | 22,480 | | | |
| Crowd Force: | 22,480 | | | |
| Winch Capacity: | 2250 lbs | | | |
| Clamp Assembly | | | | |
| Make/Model: | Klemm | MTA | EGT | |
| Single/Double: | Double | Single | Double | |
| Min. Opening: | 2" | 4" | 4" | |
| Max. Opening: | 10" | 14" | 16" | |
| Clamping Force: | | | | |
| Rotary Head | | | | |
| Make/Model: | KH-13 | KH-16 | | |
| Torque (ft.-lb.) / RPM: | 10,000 / 52 | 11,654 / 51 | | |
| Hydraulic Drifter | | | | |
| Make/Model: | KD-2728 | | | |
| Torque (ft.-lb.): | 17,700 | | | |
| RPM: | 88 | | | |
| Additional Features: | | | | |
| Moyno Pump Model: | Moyno 3L-8 | | | |
| Max. Pressure: | 350 psi | | | |
| Flow Rate (gpm): | 75 gpm | | | |
| Service Crane (Make): | Auto Crane | | | |
| Capacity: | See Attached | | | |
| Radius: | See Attached | | | |

KR 806-3

Hydraulisches Bohrgerät
Hydraulic Drill Rig



KLEMM
Bohrtechnik

KR 806 - 3

Das Ankerbohrgerät KR 806-3 mit einer Leistung von 133 kW und 3 Haupthydraulikkreisläufen ist speziell für die Anwendung des Doppelkopfüberlagerungsbohrverfahrens konzipiert.

Es ist ein auf den neuesten Stand gebrachtes Überlagerungsbohrverfahren für Bohrdurchmesser bis 305 mm und für Bohrtiefen bis 150 m mit folgenden wesentlichen Merkmalen:

- Hohe Richtungsgenauigkeit
- Kontrollierbarer Bodentenzug
- Erschütterungsarm
- Gegenläufiger Drehsinn der Außen- und Innenverrohrung

In Abhängigkeit von Bohrdurchmesser, Bohrtiefe und Bodenverhältnissen stehen 2 Doppelkopfbohrsysteme zur Verfügung:

- **Kraftdrehkopf / Hydraulikhammer**
KH 13 / KD 1011
- **Kraftdrehkopf / Kraftdrehkopf**
KH 13 / KH 9
KH 13 / KH 9SF
KH 19F / KH 13

Durch den Aufbau anderer Bohrantriebe (Hydraulikhammer KD, Kraftdrehköpfe KR) sind eine Vielzahl anderer Bohrverfahren (einschließlich Hochdruckinjektion) möglich.

Das Pendelfahrwerk gleicht im Fahrbetrieb automatisch Geländeunebenheiten aus und kann zusätzlich als Einricht- und Verladehilfe eingesetzt werden.

Die Kinematik des Gerätes ermöglicht:

- Bohren quer zum Fahrwerk nach links und rechts unter bis zu 30° Ankerneigung ohne Umstecken eines Zylinders
- Bohren parallel zum Fahrwerk (beide Seiten)
- Vertikalbohrungen mit Schwenkmöglichkeit aus der Vertikalen nach beiden Seiten
- Horizontalbohrungen in Fahrtrichtung und quer zum Fahrwerk nach beiden Seiten

Mehr als 300 im Einsatz befindliche Bohrgeräte der Reihe KR 806 beweisen die vielfältigen Einsatzmöglichkeiten dieses Gerätetyps.

Providing a rated output of 133 kW and three main hydraulic circuits, the KR 806-3 drill has been specifically designed for overburden drilling with a double-head rotary drilling module.

The system offers state-of-the-art overburden drilling technology for borehole diameters up to 305 mm and drilling depths up to 150 m. Notable characteristics are:

- *High degree of directional accuracy*
- *Controlled soil extraction*
- *Low vibrations*
- *Outer casing and inner drill tubes rotate in opposite direction*

Two types of double-head drilling modules are available for different borehole diameters, drilling depth and soil conditions:

- **Rotary head / Drifter module**
KH 13 / KD 1011
- **Rotary head / Rotary head modules**
KH 13 / KH 9
KH 13 / KH 9SF
KH 19F / KH 13

By mounting various drives (KD-series drifters, KH-series rotary heads) the KR 806-3 drill is suitable for numerous other drilling applications (including high pressure grout injection)

Hydraulic track oscillation ensures that the centrally suspended crawler tracks have good ground contact when moving over an uneven surface and, in addition, aids setting-up and loading of the rig.

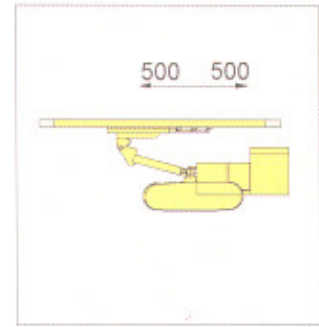
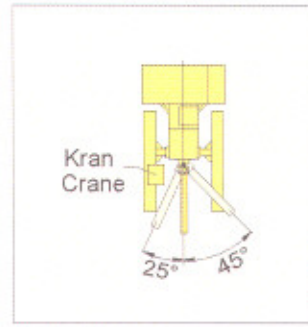
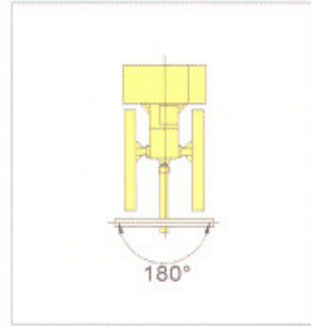
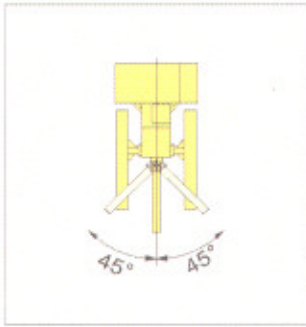
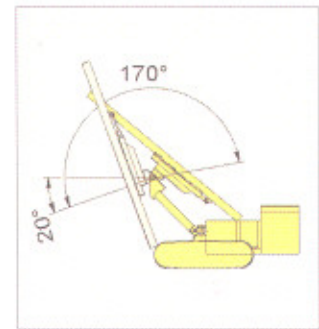
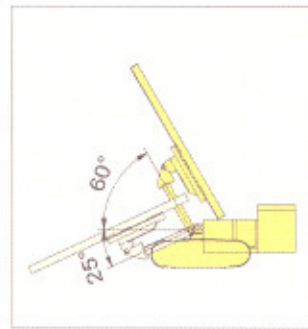
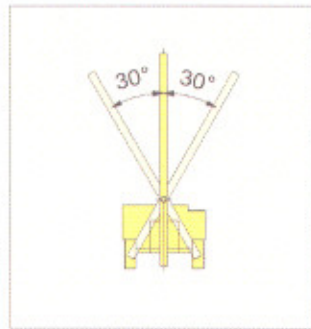
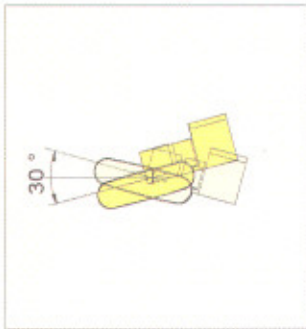
The drill's kinematic system allows:

- *Drilling up to 30° inclined anchor holes across the tracks to either side without the need to reset hydraulic cylinders*
- *Drilling parallel to the tracks (on either side)*
- *Drilling vertical holes with the capacity to swing the mast to either side*
- *Drilling horizontal boreholes parallel to the tracks and across the tracks to either side*

Over 300 KR 806 drills currently in operation are proof of the almost unlimited operational capabilities of this type of rig.

Schwenkbereiche

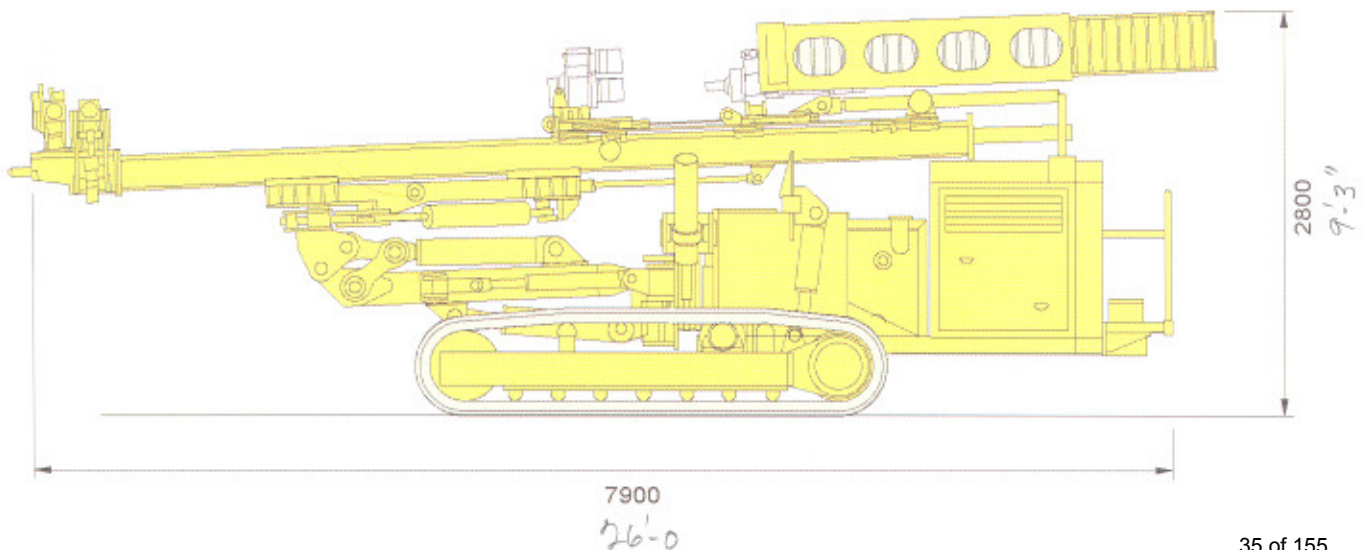
Mast movements



Transportabmessungen

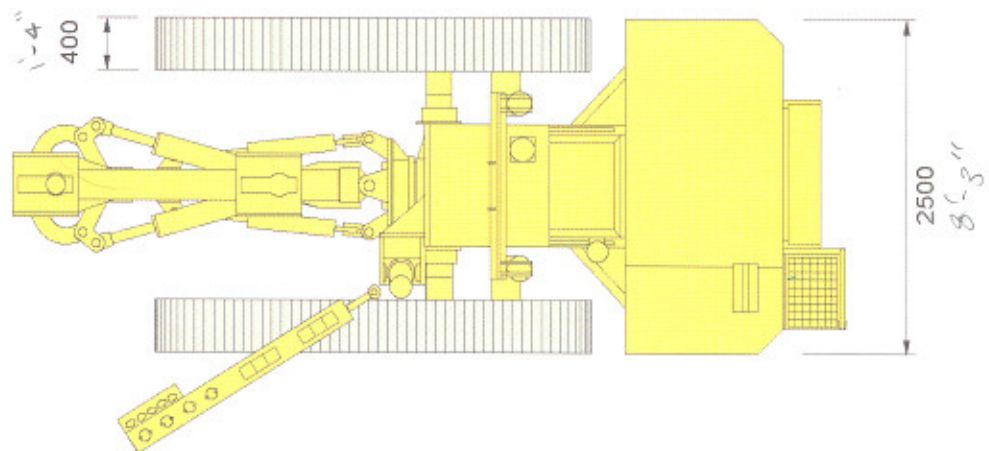
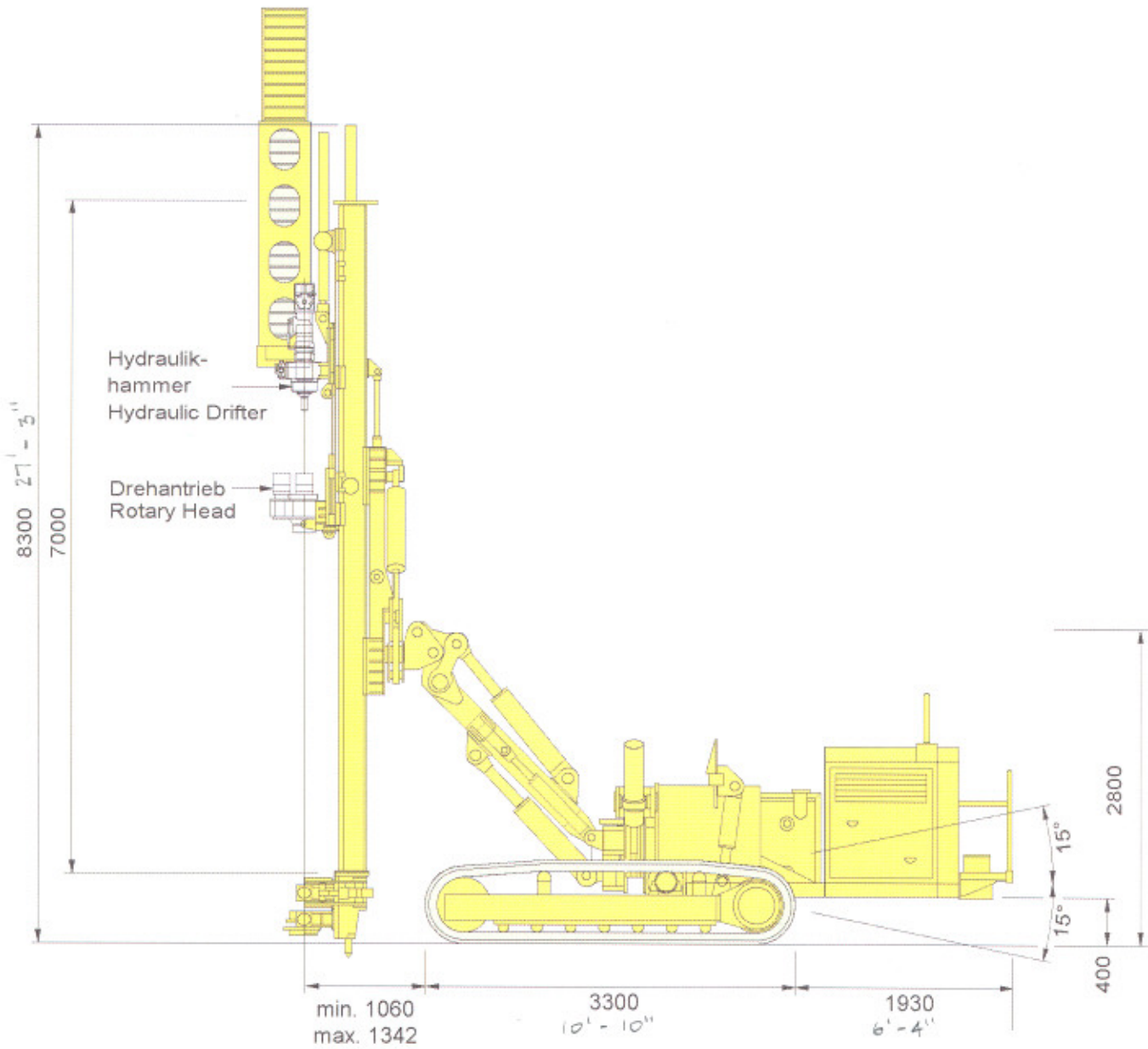
Transport Dimensions

| | | | |
|--------------|-----------------|-----------|-----------|
| Gesamtlänge | overall length: | 7.900 mm | 26'-0" |
| Gesamtbreite | overall width: | 2.500 mm | 8'-3" |
| Höhe | overall height: | 2.800 mm | 9'-3" |
| Gewicht | overall weight: | 14.500 kg | 31,967 LB |



Abmessungen

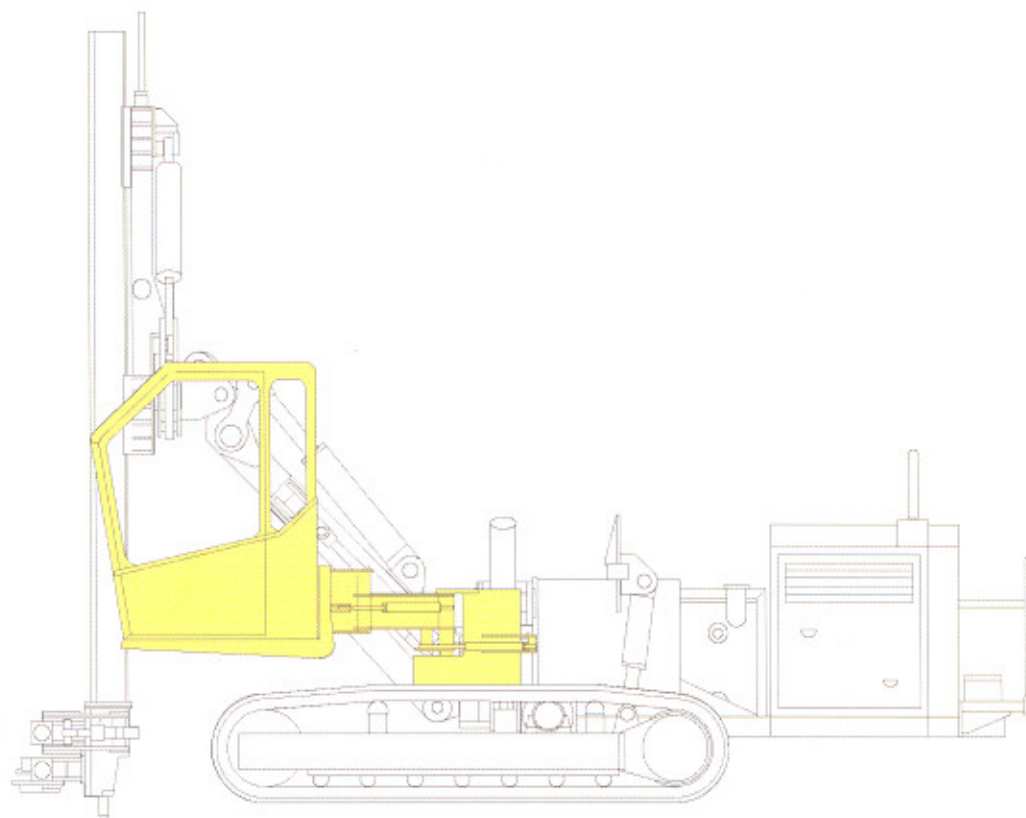
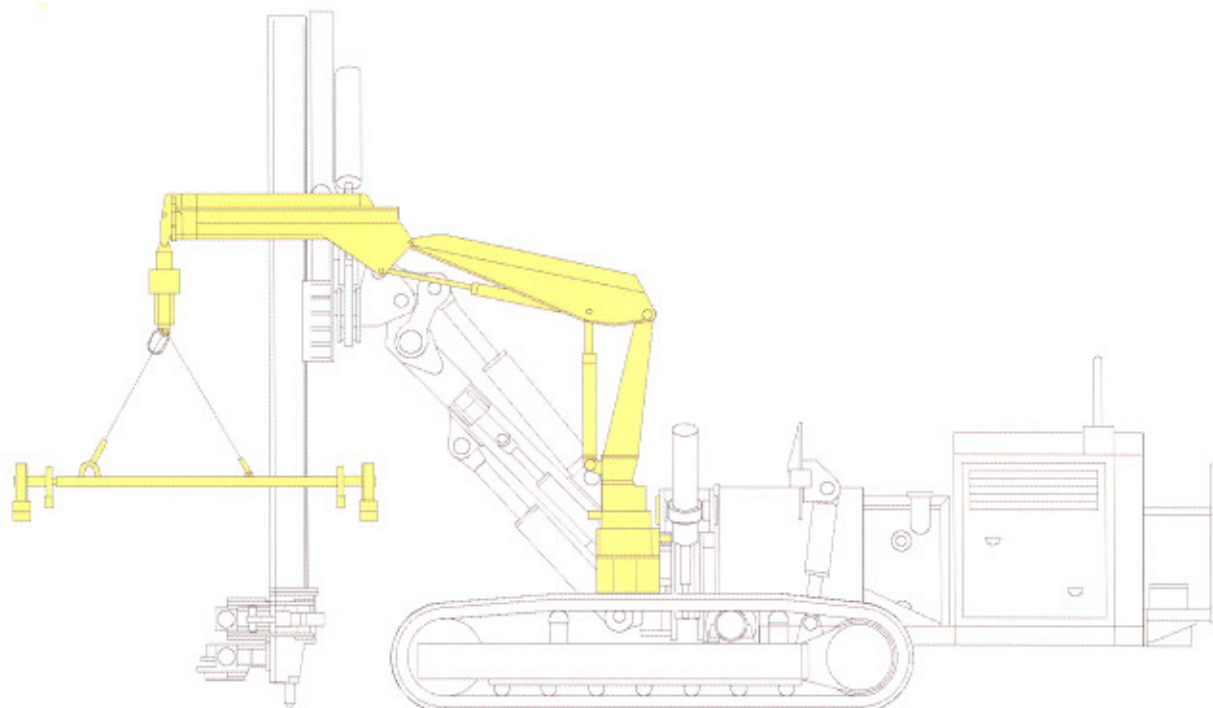
Dimensions



Technische Daten

Technical Specifications

| Motor | | Engine | |
|--|--|-----------------------------|----------------------|
| Deutz - Dieselmotor | | Deutz - diesel engine | BF6 M1013 |
| wassergekühlt | | water cooled | |
| Leistung / bei | | rated output / at | kW / rpm 133 / 2300 |
| Dieseltank | | fuel tank capacity | l 270 |
| Hydrauliksystem | | Hydraulic system | |
| Hydraulikpumpen | | hydraulic pumps | |
| 1. Kreislauf | | 1st circuit | l/min 130 |
| 2. Kreislauf | | 2nd circuit | l/min 130 |
| 3. Kreislauf | | 3rd circuit | l/min 200 |
| 4. Kreislauf | | 4th circuit | l/min 32 + 24 |
| Systemdruck | | operating pressure | bar 250 |
| Hydrauliktank | | hydraulic oil tank capacity | l 630 |
| Raupenfahrwerk | | Crawler base | |
| Laufwerk | | crawler type | B 2 |
| Zugkraft max. | | towing force | kN 156 |
| Fahrgeschwindigkeit max. | | crawler speed | km/h 2,5 |
| Spez. Bodendruck | | ground pressure | N/cm ² 6 |
| Gesamtbreite | | overall width | mm 2500 8'-3" |
| 3-Steg Bodenplatten | | 3-web track shoes | mm 400 1'-4" |
| Länge der Fahrschiffe | | length of crawler units | mm 3300 10'-10" |
| Bodenfreiheit | | ground clearance | mm 400 1'-4" |
| Pendelmöglichkeit | | hydraulic track oscillation | +15°/- 15° |
| Bohrlafette | | Drill mast | |
| Typ 201 mit Vorschubgetriebe | | Type 201 with feed motor | |
| Zul. Drehmoment | | max. permissible torque | kNm 20 14,751 Ft-LBS |
| Gesamtlänge | | overall length | mm 8300 27'-3" |
| Vorschublänge | | feed length | mm 4400 14'-5" |
| max. Gestängelänge | | max. casing length | mm 3000 9'-10" |
| Vorschubkraft | | feed force | kN 100 |
| Rückzugskraft | | retraction force | kN 100 |
| Vorschubgeschwindigkeit | | feed rate | m/min 4,33 |
| Rückzugsgeschwindigkeit | | retraction rate | m/min 4,33 |
| Vorschub schnell | | fast feed rate | m/min 27,5 |
| Rückzug schnell | | fast retraction rate | m/min 27,5 |
| Hydraulikhammer | | Hydraulic drifter | |
| empfohlen | | recommended | KD 1624 |
| Doppelkopfbohranlagen | | Double-head rotary modules | |
| | | KH 13 / KD 1011 | KH 13 / KH 9 |
| | | KH 13 / KH 9SF | KH 19F / KH 9 |
| Gewicht | | Weights | |
| Bohrgerät komplett mit Hydraulikhammer | | drilling rig c/w drifter | to 14,5 31,967 LBS |



oben: Bohrgerät KR 806-3 mit Einhebevorrichtung
top: Drill rig KR 806-3 with crane jibs for lifting tubes into position

unten: Bohrgerät KR 806-3 mit Fahrerkabine
bottom: Drill rig KR 806-3 with operator's cab

Standard Bohrverfahren

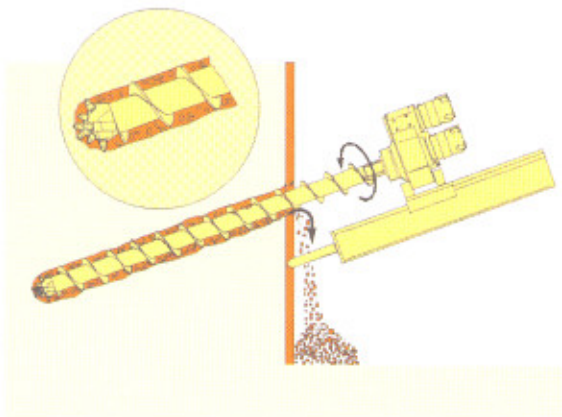
Eine Reihe von Optionen stehen für die optimale Anpassung an das jeweilige Bohrverfahren zur Verfügung:

- Hydraulische Klemm- und Brechvorrichtung für Rohre bis 254 mm
- Spülpumpe bis 200 l/min bei 60 bar
- Gestängekran
- Gestängemagazin bis 30 m
- Seilwinde bis 10 kN Zugkraft
- Druckluftöler für Tieflochhammerbetrieb
- HDI-Ausrüstung mit Gittermastverlängerung (3 x 3 m)
- Entstaubungsanlage

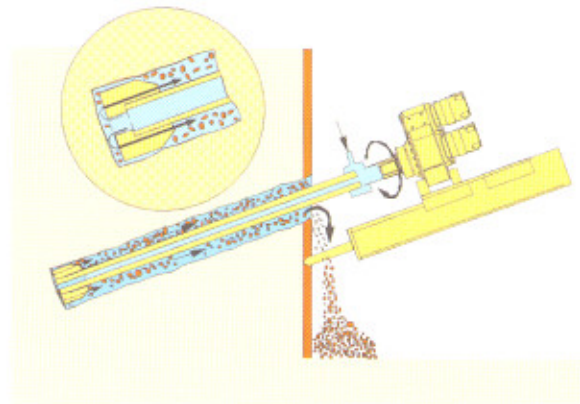
Standard Drilling Processes

A range of accessories are available to provide the optimum rig configuration for a particular drilling task:

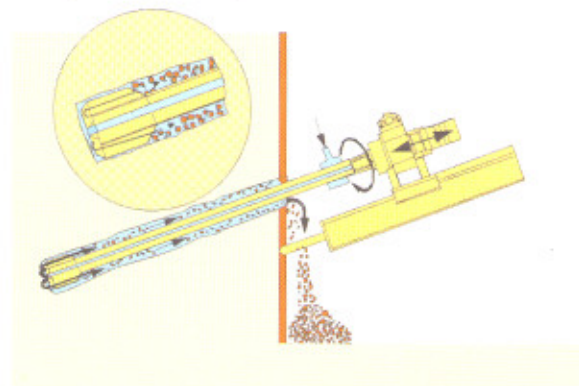
- Hydraulic clamping and breaking device for drill tubes up to 254 mm diameter
- Flushing pump with up to 200 l/min capacity at 60 bar
- Tube hoist
- Tube rack of 30 m capacity
- Hydraulic winch with up to 10 kN line pull
- Pneumatic lubricator valve for down-the-hole hammer applications
- HPI equipment with lattice mast extension (3 x 3 m)
- Dust collector



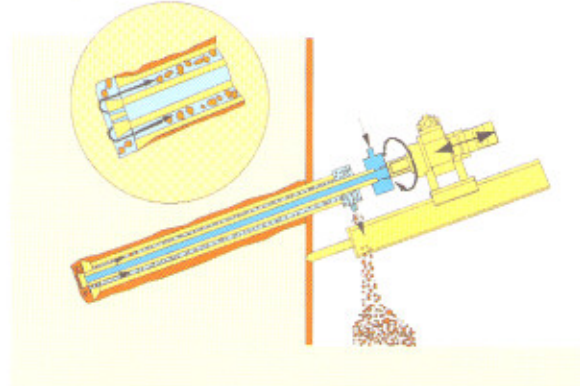
Drehbohren mit Bohrschnecke
Rotary drilling with auger



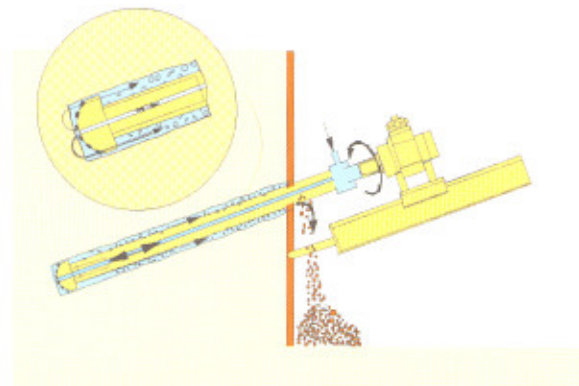
Drehbohren im Spülverfahren
Rotary flush drilling



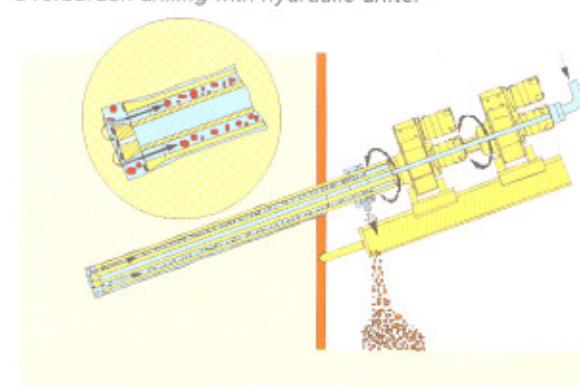
Drehschlagbohren mit Aussenhammer und verlorener Krone
Rotary percussive drilling with hydraulic drifter and sacrificial bit



Drehschlagbohren mit Aussenhammer und Überlagerungsgestänge
Overburden drilling with hydraulic drifter



Drehschlagbohren mit Im-Loch Hammer
Rotary percussive drilling with down-the-hole hammer



Doppelkopfbohren Twin rotary drive drilling
drehen - drehen / rotary - rotary
drehen - Im-Lochhammer / rotary - down-the-hole hammer
drehen- drehschlagen / rotary - rotary percussive

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Technical specifications are subject to change without prior notice and incurring responsibility for machines previously sold. The shown machines may have optional equipment. Technical data do not consider power losses. Error and misprints reserved.

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Attachment A3 – Tendon Manufacturer Data Sheets

DYWIDAG Geotechnical Product Range



DYWIDAG Strand Anchor

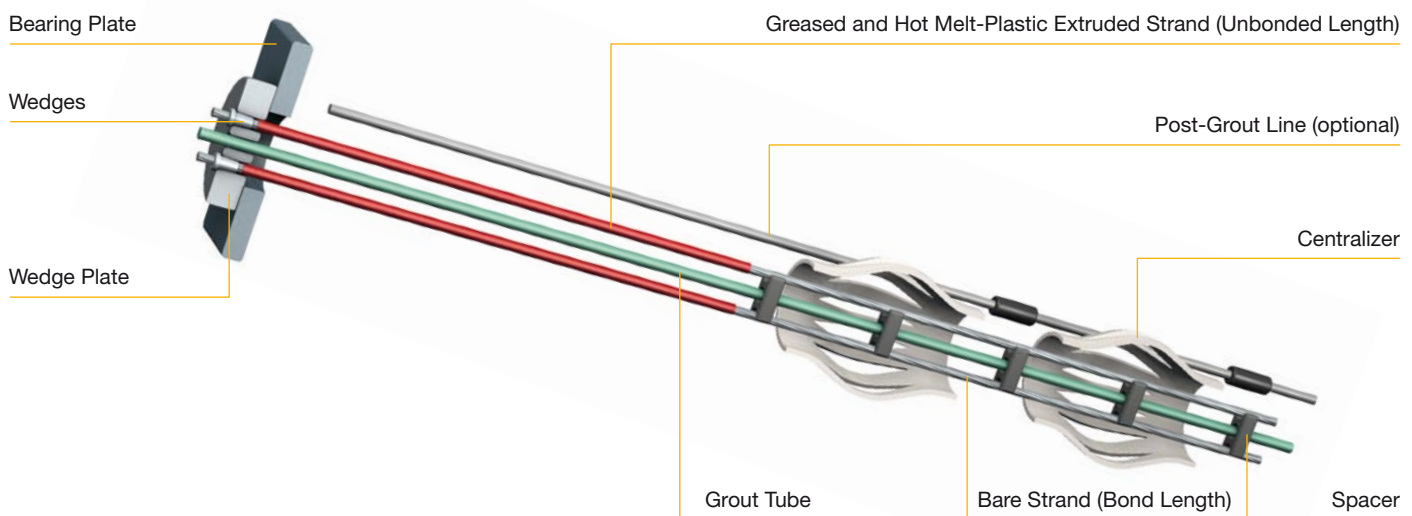
Advantages and Characteristics

- strand anchors allow for a large range of anchor capacities, as there is no theoretical limit on how many strands can be used in an anchor
- long anchor lengths are possible without the requirement of a splice
- most strand anchors are coiled for transport and require little storage space on site
- utilization of high strength 270KSI strand results in low anchor weight
- the hot melt extrusion process provides a high quality, uninterrupted plastic bond breaker and additional corrosion protection
- specialized installation and stressing equipment is available from DSI

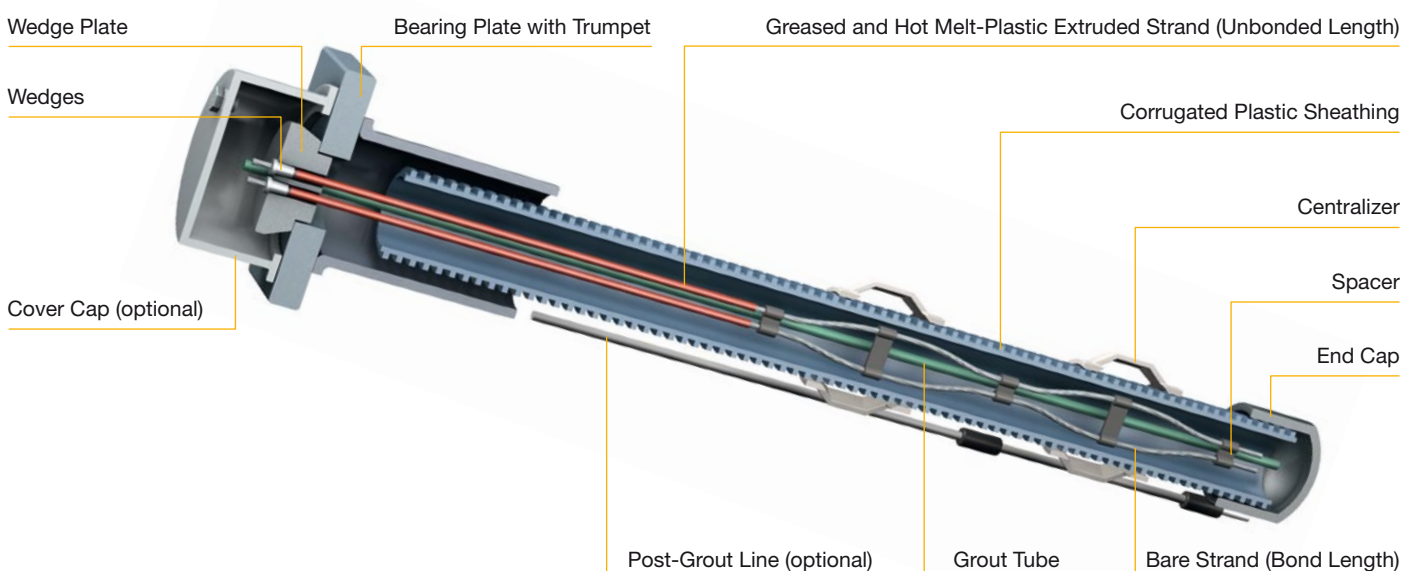


9 Strand Anchorage

DYWIDAG Temporary Strand Anchors



DYWIDAG Permanent Strand Anchors with DCP (Double Corrosion Protection)



Strand Anchor Properties

DYWIDAG Strand Anchors utilize 0.6 dia. 7-wire, Low Relaxation 270 KSI Strand conforming to ASTM A416 (bare strand) or ASTM A882 (epoxy coated strand).

| Number of Strands | Nominal Cross Section Area (Aps) | Ultimate Strength (Fpu x Aps) | Prestressing Force | | | Nominal Weight (bare steel only) |
|-------------------|---|-------------------------------|--------------------|------------------|-----------------|----------------------------------|
| | | | 0.80 Fpu x Aps | 0.70 Fpu x Aps | 0.60 Fpu x Aps | |
| [ea] | [in ²] / [mm ²] | [kips] / [kN] | [kips] / [kN] | [kips] / [kN] | [kips] / [kN] | [lbs/ft] / [kg/m] |
| 1 | 0.217 / 140 | 58.6 / 261 | 46.9 / 208 | 41.0 / 182 | 35.2 / 156 | 0.74 / 1.09 |
| 2 | 0.434 / 280 | 117.2 / 521 | 93.7 / 417 | 82.0 / 365 | 70.3 / 313 | 1.48 / 1.64 |
| 3 | 0.651 / 420 | 175.8 / 782 | 140.6 / 625 | 123.0 / 547 | 105.5 / 469 | 2.22 / 3.27 |
| 4 | 0.868 / 560 | 234.4 / 1,043 | 187.5 / 834 | 164.1 / 730 | 140.6 / 626 | 2.96 / 4.46 |
| 5 | 1.085 / 700 | 293.0 / 1,303 | 234.4 / 1,043 | 205.1 / 912 | 175.8 / 782 | 3.70 / 5.51 |
| 6 | 1.302 / 840 | 351.6 / 1,564 | 281.3 / 1,251 | 246.1 / 1,095 | 221.0 / 938 | 4.44 / 6.55 |
| 7 | 1.519 / 980 | 410.2 / 1,825 | 328.2 / 1,460 | 287.2 / 1,277 | 246.2 / 1,095 | 5.18 / 7.74 |
| 8 | 1.736 / 1,120 | 468.8 / 2,085 | 375.0 / 1,668 | 328.1 / 1,460 | 281.3 / 1,251 | 5.92 / 8.78 |
| 9 | 1.953 / 1,260 | 527.4 / 2,346 | 421.9 / 1,877 | 369.2 / 1,642 | 316.4 / 1,408 | 6.66 / 9.97 |
| 12 | 2.604 / 1,680 | 703.2 / 3,128 | 562.6 / 2,503 | 492.3 / 2,190 | 422.0 / 1,877 | 8.88 / 13.24 |
| 15 | 3.255 / 2,100 | 879.0 / 3,910 | 703.2 / 3,128 | 615.3 / 2,737 | 527.4 / 2,346 | 11.10 / 16.52 |
| 19 | 4.123 / 2,660 | 1,113.4 / 4,953 | 890.7 / 3,962 | 779.4 / 3,467 | 668.0 / 2,972 | 14.06 / 20.98 |
| 27 | 5.859 / 3,780 | 1,582.2 / 7,038 | 1,265.8 / 5,631 | 1,107.6 / 4,927 | 949.4 / 4,223 | 19.98 / 29.76 |
| 37 | 8.029 / 5,180 | 2,168.2 / 9,645 | 1,734.6 / 7,716 | 1,517.8 / 6,751 | 1,301.0 / 5,787 | 27.38 / 40.78 |
| 48 | 10.416 / 6,720 | 2,812.8 / 12,512 | 2,250.2 / 10,009 | 1,968.9 / 8,758 | 1,687.7 / 7,507 | 35.52 / 52.83 |
| 54 | 11.718 / 7,560 | 3,164.4 / 14,076 | 2,531.5 / 11,261 | 2,215.1 / 9,853 | 1,898.6 / 8,446 | 39.96 / 59.38 |
| 61 | 13.237 / 8,540 | 3,574.6 / 15,901 | 2,859.7 / 12,721 | 2,502.2 / 11,131 | 2,144.8 / 9,540 | 45.14 / 67.12 |

Aps = Area Prestressing Steel

Fpu = Minimum Ultimate Strength

Please consult your local sales office for systems exceeding 61 strands.

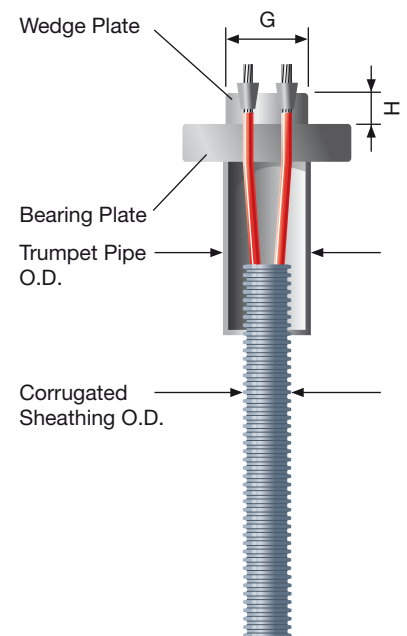
Anchor Properties – DCP Components & Wedge Plates

| Max. No. of 0.6 Strands* | Corrugated Sheathing O.D. | Pipe O.D. | Wedge Plate | |
|--------------------------|---------------------------|-------------|---------------------|-----------------|
| | | | Ø G [in] / Ø G [mm] | H [in] / H [mm] |
| [ea] | [in] / [mm] | [in] / [mm] | | |
| 3 | 2.4 / 61 | 4.5 / 115 | 4.7 / 120 | 2.0 / 51 |
| 4 | 3.6 / 92 | 4.5 / 115 | 4.7 / 120 | 2.0 / 51 |
| 7 | 3.6 / 92 | 4.5 / 115 | 5.6 / 143 | 2.4 / 61 |
| 9 | 3.6 / 92 | 5.6 / 142 | 5.5 / 141 | 2.2 / 55 |
| 12 | 4.7 / 120 | 6.6 / 169 | 6.3 / 161 | 2.6 / 66 |
| 15 | 4.7 / 120 | 6.6 / 169 | 7.1 / 181 | 2.8 / 70 |
| 17 | 4.7 / 120 | 8.6 / 220 | 7.9 / 200 | 3.4 / 87 |
| 24 | 5.8 / 148 | 8.6 / 220 | 9.4 / 241 | 4.1 / 105 |
| 27 | 6.9 / 176 | 8.6 / 220 | 9.4 / 241 | 4.1 / 105 |

* based on the use of a single max. 1/2 I.D. grout tube

Please consult your local sales office for systems exceeding 27 strands.

Bearing plate sizes are dependent on project specific conditions. DSI staff can assist with sizing of bearing plates.



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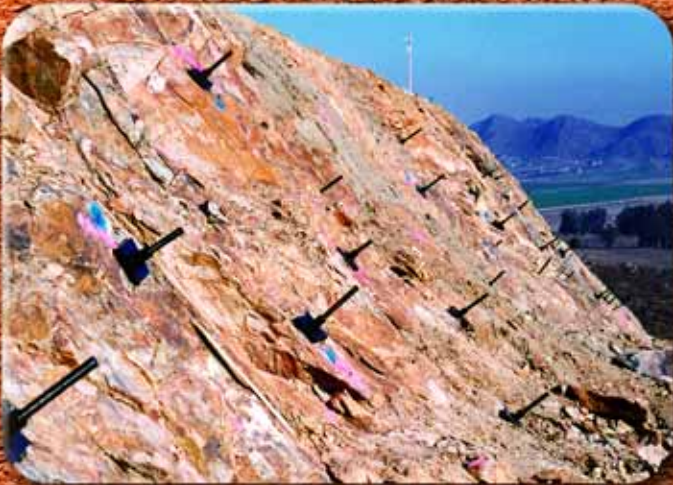
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Strand Anchor System

Williams Strand Anchors utilize a high density extruded polyethylene sheath over corrosion inhibiting compound in the unbonded zone. Williams has the most technologically advanced extrusion equipment for the manufacture of permanent and temporary anchors. The state of the art equipment allows for precise extruded lengths in the unbonded zone and high quality manufacturing.

Williams Strand Anchors are typically produced from 0.6" diameter, 7 wire strand (fpu = 270 ksi, 1862 N/mm²) meeting ASTM A-416 and are manufactured in accordance with the Post-Tensioning Institute's *Recommendations for Prestressed Rock and Soil Anchors*.

Advantages of Williams Grout Bonded Strand Anchors

- High capacity - Anchors utilize a 0.6" dia. 270 KSI (ultimate stress) strand. The number of strands per anchor dictate the load carrying capacity of the anchor.
- Lightweight - For a Class I protected anchor, the corrugated duct is grouted in the field, greatly reducing the weight of the anchor. There is more load carrying capacity per pound of 7-wire 270 KSI strand than solid bar.
- Anchors arrive to the jobsite fully fabricated and packaged in coils to allow for installation in areas where there are clearance issues or bench width constraints.
- Unlike bar systems, strand can be produced in any length.
- All Williams strand anchors utilize a small diameter greased filled extruded high density polyethylene sheathing, allowing for a greater number of individual strands to be contained in a given drill hole size. Manual greasing and sheathing of individual strands require a larger free stressing sheath.
- Stringent quality control of manufacturing is maintained because Williams' engineering department provides shop drawings for each production order showing customer preference details and specific contract requirements.

Applications

- Dam Tie-Downs
- Temporary Excavation Support
- Landslide Mitigation
- Permanent Tieback Systems
- Slope Surface Stabilization
- Foundations



Corrosion Protection

The anchor system can be produced to meet the Post-Tensioning Institute's *Recommendations for Prestressed Rock and Soil Anchors*. Williams Strand Anchors are supplied with the following classes of Corrosion Protection:

Class I - Encapsulated Tendon:

Anchorage: Wedge Plate, Bearing Plate w/ Trumpet and End Cap.

Free Stressing Length: Corrosion inhibiting compound filled HDPE sheath encased in grout filled corrugated sheathing.

Bond Length: Grout Filled encapsulated corrugated sheathing.

Class II - Encapsulated Tendon:

Anchorage: Wedge Plate, Bearing Plate w/ optional Trumpet and optional End Cap.

Free Stressing Length: Corrosion inhibiting compound filled HDPE sheath encased in grout filled corrugated sheathing.

Bond Length: Externally grouted.

Design and Construction Support

Williams is committed to assisting designers and foundation engineers with prebid product information, budget pricing and anchor details. Williams' technical staff will work with designers to ensure that the specified strand anchor system is economical and appropriate for the application.

Williams is also committed to assisting the contractor with project pricing, bearing plate calculations, quantity take-offs, anchor submittals and shop drawings. Williams' manufacturing personnel will work with the technical staff to ensure the anchors are delivered to the jobsite, ready to install and on time. Williams also offers on-site technical assistance to the contractor.



Strand Anchor System - ASTM A-416

| Number of Strands | Cross-Sectional Area (Aps) | Ultimate Load (fpu*Aps) | Maximum Jacking Load (0.8*fpu*Aps) | Maximum Design Load (0.6*fpu*Aps) | HDPE Tubing | Anchor Heads |
|-------------------|---|-------------------------|------------------------------------|-----------------------------------|--------------------------|----------------------------|
| 1 | 0.217 in ² (140 mm ²) | 58.6 kips (261 kN) | 46.9 kips (209 kN) | 35.2 kips (157 kN) | 3" nom. (3-1/2" O.D.) | C4.6 |
| 2 | 0.434 in ² (280 mm ²) | 117 kips (522 kN) | 93.8 kips (418 kN) | 70.4 kips (314 kN) | 3" nom. (3-1/2" O.D.) | C4.6 |
| 3 | 0.651 in ² (420 mm ²) | 176 kips (783 kN) | 141 kips (627 kN) | 106 kips (471 kN) | 3" nom. (3-1/2" O.D.) | C4.6 |
| 4 | 0.868 in ² (560 mm ²) | 234 kips (1044 kN) | 188 kips (836 kN) | 141 kips (628 kN) | 3" nom. (3-1/2" O.D.) | C7.6 (C4.6 for Class 2) |
| 5 | 1.09 in ² (700 mm ²) | 293 kips (1305 kN) | 235 kips (1045 kN) | 176 kips (785 kN) | 3" nom. (3-1/2" O.D.) | C7.6 |
| 6 | 1.30 in ² (840 mm ²) | 352 kips (1566 kN) | 281 kips (1254 kN) | 211 kips (942 kN) | 3" nom. (3-1/2" O.D.) | C7.6 |
| 7 | 1.52 in ² (980 mm ²) | 410 kips (1827 kN) | 328 kips (1463 kN) | 246 kips (1099 kN) | 3" nom. (3-1/2" O.D.) | C7.6 |
| 8 | 1.74 in ² (1120 mm ²) | 469 kips (2088 kN) | 375 kips (1672 kN) | 282 kips (1256 kN) | 3" nom. (3-1/2" O.D.) | C9.6 |
| 9 | 1.95 in ² (1260 mm ²) | 527 kips (2349 kN) | 422 kips (1881 kN) | 317 kips (1413 kN) | 4" nom. (4.6" O.D.) | C9.6 |
| 10 | 2.17 in ² (1400 mm ²) | 586 kips (2610 kN) | 469 kips (2090 kN) | 352 kips (1570 kN) | 4" nom. (4.6" O.D.) | C12.6 |
| 11 | 2.39 in ² (1540 mm ²) | 645 kips (2871 kN) | 516 kips (2299 kN) | 387 kips (1727 kN) | 4" nom. (4.6" O.D.) | C12.6 |
| 12 | 2.60 in ² (1680 mm ²) | 703 kips (3132 kN) | 563 kips (2508 kN) | 422 kips (1884 kN) | 4" nom. (4.6" O.D.) | C12.6 |
| 13 | 2.82 in ² (1820 mm ²) | 762 kips (3393 kN) | 610 kips (2717 kN) | 458 kips (2041 kN) | 5" nom. (5.6" O.D.) | C19.6 |
| 14 | 3.04 in ² (1960 mm ²) | 820 kips (3654 kN) | 657 kips (2926 kN) | 493 kips (2198 kN) | 5" nom. (5.6" O.D.) | C19.6 |
| 15 | 3.26 in ² (2100 mm ²) | 879 kips (3915 kN) | 704 kips (3135 kN) | 528 kips (2355 kN) | 5" nom. (5.6" O.D.) | C19.6 |
| 16 | 3.47 in ² (2240 mm ²) | 938 kips (4176 kN) | 750 kips (3344 kN) | 563 kips (2512 kN) | 5" nom. (5.6" O.D.) | C19.6 |
| 17 | 3.69 in ² (2380 mm ²) | 996 kips (4437 kN) | 797 kips (3553 kN) | 598 kips (2669 kN) | 5" nom. (5.6" O.D.) | C19.6 |
| 18 | 3.91 in ² (2520 mm ²) | 1055 kips (4698 kN) | 844 kips (3762 kN) | 634 kips (2826 kN) | 5" nom. (5.6" O.D.) | C19.6 |
| 19 | 4.12 in ² (2660 mm ²) | 1113 kips (4959 kN) | 891 kips (3971 kN) | 669 kips (2983 kN) | 5" nom. (5.6" O.D.) | C19.6 |
| 20 | 4.34 in ² (2800 mm ²) | 1172 kips (5220 kN) | 938 kips (4180 kN) | 704 kips (3140 kN) | 5" nom. (5.6" O.D.) | C22.6 |
| 21 | 4.56 in ² (2940 mm ²) | 1231 kips (5481 kN) | 985 kips (4389 kN) | 739 kips (3297 kN) | 6" nom. (6.6" O.D.) | C22.6 |
| 22 | 4.77 in ² (3080 mm ²) | 1289 kips (5742 kN) | 1032 kips (4598 kN) | 774 kips (3454 kN) | 6" nom. (6.6" O.D.) | C22.6 |
| 23 | 4.99 in ² (3220 mm ²) | 1348 kips (6003 kN) | 1079 kips (4807 kN) | 810 kips (3611 kN) | 6" nom. (6.6" O.D.) | C27.6 |
| 24 | 5.21 in ² (3360 mm ²) | 1406 kips (6264 kN) | 1126 kips (5016 kN) | 845 kips (3768 kN) | 6" nom. (6.6" O.D.) | C27.6 |
| 25 | 5.43 in ² (3500 mm ²) | 1465 kips (6525 kN) | 1173 kips (5225 kN) | 880 kips (3925 kN) | 6" nom. (6.6" O.D.) | C27.6 |
| 26 | 5.64 in ² (3640 mm ²) | 1524 kips (6786 kN) | 1219 kips (5434 kN) | 915 kips (4082 kN) | 6" nom. (6.6" O.D.) | C27.6 |
| 27 | 5.86 in ² (3780 mm ²) | 1582 kips (7047 kN) | 1266 kips (5643 kN) | 950 kips (4239 kN) | 6" nom. (6.6" O.D.) | C27.6 |
| 28 | 6.08 in ² (3920 mm ²) | 1640 kips (7308 kN) | 1313 kips (5852 kN) | 986 kips (4396 kN) | 6" nom. (6.6" O.D.) | C31.6 |
| 29 | 6.29 in ² (4060 mm ²) | 1699 kips (7569 kN) | 1360 kips (6061 kN) | 1021 kips (4553 kN) | 6" nom. (6.6" O.D.) | C31.6 |
| 30 | 6.51 in ² (4200 mm ²) | 1758 kips (7820 kN) | 1407 kips (6270 kN) | 1056 kips (4710 kN) | 6" nom. (6.6" O.D.) | C31.6 |
| 31 | 6.73 in ² (4340 mm ²) | 1816 kips (8091 kN) | 1454 kips (6479 kN) | 1091 kips (4867 kN) | 6" nom. (6.6" O.D.) | C31.6 |
| 32 | 6.94 in ² (4480 mm ²) | 1875 kips (8352 kN) | 1500 kips (6688 kN) | 1126 kips (5024 kN) | 8" nom. (9-1/2" O.D.) | C37.6 |
| 33 | 7.16 in ² (4620 mm ²) | 1933 kips (8613 kN) | 1547 kips (6897 kN) | 1161 kips (5181 kN) | 8" nom. (9-1/2" O.D.) | C37.6 |
| 34 | 7.38 in ² (4760 mm ²) | 1992 kips (8874 kN) | 1594 kips (7106 kN) | 1196 kips (5338 kN) | 8" nom. (9-1/2" O.D.) | C37.6 |
| 35 | 7.59 in ² (4900 mm ²) | 2051 kips (9135 kN) | 1641 kips (7315 kN) | 1232 kips (5495 kN) | 8" nom. (9-1/2" O.D.) | C37.6 |
| 36 | 7.81 in ² (5040 mm ²) | 2109 kips (9396 kN) | 1688 kips (7524 kN) | 1267 kips (5652 kN) | 8" nom. (9-1/2" O.D.) | C37.6 |
| 37 | 8.03 in ² (5180 mm ²) | 2168 kips (9657 kN) | 1735 kips (7733 kN) | 1302 kips (5809 kN) | 8" nom. (9-1/2" O.D.) | C37.6 |

- 1) Mill certification provided upon request to indicate the actual tensile strength of the 7-wire strand with each shipment of Williams strand anchors.
2) Larger diameter anchors available upon request.





Strand Anchor Systems

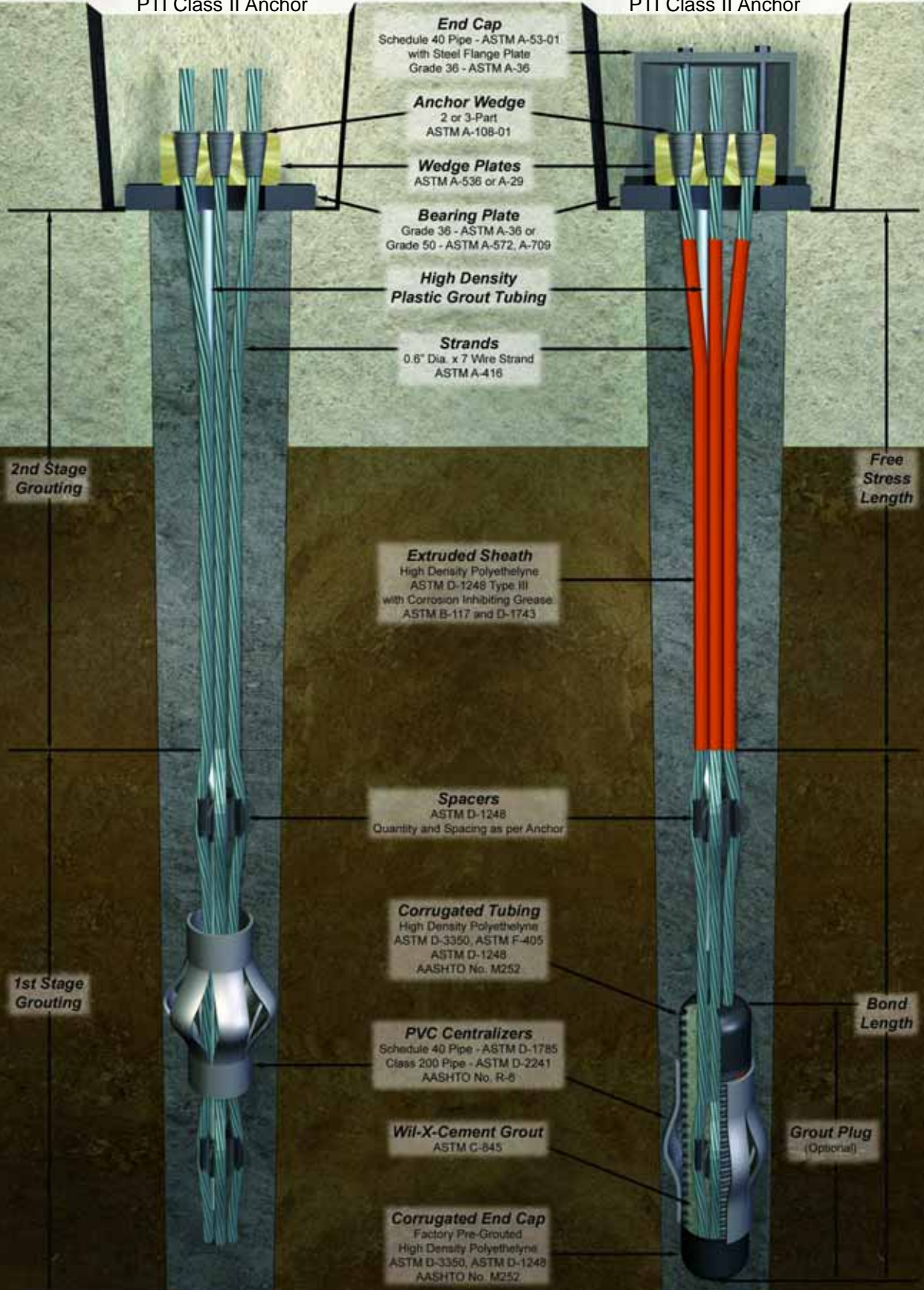
Strand Specifications

Williams Type A System

Two Stage Grouting
PTI Class II Anchor

Williams Type B System

Extruded Free Stress Length
PTI Class II Anchor



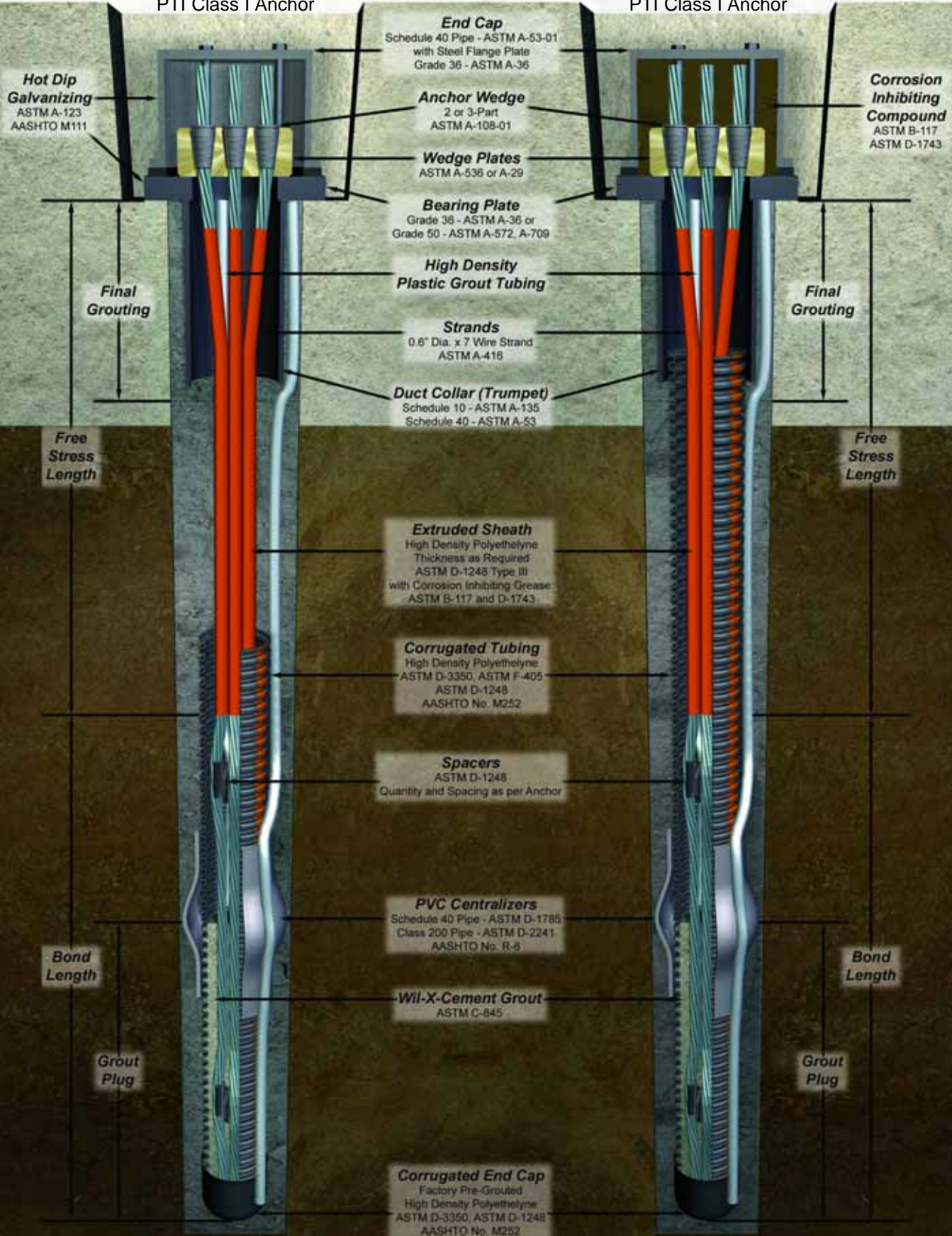
Strand Specifications

Williams Type C System

Bond Length Corrugation
PTI Class I Anchor

Williams Type D System

Full Corrugation
PTI Class I Anchor



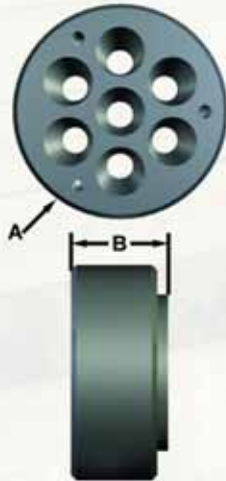


Strand Accessories

Wedge Plates (Anchor Heads)

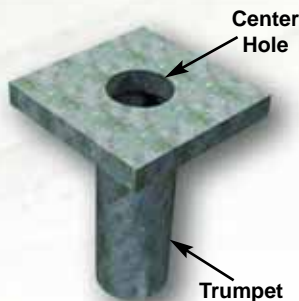
Williams Wedge Plates are full strength permanent components. They are available galvanized.

| Type | A Diameter | B Thickness | Part Number |
|-------|---------------------|--------------------|----------------|
| C4.6 | 5" (127 mm) | 2" (51 mm) | RSAH04W |
| C7.6 | 5" (127 mm) | 2" (51 mm) | RSAH07W |
| C9.6 | 6-3/8" (162 mm) | 2-3/4" (70 mm) | RSAH09 |
| C12.6 | 7-3/8" (187 mm) | 3-3/8" (86 mm) | RSAH12S |
| C19.6 | 8-1/4" (210 mm) | 4" (102 mm) | RSAH19S |
| C22.6 | 9" (229 mm) | 4-1/8" (105 mm) | RSAH22 |
| C27.6 | 10" (254 mm) | 4-1/2" (114 mm) | RSAH27 |
| C31.6 | 10-3/4" (273 mm) | 4-7/8" (122 mm) | RSAH31 |
| C37.6 | 11-1/2" (292 mm) | 4-7/8" (122 mm) | RSAH37 |



Bearing Plates - S1K

Williams Bearing Plates are available in sizes as required per anchor, and are designed in accordance with PTI specifications. Plate stock can be provided in Grade 36 or Grade 50.



| Anchor Head Class 1 & 2 | Trumpet Class 1 | | Bearing Plate Center Hole Head Clearance Class 1 & 2 |
|----------------------------|---------------------|--------------------|---|
| | O.D. | I.D. | |
| C4.6 | 4-1/2" (114 mm) | 4" (102 mm) | 3-1/2" (89 mm) |
| C7.6 | 4-1/2" (114 mm) | 4" (102 mm) | 3-3/4" (95 mm) |
| C9.6 | 5-9/16" (141 mm) | 5" (127 mm) | 4-1/2" (114 mm) |
| C12.6 | 6-5/8" (168 mm) | 6" (152 mm) | 5-1/4" (133 mm) |
| C19.6 | 7-5/8" (194 mm) | 7-1/8" (181 mm) | 6-1/2" (165 mm) |
| C22.6 | 8-5/8" (219 mm) | 7-7/8" (200 mm) | 7-1/2" (191 mm) |
| C27.6 | 8-5/8" (219 mm) | 7-7/8" (200 mm) | 8" (203 mm) |
| C31.6 | 10-3/4" (273 mm) | 10" (254 mm) | 8-1/2" (216 mm) |
| C37.6 | 10-3/4" (273 mm) | 10" (254 mm) | 9-1/2" (241 mm) |

Anchor Head Wedges

All wedges are equipped with a ring to keep the wedge attached to the tendon during elongation and/or tensioning operations.

3-Piece Wedges - RSWG03

The 3-Piece anchor wedges are PTI recommended for use on permanent anchors and/or anchors requiring incremental loading. They uniformly engage the strand with less relaxation at low loads. They are manufactured from quality steels and are case hardened for durability.



2-Piece Wedges - RSWG02

The 2-Piece anchor wedges are useful in higher stress applications where restressing of the anchor is not required. They are manufactured from quality steels and are case hardened for durability.



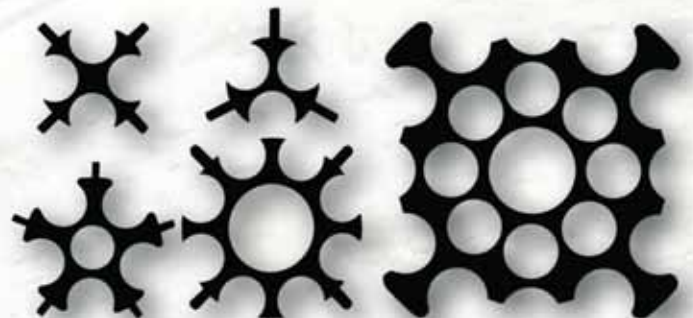
Stressing Head Wedges - RSXSHW

Stressing head wedges are necessary for prestressing all classes of strand anchors. The stressing wedges are heat treated, chrome plated and designed for multiple uses.



Spacers - RSPS

Strand spacers are provided in the anchor bond zone to separate the strand and provide for the minimum required grout cover around each strand for corrosion protection and bond strength development. The strand spacers are normally located 1-2 feet above the bottom of the anchor and at the top of the bond zone. The intermediate strand spacers are typically placed at a distance of 8-10 feet, center to center along the bond zone between the top and bottom spacer.



Williams offers a full line of Ground Anchors, Concrete Anchors, Post-Tensioning Systems, and Concrete Forming Hardware Systems for whatever your needs may be.



Also available from Williams are *Rock & Soil Anchor Sample Specifications* and *High Capacity Concrete Anchor Sample Specifications*



Please see website for most current information

Web: <http://www.williamsform.com>

E-mail: williams@williamsform.com

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2600 Vulcan Dr.

Lithia Springs, GA 30122

Phone: (770) 949-8300

Fax: (770) 949-2377

3468 Hancock St.

San Diego, CA 92110

Phone: (619) 209-3640

Fax: (619) 209-3639

7601 North Columbia

Portland, OR 97203

Phone: (503) 285-4548

Fax: (503) 285-6858

3836 Williamson Way

Bellingham, WA 98226

Phone: (360) 715-3800

Fax: (360) 715-3802



FORM HARDWARE & ROCK BOLT (Canada) LTD.

670 Industrial Road

London, ON, N5V 1V1

Phone: (519) 659-9444

Fax: (519) 659-5880

Laval, P.Q.

Phone: (450) 962-2679

Fax: (450) 962-2680

Williams Form Engineering has representation in the following organizations:



Attachment A4 – Sample Mill Certificate

Strand-Tech Martin, Inc.
 Manufacturer of PC Strand & Wire
 258 Deming Way
 Summerville, SC 29483

7-Wire Strand ASTM A416

Test Date 08/14/2009
 Tested By 108 DE
 Size .600" 270 LR
 Origin D
 Sample ID 05

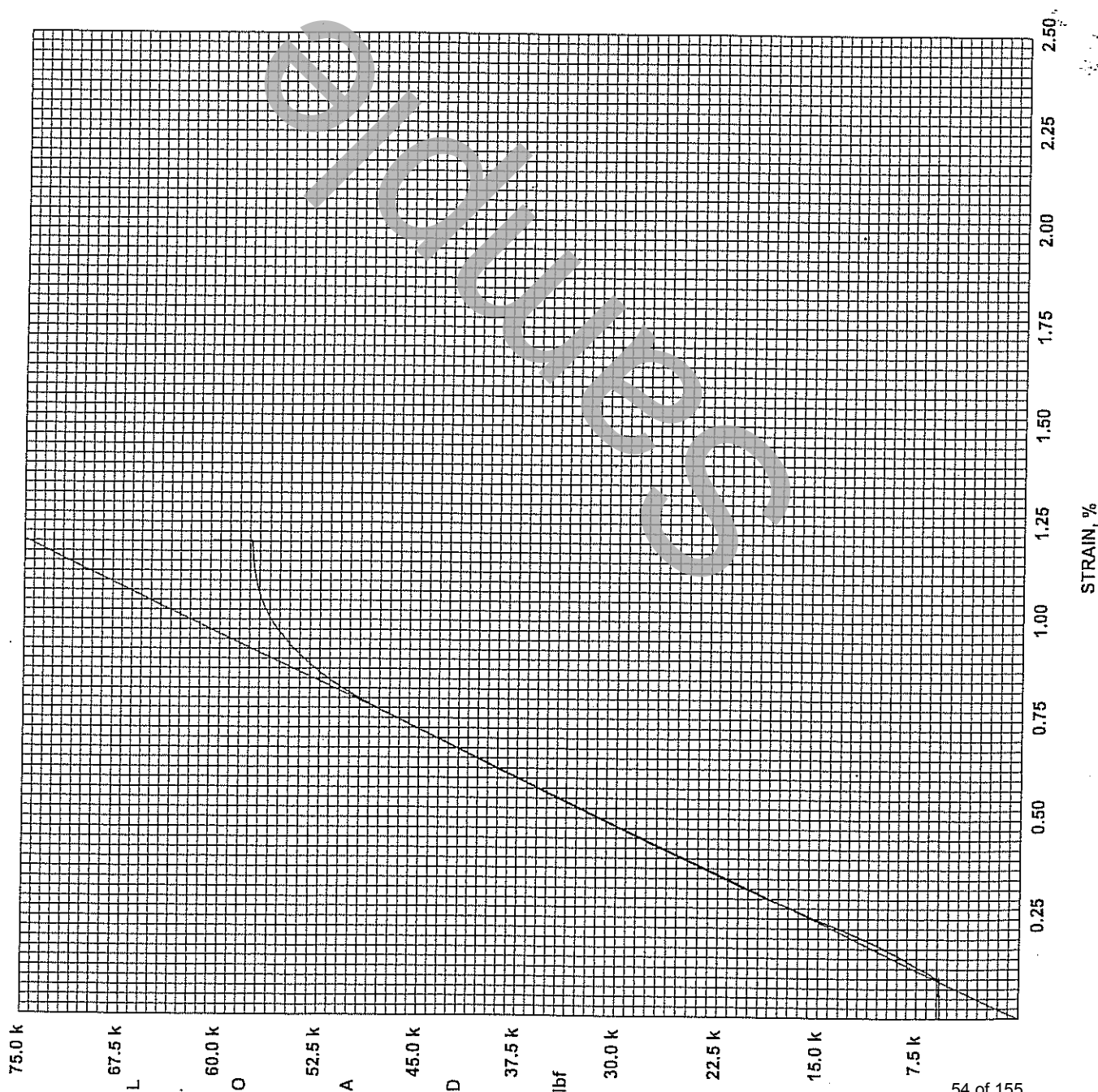
LOW RELAXATION PC STRAND

Lot: 23201
 Heat Number: 20069980
 Test #: 1
 Ultimate, lbf: 60600
 Ultimate, kN: 269
 Load @, lbf: 56100
 Load @, kN: 250
 Elongation, %: 4.44
 Nominal Area, in²: 0.217
 Nominal Area, mm²: 140
 Actual, in²: 0.2177
 Actual, mm²: 140.48
 Strand Diameter, in: 0.602
 Modulus, Mpsi: 28.6
 Modulus, MPa: 197100
 Minimum, in: 0.0094

.600 270

23201-01 23201-06
 23201-02 23201-07
 23201-04 23201-08
 23201-05

Aug 14, 2009 2:06:33 AM
 SN: 205440-R2 V7.02.02



Attachment A5 – Re-grout Tube Detail

C&M POST GROUT TUBE IN 20' LENGTHS

An economical method of increasing anchor bond value

Drilling contractors across the U.S. are finding that it is most economical to order pre-fabricated post grout tubing and riser pipe, thus reducing field labor costs. C&M's post grout tubing has proven its reliability on countless projects throughout the U.S.



Short lengths available for field assembly



.5" Schedule 40 Post Grout Tube x 20'



.25"x.25" notched grout outlet

| SIZE | I.D. | MATERIAL | LENGTH |
|-------------------------------|-------|-----------------------|--------|
| .50" 4 Outlets on 5' Centers | .622 | Sch.40 PVC 600 PSI | 20' |
| .50" 5 Outlets on 4' Centers | .622 | Sch.40 PVC 600 PSI | 20' |
| .75" 4 Outlets on 5' Centers | .824 | Sch.40 PVC 480 PSI | 20' |
| .75" 5 Outlets on 4' Centers | .824 | Sch.40 PVC 480 PSI | 20' |
| .75" 4 Outlets on 5' Centers | .742 | Sch.80 PVC 690 PSI | 20' |
| .75" 5 Outlets on 4' Centers | .742 | Sch.80 PVC 690 PSI | 20' |
| 1.00" 4 Outlets on 5' Centers | 1.049 | Sch.40 PVC 450 PSI | 20' |
| 1.00" 5 Outlets on 4' Centers | 1.049 | Sch.40 PVC 450 PSI | 20' |
| 1.00" 4 Outlets on 5' Centers | 0.957 | Sch.80 PVC 630 PSI | 20' |
| 1.00" 5 Outlets on 4' Centers | 0.957 | Sch.80 PVC 630 PSI | 20' |

May also be ordered per anchor length & bond requirements.
Schedule 40 Material, standard belled end.
Schedule 80 Material, standard straight end.

ADVANTAGES

- Only quality type 1120 PVC pipe used.
- Grout outlets precision cut to .250" x .250".
- Outlet conformity improves pressure control and reduces pipe breakage.
- Gum rubber sleeves are highest quality available, 60 Duro, .125" wall x 4" length, permanently centered over grout outlet.
- All fittings attached with primer and cement to manufacturer's specifications.
- Factory belled ends for quick connections.
- PVC pipe meets or exceeds ASTM D1785.
- Same day shipping.

Plain PVC pipe, caps, couplers, adapters, primer/cement, etc. also available

C&M Manufacturing Co.

9640-B Mission Gorge Road #165, Santee, CA 92071 • 800-458-6191 • 619-449-7200 • 619-449--0018 FAX
www.centralizers.com • e-mail: curt@centralizers.com

56 of 155
09/15/10

APPENDIX B – WALE INSTALLATION PROCEDURES

Appendix B

Wale Installation Procedures

The wales will be installed prior to drilling the tiebacks. Sixteen (16) wales are required to transfer the load from the permanent sheet piling to the temporary tieback anchors. Based on the contract structural drawings, the wales will consist of two MC12x50 channels and are assembled with 1 inch bolts and schedule 40 spacer pipes. The maximum space between channels, as specified on contract drawings, is four (4) inch. As stated above, Moretrench intends to install tiebacks after wale installation to ensure proper alignment of tiebacks with wale system. Accordingly, Moretrench proposes an alternate deeper C15x40 double channel wale with a minimum back to back spacing of 6 in. The C15x40 channel has a section modulus of 46.5 in³ which is greater than section modulus of the designed channels shown on contract drawings. Wales may be either shop or field fabricated in general accordance with the shop drawings.

Section B of contract structural drawing sheet S-123 shows that at each sheeting flange, the wales will be mounted on a steel bracket consist of a ¾"x12"x1'-2" plate and a W12x40 stub. However, Moretrench proposed to modify this wale seat detail to accommodate the revised wale detail which requires a wider wale seat assembly. The seats will be cut from hot rolled beam sections that have a 1/2 inch minimum web thickness. A typical field fabrication detail for a wale seats, cut for a 30 and a 45 degree tieback inclination, are shown in shop drawings provided in Attachment D1. In addition, Section A of contract structural drawing sheet S-123 requires 5/16 inch thick fillet weld on three sides of bearing plate to mount to wales. However, welding the bearing plate to wales is not required for the pure compression load applied via tieback and is disruptive to the re-grout process by preventing access to the re-grout tube. Accordingly, we do not propose welding bearing plate. Please see attached shop drawings (Attachment D2) for final fabrication details.

Steel channel wales may be either shop or field fabricated in general accordance with the shop drawings. Wale seats will be welded to the face of the sheet pile flange using field arc-welding procedures and E70XX electrodes. The minimum required 5/16" thick fillet weld on each side of a wale seat varies based on the design load of tiebacks. The minimum required weld length on each side of wale seat is 8 in for 100 kips and 140 kips and 10 in for 130 kips design load. All the welding for steel bracket will be done using field arc-welding procedures and E70XX electrodes. All welding associated with wale fabrication and installation be done in conformance with industry standard welding procedure.

APPENDIX C - GROUT MIX DESIGNS, QA/QC, AND GROUTING EQUIPMENT

Appendix C

Grout Mix Designs, QA/QC, and Grouting Equipment

1.0 Primary Anchor Grout

The grout for the temporary tieback anchor installation shall be a stable neat cement mixture of utilizing Type I, II or I/II Portland cement, water, and FX-32, a strength-gain admixture, in accordance with PTI 2004. The mix proportions, as noted below, yield a compressive strength greater than 3,000 psi in 28-days for 2” cube samples cast and tested in accordance with ASTM C109. The yield of one bag of cement is typically 1.15 cubic feet or 8.5 to 9 gallons of neat-cement grout. Please refer to the attached laboratory test results (Attachment C1).

94 lb (1 bag) Portland cement Type I, II, or I/II
5 gallons (41.7 lb) potable water
½ lb FX-32 Admixture

Note: The above mix represents a water to cement (w/c) ratio of 0.44 by weight, as follows:

$$\frac{w}{c} = \frac{41.7lb}{94.0lb} = 0.44$$

We have also included compression testing data obtained on a recent project indicating typical grout strengths. Previous grout data shows typical strengths at 24 and 48 hours after casting in excess of 1,500 psi and 3,000 psi, respectively. The water-reducing admixture FX-32, manufactured by Fox Industries, fluidizes the grout and aids in strength gain with Type I/II cement similar to that observed when using Type III cement (Attachment C2).

When produced in a high-shear mixer, this mix design creates a stable suspension with high strength, low bleed, and correspondingly, low shrinkage. Referring to Figure 1 on the following page, an experimentally-derived plot of water-cement ratio versus compressive strength and bleed, it can be observed that the bleed capacity of grout with a w/c ratio between 0.4 and 0.5 is less than 0.02, indicating that the grout mix is stable (Littlejohn and Bruce, 1977).

2.0 Re-grout

In the event that re-grouting is required, the grout for re-grouting through the tube-a-manchette (TaM) pipes shall be neat cement mixture utilizing Type I, II or I/II Portland cement in accordance to the following proportions:

94 lb (1 bag) Portland cement Type I, II, or I/II

7.5 gallons (63 lb) potable water
½ lb FX-32 Admixture

Please refer to the attached laboratory test results (Attachment C3). This proportion represents a water to cement (w/c) ratio of 0.67 by weight, as follows:

$$\frac{w}{c} = \frac{63lb}{94.0lb} = 0.67$$

3.0 QA/QC of Neat Cement Grout

Quality assurance and quality control (QA/QC) of the neat cement grout used in the anchors will be performed in accordance with our general construction practices.

At Moretrench option, we may cast compressive strength specimens, 2 inch grout cubes, in accordance with ASTM C109 for our QC purpose only. Any grout cube or other materials testing required for our work is excluded from our scope and it to be provided by the General Contractor or others. Our field personnel will make specimens at a minimum frequency of one set of nine 2 in. cubes for each day of grouting operation or per 10 anchors. Grout cubes will be properly cured on-site for 24 hours and transported to an independent testing laboratory for strength testing in general accordance with the specifications. Two (2) grout cubes each will be broken at 3 days, 7 days, 14 days, and 28 days. One (1) grout cube will be held as a reserve specimen.

During production of grout, mud-balance testing will be performed to measure the specific gravity, a quantitative indicator of the water/cement ratio. The unit weight of the primary grout and re-grout mixes presented above are 118 lb/ft³ and 105 lb/ft³ respectively. These unit weights result in a specific gravity of 1.88 to 1.90 for primary grout and 1.67 to 1.69 for re-grout. Field measurements of the specific gravity will be made to confirm that the correct grout mix proportions are being used in the field. Mix proportions will be corrected if the specific gravity measurements are found to be substantially lower than the target values.

4.0 GROUTING EQUIPMENT

The dry ingredients will be added to the water and mixed in a paddle mixer (Attachment C4). Grout will be pumped with a Moyno pump, model 3L8 or similar (Attachment C5). Water quantities for mixing grout will be checked using a flowmeter and/or calibrated volume measurement container, as well as verified through mud-balance testing as described above. Grout quantities placed in the anchors will be monitored in terms of the number of bags of cement consumed.

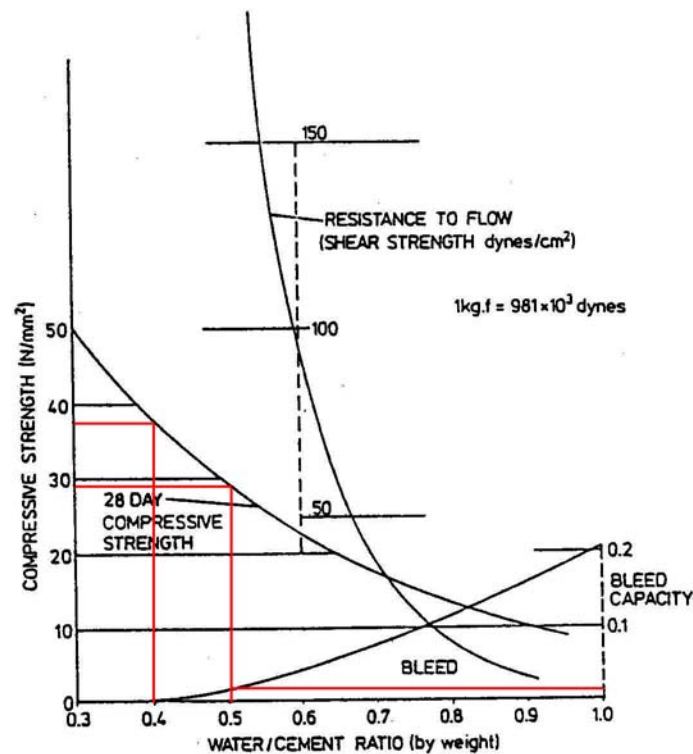


Figure 6-5 Effect of water content on cement grout properties. (From Littlejohn and Bruce, 1977.)

Figure I (adapted from Xanathakos et al, 1994)

References

Littlejohn, G.S. (1982). Design of Cement Based Grouts, *Proceedings of the Conference on Grouting in Geotechnical Engineering*, edited by Wallace H. Baker, New Orleans, American Society of Civil Engineers, New York, 35-48.

Xanathakos, P., Abramson, L., and Bruce, D. (1994). *Ground Control and Improvement*. John Wiley and Sons, New York.

Attachment C I – Primary Grout Test Results

SOR TESTING LABORATORIES, INC.

Geotechnical Engineering - Materials Testing - Forensic Studies
98 Sand Park Rd., Cedar Grove, NJ 07009
(973) 239-6001 Fax (973) 239-8380

Branch Office:
New Brunswick, NJ
(732) 247-4481

Kamil Sor, Ph.D.
Orhun Sor, P.E.
Peter G. Micklus, P.E.
Yilmaz Arhan, Ph.D.
Kenneth Rowbotham, P.E.

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| | | | |
|----------|---|-------------|-------------|
| Client: | Moretrench Geotec | | |
| Project: | Information of Client | | |
| Subject: | Observation, Sampling, and Testing of Grout Mix, Paddle Mixer | | |
| Job No.: | 05-372 | Report No.: | 05-4430 |
| | | Date: | 10/26//2005 |

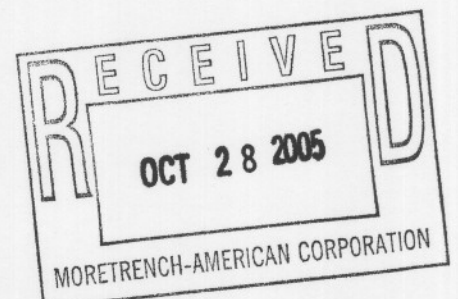
At the request of our client, on August 17, 2005 a representative from this office was present at the Moretrench Geotec facilities to make grout samples. The mix design and type of mixer were provided by the client.

Paddle Mixer:

1 bag of Portland Cement
5 gallons of water
0.25 lb. FX 32

A series of specimens were cast using brass molds, plastic molds, and 3 x 6 inch cylinders.

The sample designations and the compressive strength test results were as follows:



SOR TESTING LABORATORIES, INC.

Report No. 05-4430

Page 2

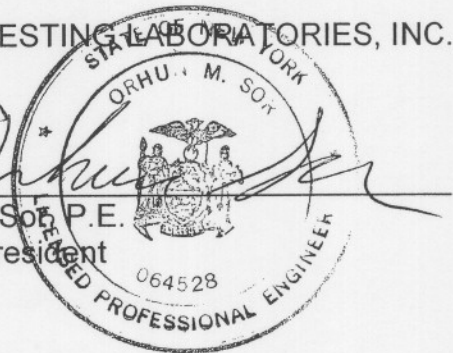
PADDLE MIXING MACHINE

| Type of Mold | Mix I.D. | Sample No. | Age, days | psi |
|----------------------------------|-------------|------------|-----------|------|
| Plastic Molds (2-inch cubes) | ¼ lb. FX-32 | 1 A | 3 | 4150 |
| | | B | 3 | 4225 |
| | | C | 7 | 5125 |
| | | D | 7 | 5050 |
| | | E | 14 | 6575 |
| | | F | 14 | 6625 |
| | | G | 28 | 7200 |
| | | H | 28 | 7400 |
| Brass Molds (2-inch cubes) | ¼ lb. FX-32 | 1 A | 7 | 4750 |
| | | B | 28 | 6350 |
| | | C | 28 | 6300 |
| Cylinder Molds (3 x 6 inches) | ¼ lb. FX-32 | 1 A | 3 | 4668 |
| | | B | 7 | 5376 |
| | | C | 14 | 6366 |
| | | D | 29 | 7498 |

Very truly yours,

SOR TESTING LABORATORIES, INC.

Orhun Sor, P.E.
Vice President



OS/gs

cc: (1) Client, Attn: Terence P. Holman, Ph.D., P.E.

Fax: 973-586-7265

Attachment C2 – Grout Admixtures



FX-32

Liquid/Powder Catalytic Agent

Fox Industries, Inc. • 3100 Falls Cliff Road • Baltimore, Maryland 21211

DESCRIPTION:

FX-32 Catalytic Agent is a high range water reducing admixture, comprised of a non-toxic aqueous polymer resin. It can be used in a wide variety of concrete mixtures as an admixture that meets the performance requirements for ASTM Type F admixtures. This product offers dosage flexibility, provides up to 25% water reduction, can reduce necessary water content for a given level of workability and provides normal setting characteristics. **FX-32** gives excellent workability of plastic concrete, superior later-age strength and improved finishability, produces high-early strength, scale resistant concrete or mortar even with lean mixes **FX-32 CA** exceeds the requirements of ASTM C-494, Type F.

ADVANTAGES:

- * Retards initial set, depending on dosage used from 1/2 to 1 hour when compared to plain mix (control mix). It is capable of producing structural concrete in 24 hours.
- * Reduces chloride and other chemical intrusion by 5 to 1.
- * Reduces absorption by 40% to 60% and increases abrasion resistance of thin concrete overlay or full depth concrete (which can prevent hydroplaning on roadways).
- * Produces twice the heat resistance qualities of concrete when compared to a plain mix.
- * Increases bond of new concrete or mortar to old.
- * Resists attack by water with an altered pH condition or salt spray when used in marine environment or on bridge decks.
- * Reduces shrinkage by 25% to 40%.

WHERE TO USE:

It is ideal for use where corrosion resistance is an important design consideration, and where the level of chloride or chemical intrusion is needed to be kept to its lowest possible levels (5 times less than plain concrete). Bridges and bridge decks, highways, precast concrete, parking decks, and on-grade highway patching are examples of where **FX-32CA** has been successfully employed.

PHYSICAL PROPERTIES:

Concrete gives compressive strengths of 7000 to 9000 psi in 28 days depending on the dosage used. **FX-32CA** contains no calcium chloride, salts, foaming agents or sugar.

If air-entrained concrete or mortars are desired, trial mixes should be run to establish the amount of air-entraining agent required and the compatibility of the cement used (do not use Type II cement or Type I modified, unless trial mixes have established their compatibility). Usually, 1 to 2.5 liquid ounces of a vinsol resin type air-entraining agent such as **FX-340** is recommended.

MIXING:

A ratio of 16 to 18 ounces of **FX-32CA** per sack of cement will retard the initial set of concrete or mortar approximately 1/2 to 1 hour at 70°F, while reducing water requirements for a given slump by 15% to 25%.

APPLICATION:

FX-32CA - Use 16 to 24 ounces of **FX-32CA** per sack of cement for ultimate results, depending upon design requirements.

PACKAGING:

FX-32CA liquid is packaged in 55-gallon drums or 5-gallon pails.

SHELF LIFE:

One year

LIMITATIONS:

Prevent liquid from freezing. Keep powder dry. Avoid extreme heat (above 120°F) in storage.

FOR INDUSTRIAL USE ONLY. KEEP AWAY FROM CHILDREN. 12/2004

PHONE 410-243-8856

TOLL FREE 888-760-0369

FAX 410-243-2701

Attachment C3 – Re-Grout Test Results



MIX DESIGN: 7.5 GALLONS PER BAG TYPE II

COMPRESSIVE STRENGTH REPORT
MORTAR _____ GROUT X

CLIENT: _____ DATE: June 7, 2007
PROJECT: Croton Dam PROJECT #: 07-08-161

PLACEMENT DATA

LOCATION: R1, R2, R3, R4, R5TIME MIXED: _____ DESIGN STRENGTH REQ'D: 4,000

TIME SAMPLED: _____ AGGREGATE SIZE: _____

MIX TEMP: _____ SAMPLED FROM: _____

AIR TEMP: _____ TECHNICIAN: Justin

SUPPLIER: _____ TICKET #: _____

MORTAR TYPE

M _____ S _____ N _____ O _____

COMPRESSION STRENGTH DATA

2"x2" cube _____

3"x6" cylinder X

Other _____

| SPECIMEN ID NO. | DATE MOLDED | DATE TESTED | AGE DAYS | DIAMETER (INCHES) | AVG. AREA (SQ. IN.) | COMP. FAILURE LOAD | STRENGTH (PSI) | TYPE OF FRACTURE |
|--------------------|----------------|----------------|-------------|----------------------|------------------------|-----------------------|-------------------|---------------------|
| 013737-A | 06/07/07 | 06/14/07 | 7 | 4 | 7.1 | 27,800 | 3,932 | B |
| 013737-B | 06/07/07 | 06/14/07 | 7 | 4 | 7.1 | 28,450 | 4,024 | B |
| 013737-C | 06/07/07 | 06/14/07 | 7 | 4 | 7.1 | 27,610 | 3,889 | A |
| 013737-D | 06/07/07 | 07/05/07 | 28 | 4 | 7.1 | 36,990 | 5,210 | B |
| 013737-D | 06/07/07 | 07/05/07 | 28 | 4 | 7.1 | 37,680 | 5,307 | A |
| | | | | | | | | |

REMARKS:

XX Samples made by AEL representative
____ Samples made by others
____ Samples delivered to laboratory
XX Samples picked up by AEL representative
____ Test results comply with applicable specifications
____ Test results do not comply with applicable specifications

TYPES OF FRACTURES:

A Cone
B Cone & Split
C Cone & Shear
D Shear
E Columnar

CERTIFICATION OF COMPLIANCE: All work, unless otherwise noted, complies with approved plans, specifications and applicable sections of the building codes. All test are performed with ASTM procedures C-158, C-31, C-39, C-143, C-231 or C-173, C-172, C-1064 unless noted otherwise. This report covers the locations of the work tested only and does not constitute engineering opinion or project control.



MIX DESIGN: 7.5 GALLONS PER BAG TYPE II

COMPRESSIVE STRENGTH REPORT
MORTAR _____ GROUT X

CLIENT: _____ DATE: June 7, 2007
PROJECT Croton Dam PROJECT #: 07-06-161

PLACEMENT DATA

LOCATION: R6, R7, R8

TIME MIXED: _____

DESIGN STRENGTH REQ'D: 4,000

TIME SAMPLED: _____

AGGREGATE SIZE: _____

MIX TEMP: _____

SAMPLED FROM: _____

AIR TEMP: _____

TECHNICIAN: Justin

SUPPLIER: _____

TICKET #: _____

MORTAR TYPE

M _____ S _____ N _____ O _____

COMPRESSION STRENGTH DATA

2"x 2" cube _____

3"x 6" cylinder X

Other _____

| SPECIMEN ID NO. | DATE MOLDED | DATE TESTED | AGE DAYS | DIAMETER (INCHES) | AVG. AREA (SQ. IN.) | COMP. FAILURE LOAD | STRENGTH (PSI) | TYPE OF FRACTURE |
|--------------------|----------------|----------------|-------------|----------------------|------------------------|-----------------------|-------------------|---------------------|
| 013739-A | 06/07/07 | 06/14/07 | 7 | 4 | 4.0 | 14,150 | 3,538 | B |
| 013739-B | 06/07/07 | 06/14/07 | 7 | 4 | 4.0 | 14,370 | 3,593 | B |
| 013739-C | 06/07/07 | 07/05/07 | 28 | 4 | 4.0 | 19,140 | 4,853 | A |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

REMARKS:

- ☒ Samples made by AEL representative
☐ Samples made by others
☐ Samples delivered to laboratory
☒ Samples picked up by AEL representative
☐ Test results comply with applicable specifications
☐ Test results do not comply with applicable specifications

TYPES OF FRACTURES:

- A Cone
 B Cone & Split
 C Cone & Shear
 D Shear
 E Columnar

CERTIFICATION OF COMPLIANCE: All work, unless otherwise noted, complies with approved plans, specifications and applicable sections of the Building codes. All test are performed with ASTM procedures C-138, C-31, C-39, C-143, C-231 or C-173, C-172, C-1064 unless noted otherwise. This report covers the locations of the work tested only and does not constitute engineering opinion or project control.

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MIX DESIGN: 7.5 GALLONS PER BAG TYPE II

COMPRESSIVE STRENGTH REPORT
MORTAR _____ GROUT X

CLIENT: _____ on _____ DATE: June 7, 2007
PROJECT Croton Dam PROJECT #: 07-08-161

PLACEMENT DATA

LOCATION: C1, C2, C3, C4, C5
TIME MIXED: _____ DESIGN STRENGTH REQ'D: 4,000
TIME SAMPLED: _____ AGGREGATE SIZE: _____
MIX TEMP: _____ SAMPLED FROM: _____
AIR TEMP: _____ TECHNICIAN: Justin
SUPPLIER: _____ TICKET #: _____
MORTAR TYPE
M _____ S _____ N _____ O _____

COMPRESSION STRENGTH DATA

2"x 2" cube _____ 3"x 6" cylinder X Other _____

| SPECIMEN ID NO. | DATE MOLDED | DATE TESTED | AGE DAYS | DIAMETER (INCHES) | AVG. AREA (SQ. IN.) | COMP. FAILURE LOAD | STRENGTH (PSI) | TYPE OF FRACTURE |
|--------------------|----------------|----------------|-------------|----------------------|------------------------|-----------------------|-------------------|---------------------|
| 013736-A | 06/07/07 | 06/14/07 | 7 | 4 | 7.1 | 27,950 | 3,953 | B |
| 013736-B | 06/07/07 | 06/14/07 | 7 | 4 | 7.1 | 28,690 | 4,041 | B |
| 013736-C | 06/07/07 | 06/14/07 | 7 | 4 | 7.1 | 28,760 | 4,051 | A |
| 013736-D | 06/07/07 | 07/05/07 | 28 | 4 | 7.1 | 38,640 | 5,442 | B |
| 013736-D | 06/07/07 | 07/05/07 | 28 | 4 | 7.1 | 37,920 | 5,341 | A |

REMARKS:

XX Samples made by AEL representative
____ Samples made by others
____ Samples delivered to laboratory
XX Samples picked up by AEL representative
____ Test results comply with applicable specifications
____ Test results do not comply with applicable specifications

TYPES OF FRACTURES:

A Cone
B Cone & Split
C Cone & Shear
D Shear
E Columnar

CERTIFICATION OF COMPLIANCE: All work, unless otherwise noted, complies with approved plans, specifications and applicable sections of the Building codes. All test are performed with ASTM procedures C-138, C-31, C-83, C-143, C-291 or C-173, C-172, C-1084 unless noted otherwise. This report covers the locations of the work tested only and does not constitute engineering opinion or project control.



MIX DESIGN: 7.5 GALLONS PER BAG TYPE II

COMPRESSIVE STRENGTH REPORT

MORTAR _____ GROUT X
 CLIENT: _____ DATE: June 7, 2007
 PROJECT Croton Dam PROJECT #: 07-08-161

PLACEMENT DATA

LOCATION: C6, C7, C8TIME MIXED: _____ DESIGN STRENGTH REQ'D: 4,000

TIME SAMPLED: _____ AGGREGATE SIZE: _____

MIX TEMP: _____ SAMPLED FROM: _____

AIR TEMP: _____ TECHNICIAN: Justin

SUPPLIER: _____ TICKET #: _____

MORTAR TYPE

M _____ S _____ N _____ O _____

COMPRESSION STRENGTH DATA

2"x 2" cube _____ 3"x 6" cylinder X Other _____

| SPECIMEN ID NO. | DATE MOLDED | DATE TESTED | AGE DAYS | DIAMETER (INCHES) | AVG. AREA (SQ. IN.) | COMP. FAILURE LOAD | STRENGTH (PSI) | TYPE OF FRACTURE |
|--------------------|----------------|----------------|-------------|----------------------|------------------------|-----------------------|-------------------|---------------------|
| 013738-A | 06/07/07 | 06/14/07 | 7 | 4 | 4.0 | 14,160 | 3,540 | B |
| 013738-B | 06/07/07 | 06/14/07 | 7 | 4 | 4.0 | 13,180 | 3,295 | B |
| 013738-C | 06/07/07 | 07/05/07 | 28 | 4 | 4.0 | 18,090 | 4,523 | A |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

REMARKS:

- XX Samples made by AEL, representative
- ____ Samples made by others
- ____ Samples delivered to laboratory
- XX Samples picked up by AEL representative
- ____ Test results comply with applicable specifications
- ____ Test results do not comply with applicable specifications

TYPES OF FRACTURES:

- A Cone
- B Cone & Split
- C Cone & Shear
- D Shear
- E Columnar

CERTIFICATION OF COMPLIANCE: All work, unless otherwise noted, complies with approved plans, specifications and applicable sections of the building codes. All test are performed with ASTM procedures C-138, C-31, C-39, C-143, C-231 or C-173, C-172, C-1064 unless noted otherwise. This report covers the locations of the work tested only and does not constitute engineering opinion or project control.

Attachment C4 – Grout Mixers

MORETRENCH

EQUIPMENT SUMMARY SHEET

Rig Make/Model: Paddle Grout Mixer

Serial Number:

Weight:

| | |
|-----------------------------|----------|
| Tank Only: | 371 lbs |
| Tank (w/ 10 Bag Grout Mix): | 1728 lbs |
| Tank (w/ 16 Bag Grout Mix): | 2542 lbs |

Transport Dimensions

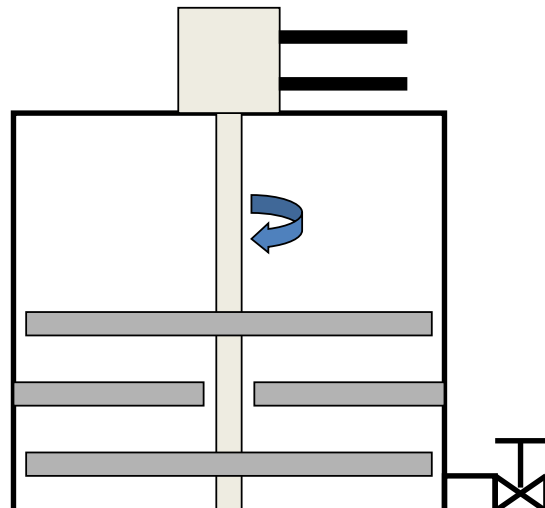
| | |
|------------------------|-----|
| Diameter: | 42" |
| Height (w/out wheels): | 33" |

10 Bag Mix

| | |
|-------------------|------------------------------|
| Bags of Cement: | 10 |
| Gallons of Water: | 50 |
| Amount of FX-32: | 40 oz. |
| Weight of Mix: | 1357 lbs |
| Volume: | 11.55 cu. ft. (86.4 gallons) |

16 Bag Mix

| | |
|-------------------|------------------------------|
| Bags of Cement: | 16 |
| Gallons of Water: | 80 |
| Amount of FX-32: | 64 oz. |
| Weight of Mix: | 2171 lbs |
| Volume: | 18.5 cu. ft. (138.4 gallons) |



[an error occurred while processing this directive]

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CG-550 Workhorse Series



CG-550 Skid Mounted - Air Powered Shown

The ChemGrout CG-550 Workhorse series includes both skid and trailer mounted grouting equipment. This workhorse unit is designed to mix and pump neat cement, bentonite, cement/bentonite, cement/sand, non-shrink, self leveling and most packaged grout mixes. These units feature a 45 gallon (170 liters) mixing tank, a 10 gallon (38 liters) holding hopper and a 8 GPM (30 LPM) progressive cavity grout pump. The balanced design of this grout plant allows continuous mixing and pumping, while the hopper is feeding the pump another batch can be mixed. The mix tank is equipped with baffles, bag breakers and variable speed high-efficiency paddles that provide rapid mixing. The tank outlet valves are large slide gates that allow the thickest materials to fall easily into the pump hopper. The grout pump is a variable speed, positive displacement, progressive cavity, rotor-stator pump. Operator controls are centrally located for efficient production. All components are easily accessible for operating, cleaning, and maintenance. The trailer mounted unit is road and job site ready equipped with leaf springs, lights and a working platform.

[Click here to see a picture of the **skid** mounted CG-555/2C4/GH gas/hydraulic grout machine:](#)

[Click here to see a picture of the **trailer** mounted CG-555/2C4/GHES gas/hydraulic grout machine:](#)

Applications include: soil & rock, void filling, waterproofing, anchor, cable, rock bolts, encasements, marine/underwater, well casing, abandon shafts/holes, post tensioning, machine base, underlayments, undersealing, slab raising & bridge rehab.

Specifications

| Model | Progressive Cavity Pump Model | Mixing Tank | Holding Hopper | Max. Output | Max. Pressure |
|-----------|-------------------------------|-------------|----------------|-------------|---------------|
| CG550/2C4 | 2 Stage, Size 4, Open Throat | 45 Gallon | 12 Gallon | 8 GPM | 174 PSI |
| CG550/3C4 | 3 Stage, Size 4, Open Throat | | | | 261 PSI |

| Model Number | Description | Dimensions | Weight |
|----------------|---|------------------------|----------|
| CG550/2C4/A | Skid Mounted Air Powered Grout Plant Requires 150 CFM, 100 PSI | 72" L X 31" W X 46" H | 700 lbs |
| CG550/2C4/H | Skid Mounted Hydraulic Powered Grout Plant Requires 12 GPM, 1200 PSI | 72" L X 31" W X 46" H | 600 lbs |
| CG550/2C4/EHT | Skid Mounted Electric/Hydraulic Grout Plant Requires 230/460 V, 36/18 A, 3 Phase | 72" L X 31" W X 46" H | 1000 lbs |
| CG550/2C4/GHES | Skid Mounted Gas/Hydraulic Grout Plant Self-Contained 13 HP Honda Gas Engine | 72" L X 31" W X 46" H | 1000 lbs |
| CG550/2C4/EHS | Skid Mounted Electric/Hydraulic Grout Plant Requires 230 V, 36 A, 1 Phase | 72" L X 31" W X 46" H | 1000 lbs |
| CG555/2C4/GHES | Trailer Mounted Gas/Hydraulic Grout Plant Self-Contained 13 HP Honda Gas Engine | 110" L X 60" W X 70" H | 1300 lbs |

Power Options = Air, Hydraulic, Electric/Hydraulic, Gas/Hydraulic or Diesel/Hydraulic

Call today for free literature, quotes or speak to a knowledgeable grouting professional.

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ChemGrout Inc.

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Phone: (708) 354-7112 • Fax: (708) 354-3881

[E-mail: info@chemgrout.com](mailto:info@chemgrout.com)



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Attachment C5 – Moyno Pump



EQUIPMENT SUMMARY SHEET

Rig Make/Model: Moyno 3L8

Serial Number:

Weight: 250 lbs

Transport Dimensions

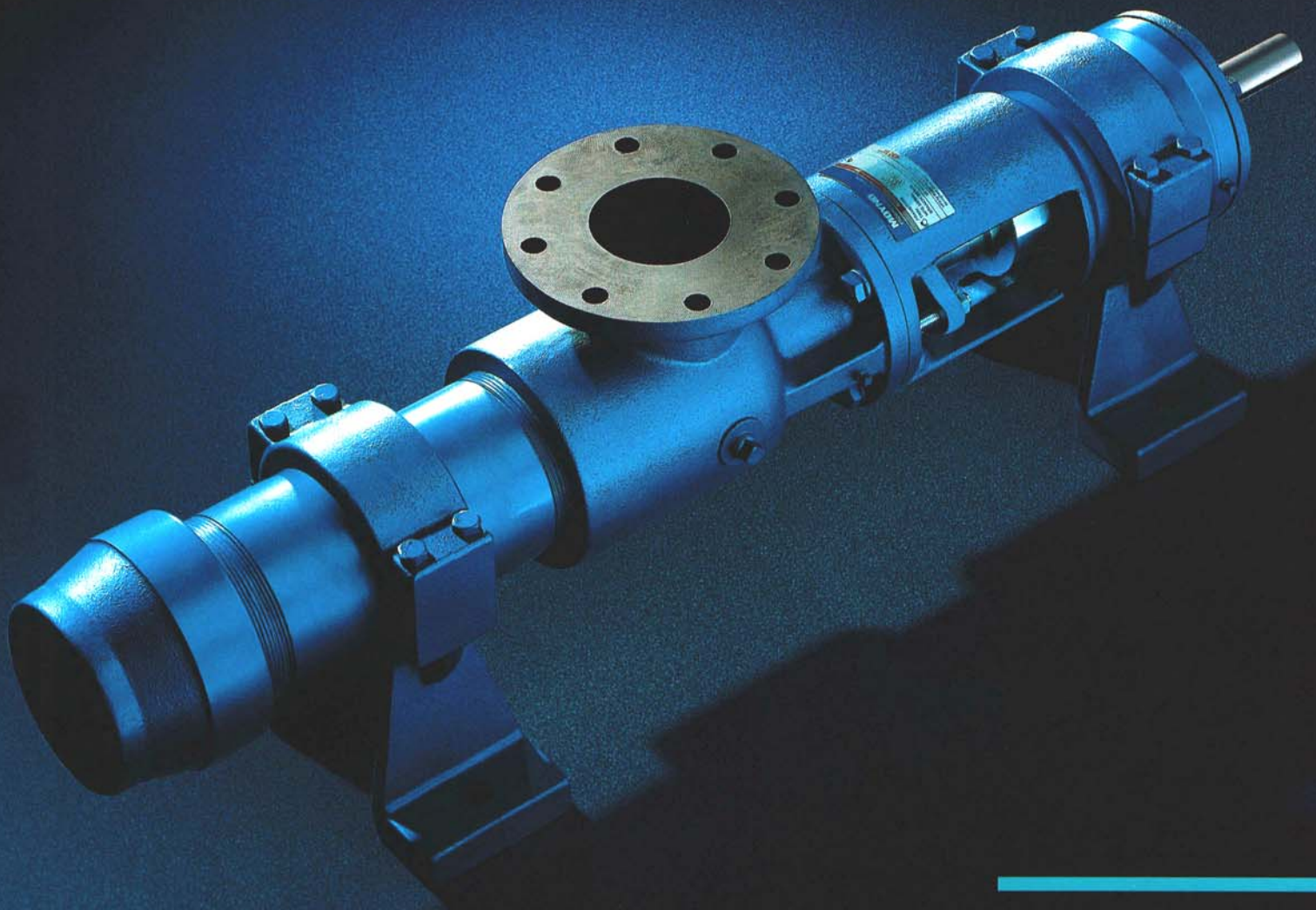
Width: 12"
Length: 7'-6"
Height: 1'-2"

Specs

Moyno Pump Model: Moyno 3L-8
Max. Pressure: 350 psi
Flow Rate (gpm): 75 gpm

Moyno® L-Frame Pumps

Classic Pumping Performance



CERTIFICATE No. 101442



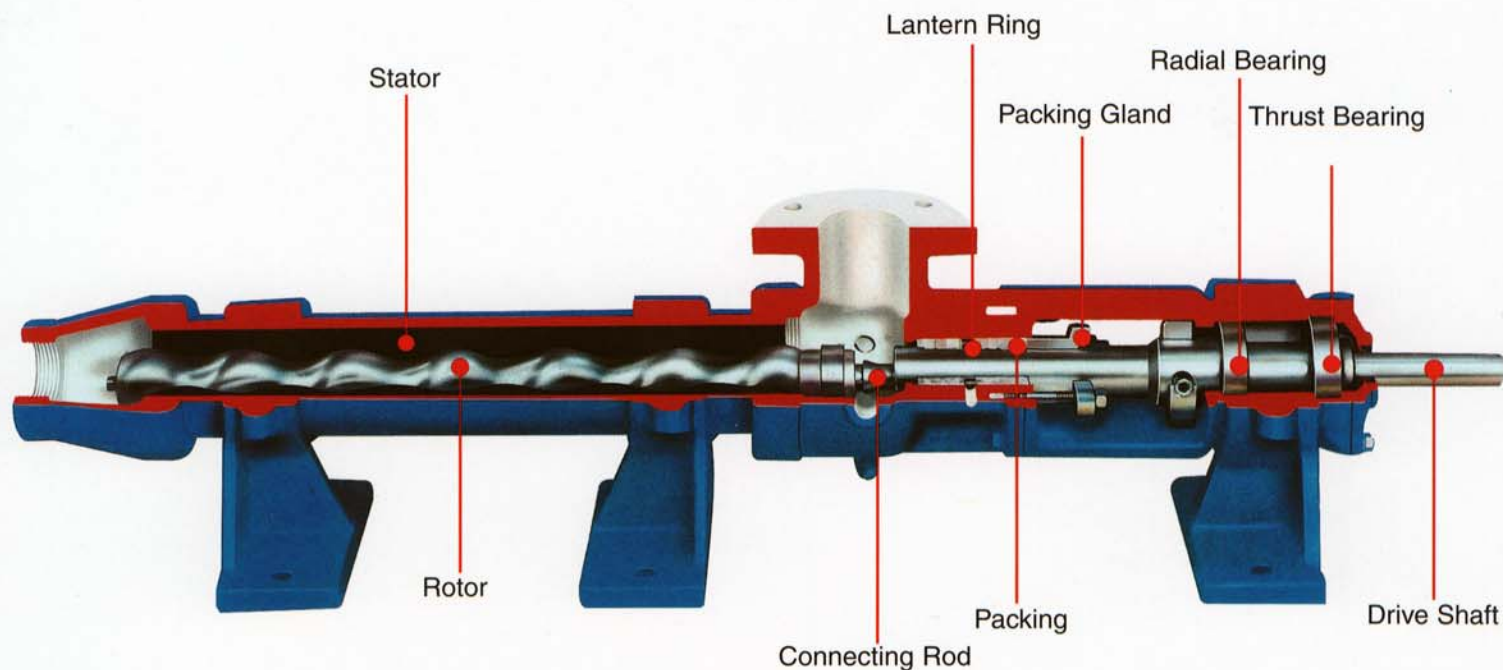
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Moyno® L, J & JS Pumps

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For nearly 50 years, Moyno L, J & JS pumps have stood the test of time meeting thousands of application challenges. Performance-enhancing and cost-saving features provide outstanding benefits that maximize operating efficiency, and save time and money.

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- Long life even handling abrasive fluids
- Vibration-free for quiet operation
- Compression fit between rotor and stator for high volumetric and mechanical efficiency
- Easy, on-site maintenance
- Handle fluid temperatures to 350°F



Moyno L, J & JS pumps now feature a wide variety of new Ultra-Shield® rotor coatings and Ultra-Flex® stator elastomers.

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- High suction lift to 28 feet
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- Positive displacement for predictable uniform flow
- Self-priming to prevent vapor or air lock
- Low shear pumping
- Handle viscosities over 1,000,000 cps

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Chemical feed
Sampling
Lime slurry

Petroleum

Crude oil
Polymers

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Ground meat emulsions
Fats and lard
Chunked fruits and fruit slurries
Tomato sauce and paste
Grain mash and spent grains

Textile

Adhesives
Pigments

General Chemical

Chemicals
Pastes and gels
Soap/Detergents
Paint

Mining

Ore slurries
Water disposal

Coal Industry

Drilling muds
Coal/water and coal/oil slurries
Recovery agents
Burner feed

Pulp & Paper

Paper
Starch
Clays
Sizing

Building Materials

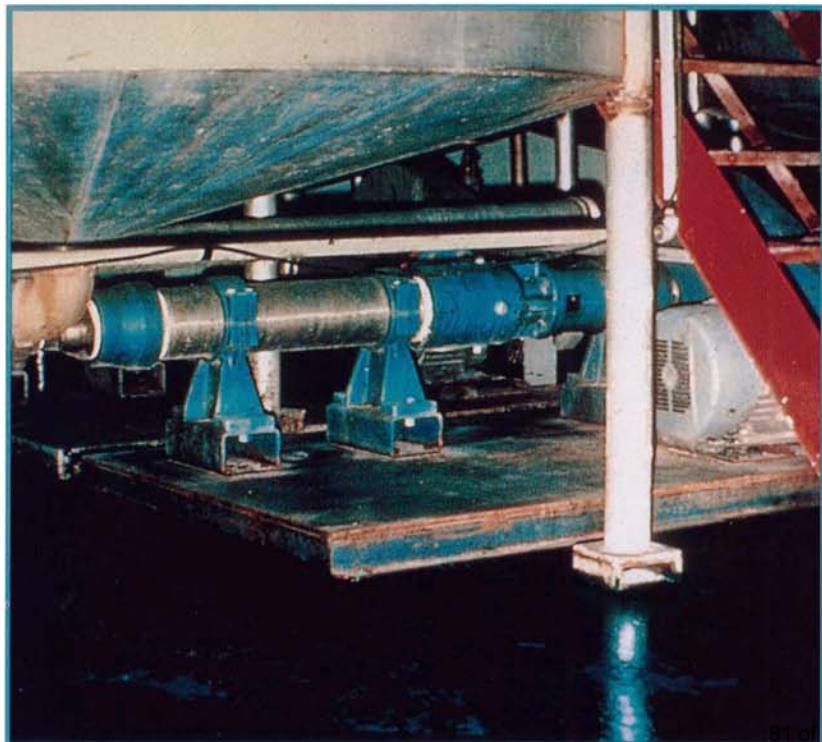
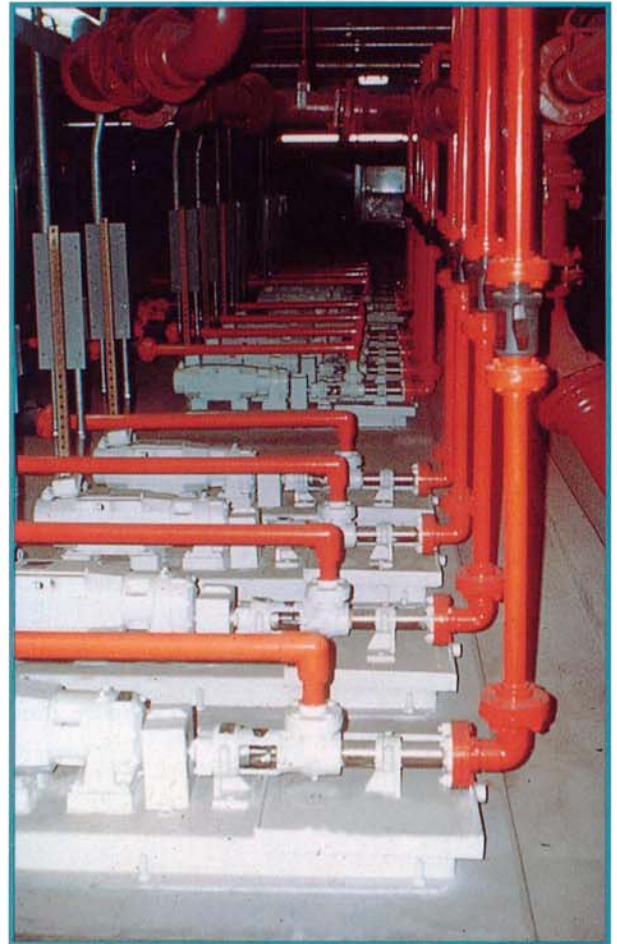
Mortar
Grout
Asphalt
Gypsum
Roofing compounds
Metal working
Coolants
Coatings
Lubricants
Sealants

Plastics and Elastomers

Polymers
Latex
Additives

General

Oil/water separations
Mastics
High-pressure water



Moyno® L, J & JS Pumps

Versatile, Rugged Pumps for Reliable Performance

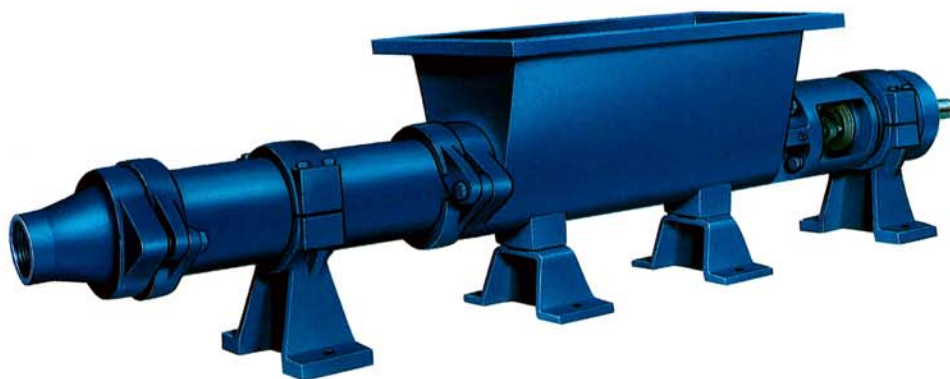
L Series Standard Flange Pumps

- Capacities to 450 gpm
- Pressures to 2,100 psi
- Simple pin-type universal joint drive assembly for easy maintenance
- Modular design
- Wide selection of materials of construction



J Series Open Throat Pumps

- Capacities to 450 gpm
- Pressures to 250 psi
- Designed for viscous and solids-laden fluids
- Wide open unobstructed suction hopper configuration
- Auger assembly for positive feed of viscous materials



JS Series Bridge Breaker Pumps

- Capacities to 450 gpm
- Pressures to 250 psi
- Handle semi-dry, caked materials, high solids content materials and suspended solids up to 1" in diameter
- "Bridge Breaker" finger mechanisms project from counter-rotating shafts mounted directly above the pump's auger feed
- Handle vertical discharges of over 100 feet



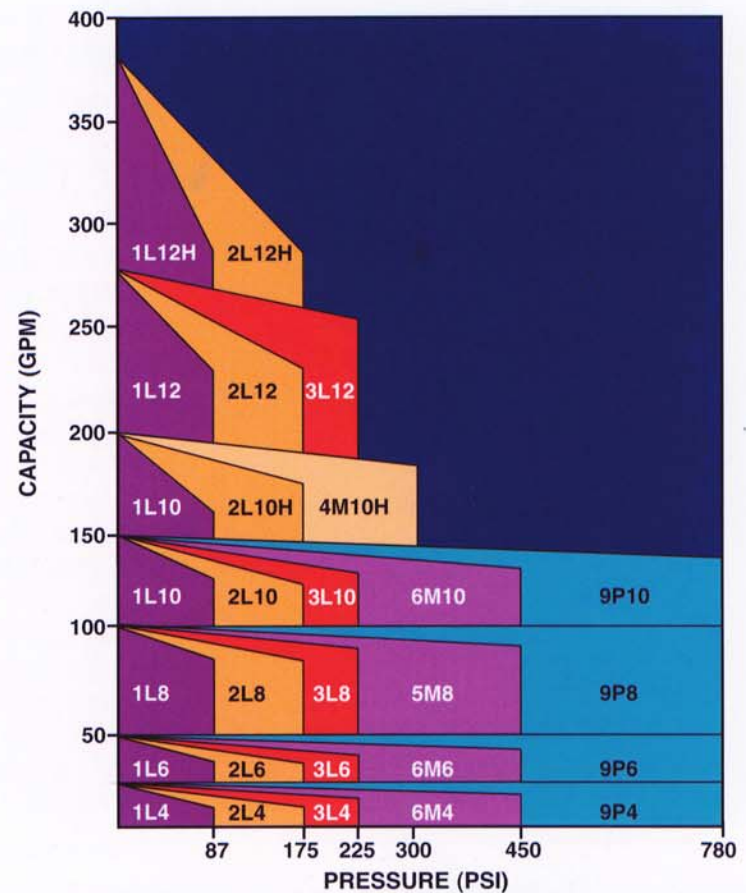
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Options

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- Mechanical seals or packing
- Electronic pump controls
 - Open and closed loop systems
 - Variable speed control
 - Metering and batching control
 - Fluid detection control
- Jacketing for critical process temperature control
- Tachometers, gauges and other accessories



| Materials of Construction | | |
|----------------------------|--|---|
| | Standard Materials | Special Materials ¹ |
| Pump Body | Cast Iron 316 Stainless Steel | Carpenter 20 Hastelloy*, Monel*** |
| Internals, Including Rotor | Alloy Steel 316 Stainless Steel | Carpenter 20 Hastelloy**, Monel*** |
| Stators | EPDM (to 260°F) Fluoroelastomer (to 350°F) Nitrile (to 210°F) Natural Rubber (to 185°F) | Viton**, Thiokol**** Hypalon**, Teflon** White Nitrile, Urethane Alloy Steel, 416 Stainless Steel |

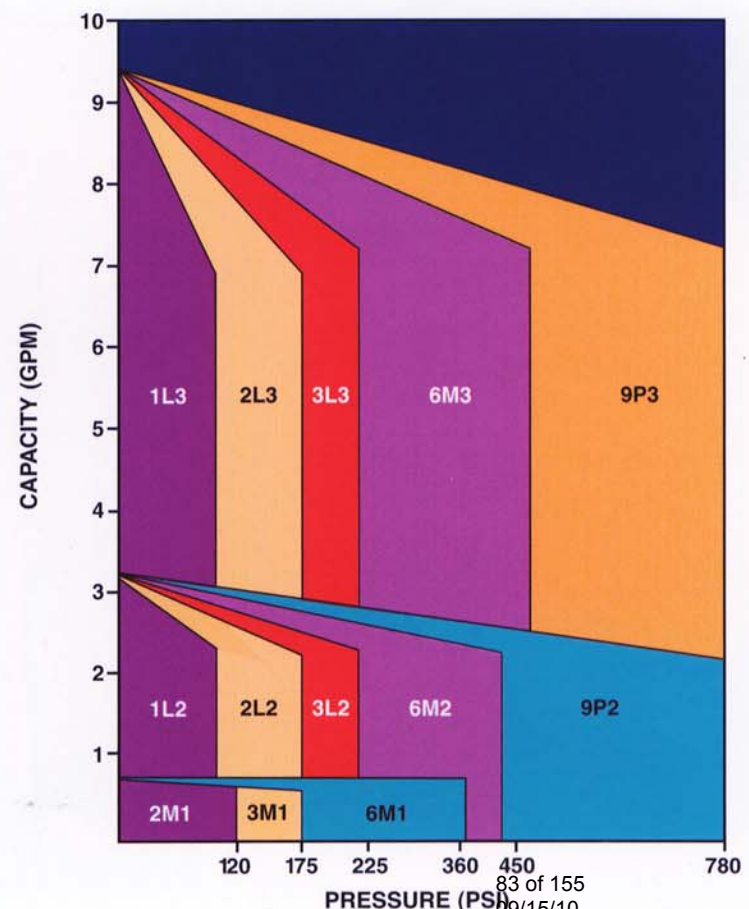
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***Monel is a trademark of Inco Alloy International®.

****Thiokol is a trademark of Thiokol Chemical Corp.

¹Other materials and special configurations available upon request.



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- Warrantied repairs
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APPENDIX D – ANCHOR DESIGN CHECK, SHOP DRAWINGS, AND LOAD TESTING

Appendix D

Design, Shop Drawings, and Load Testing

1.0 ANCHOR DESIGN

1.1 Anchor Structural Design and Bond Capacity

The owners engineer has designed the anchor layout and working loads. Anchor free lengths (L_u) will be 20 ft. Moretrench has designed the diameter, bond length, and tieback details. Design calculations are provided in Attachment D1 of this document. Per our design calculation, the minimum required bond length (L_b) for anchors with 100 kips design load is 25 feet, and for 130 or 140 kips design load is 35 feet. Moretrench will use strands in replacement of 1-3/8" diameter, 150 ksi, threaded bar. The number of strands (0.6 inch diameter Grade 270) tendons has been selected to withstand the maximum test load. The anchors with a 100 kip design load will have three (3) strands and the anchors with design load of 130 or 140 kips will have four (4) strands.

1.2 Bearing Plate Calculation

Bearing plates have been re-sized based on the design load due to increase of back to back spacing of resized wale. The anchor plates are to be Grade 36 steel plate 10-inch square by 1-3/4 inch thick. Detailed calculations are listed in Attachment D1.

2.0 SHOP DRAWINGS

Shop Drawings are located in Attachment D2. Full size Shop Drawings will be submitted under separate cover.

3.0 PERFORMANCE AND PROOF TESTING

As indicated on contract drawings as well as our Shop Drawings, all tieback anchors will be either performance tested or proof tested to 133% of the proposed design load after grout has cured 3 days. Performance tests will be conducted on four (4) "test" anchors at locations to be selected by Moretrench. The balance of the anchors will be proof tested. The performance and proof tests will be conducted as detailed on Shop Drawings and in general accordance with PTI (2004). A sample of performance and proof test schedule can be found in Attachment D3.

All testing will be performed at the intervals specified on the Shop Drawings using recently calibrated hydraulic jack and pressure gauge (Attachment D4). Moretrench will submit jack and

pressure gauge calibrations prior to testing under separate cover. Dial indicators will be used to measure anchor movement.

Loads will be applied such that the hydraulic jack will pull anchor tendon in tension as the reaction load is transferred from the jack to the chair and steel plates bearing. After testing, the anchors will be locked off at 100% of the anchor design load, but not more than 0.70 GUTS as per PTI.

Based on the anticipated tieback anchor design, behavior, and testing methods described above, minimum tendon elongation (e_{min}) will be the controlling factor. Reaching minimum elongation is an indicator that the desired zone of geotechnical resistance has been mobilized in the soil mass.

4.0 LIFT-OFF TESTING AND POST-STRESSING LOSSES

Lift-off tests will be performed on anchors immediately after the initial lock-off. Lift-off tests will confirm post-stressing losses and will be performed and evaluated in accordance with the Specifications and PTI (2004). Per PTI, acceptance criteria shall be such that the lift-off reading is within 5% of the designed lock-off load. In the event that the lift-off acceptance criteria are not met, Moretrench reserves the right to reset anchor lock-off and repeat lift-off test procedure until the criteria is met.

5.0 ACCEPTANCE CRITERIA

Four (4) anchors, selected by Moretrench, will be performance and lift-off tested while the remaining anchors will be proof tested as described above and indicated on the Shop Drawings. Per PTI (2004), anchors are acceptable if the following criteria are met:

- 5.1 The total elastic movement obtained at the maximum test load from the performance or proof test should exceed 80% of the theoretical elastic elongation of the stressing length.
- 5.2 The total elastic movement obtained at the maximum test load from the performance and proof test is less than the theoretical elastic elongation of the stressing length plus 50% of the bond length. However, anchors with longer apparent free lengths shall not be rejected if the cause of the behavior has been investigated and satisfactorily explained. This criterion assumes uniform load distribution to occur which often does not occur due to the heterogeneous soil / rock profile and properties.
- 5.3 The creep amount shall not exceed 0.080 in. at test load during the period of 6 to 60 minutes.
- 5.4 The lift-off tests within 5% of lock-off load.

Attachment DI – Tieback Design Calculation

PROJECT: HONEYWELLPAGE 1 of 11CLIENT: SEVENSON ENVIRONMENTALBY yt DATE 8/11/10LOCATION: JARSEY CITY, NJ

CK _____ DATE _____

SUBJECT: TIEBACK BOND LENGTH AND DETAIL DESIGN

THE PURPOSE OF THIS CALCULATION IS TO DETERMINE THE BOND LENGTH REQUIRED FOR THE PROPOSED TIEBACKS TO RESIST THE STRUCTURAL DESIGN LOAD. ALSO, TO DETERMINE NUMBER OF STRANDS INSTEAD OF $1\frac{3}{8}$ " EPOXY 150 THREADED BAR.

GIVEN PARAMETERS

1) TIEBACKS DESIGN LOAD

$P = 100, 130, \text{ AND } 140 \text{ KIPS}$ (SEE CONTRACT DRAWING SHEET S-114, S-115, AND S-131)

TIEBACK FREE LENGTH

$L_f = 20 \text{ ft}$ (SEE CONTRACT DRAWING SHEET S-131)

TIEBACK INCINATION

$\theta_1 = 30^\circ$ (SEE CONTRACT DRAWING SHEET S-131)

$\theta_2 = 45^\circ$

THE ATTACHED soil profiles and cross sections are developed based on the contract structural drawing sheet S-114, S-115, and S-131 dated 5/6/10 as well as subsurface investigation report for Honeywell study areas dated 12/21/07. THESE cross sections are developed to demonstrate the location of the proposed anchor bond zone with respect to soil stratum.

Based on these sketches, the bond zone of the proposed tiebacks (soil anchors) is positioned within stratum S2 which is defined as RED-BROWN FINE TO MEDIUM SAND, TRACE SILT TO SILTY, TRACE COARSE SAND, GRAVEL, CLAY, CLAYEY SILT POCKETS, FINE SANDY SILT SEAMS. THE CORRESPONDING SPT PENETRATION RESISTANCE VALUES FOR THIS STRATUM RANGES FROM 16 TO 78 BLOWS PER INCH WITH AN AVERAGE OF 34.

Based on the range of N values indicated above, THIS STRATUM MAY BE CLASSIFIED AS A DENSE TO VERY DENSE SILTY SAND

PROJECT: HONEYWELLPAGE 2 of 11CLIENT: SEVENSON ENVIRONMENTALBY y.t. DATE 8/11/10LOCATION: JARSEY CITY, NJ

CK _____ DATE _____

SUBJECT: TIEBACK BOND LENGTH AND DETAIL DESIGN

THE BOND LENGTH OF THE ANCHOR CAN BE CALCULATED USING THE FOLLOWING EQUATION:

$$L_b = \frac{P}{\pi d \tau_w}$$

[SEE SECTION 6.7.2.3 OF PTI RECOMMENDATIONS
FOR PRESTRESSED ROCK AND SOIL ANCHORS (PTI)]

WHERE

L_b = BOND LENGTH

P = DESIGN LOAD FOR THE ANCHOR

π = 3.14

d = DIAMETER OF DRILL HOLE

τ_w = WORKING BOND STRESS ALONG THE INTERFACE BETWEEN SOIL AND GROUT

BASED ON TABLE 6.3 OF PTI, THE TYPICAL AVERAGE ULTIMATE BOND STRESS BETWEEN GROUT AND SOIL IN PARTICULAR SILTY SAND RANGES FROM 25 TO 60 PSI. SEE THE ATTACHMENTS FOR TABLE 6.3.

ASSUME THE ULTIMATE BOND STRESS OF 44 PSI SINCE SILTY SAND IS DENSE.

ASSUME FACTOR OF SAFETY OF 2

$$\tau_w = \frac{44}{2} = 22 \text{ PSI}$$

ASSUME DRILL HOLE DIAMETER OF 5 INCH OR LARGER

$$P = 100 \text{ KIPS}$$

$$P = 140 \text{ KIPS}$$

$$L_b = \frac{100 \text{ KIPS}}{(\pi)(5 \text{ in})(22 \text{ PSI})\left(\frac{12 \text{ in}}{1 \text{ ft}}\right)}$$

$$L_b = \frac{140 \text{ KIPS}}{(\pi)(5 \text{ in})(22 \text{ PSI})\left(\frac{12 \text{ in}}{1 \text{ ft}}\right)}$$

$$L_b = 24.1 \text{ USE } 25 \text{ ft}$$

$$L_b = 33.8 \text{ USE } 35 \text{ ft}$$

PROJECT: HONEYWELLPAGE 3 of 11CLIENT: SEVENSON ENVIRONMENTALBY Y.T DATE 8/11/10LOCATION: JERSEY CITY, NJ

CK _____ DATE _____

SUBJECT: TIEBACK BOND LENGTH AND DETAIL DESIGN

TANDON:

UTILIZING 0.6 DIAMETER 7 WIRE, 270 KSI CONFORMING ASTM A 416

$$0.6 F_{pu} = 35.2 \text{ Kips}$$

$$0.8 F_{pu} = 46.9 \text{ Kips}$$

DESIGN LOAD :

$$D_L = 100, 130, \text{ AND } 140 \text{ KIPS}$$

MINIMUM REQUIRED NUMBER OF STRAND TANDONS

$$\frac{100}{35.2} = 2.84 \text{ USE } 3$$

$$\frac{130}{35.2} = 3.69 \text{ USE } 4$$

$$\frac{140}{35.2} = 3.97 \text{ USE } 4$$

CHECK THE TENDONS FOR TEST LOAD AT 133% DL

$$\begin{aligned} 3 \times 0.8 F_{pu} &> 133\% \text{ DL} \\ 3 \times 46.9 \text{ Kips} &> 133 \times 100 \\ 140.7 \text{ Kips} &> 133 \text{ Kips} \\ &\text{OK } \checkmark \end{aligned}$$

$$\begin{aligned} 4 \times 0.8 F_{pu} &> 133\% \text{ DL} \\ 4 \times 46.9 &> 133 \times 140 \\ 187.6 \text{ Kips} &> 186.2 \text{ Kips } \checkmark \\ &\text{OK} \end{aligned}$$

MORETRENCH

MORETRENCH CONTRACT # 71-84xx

PROJECT: _____

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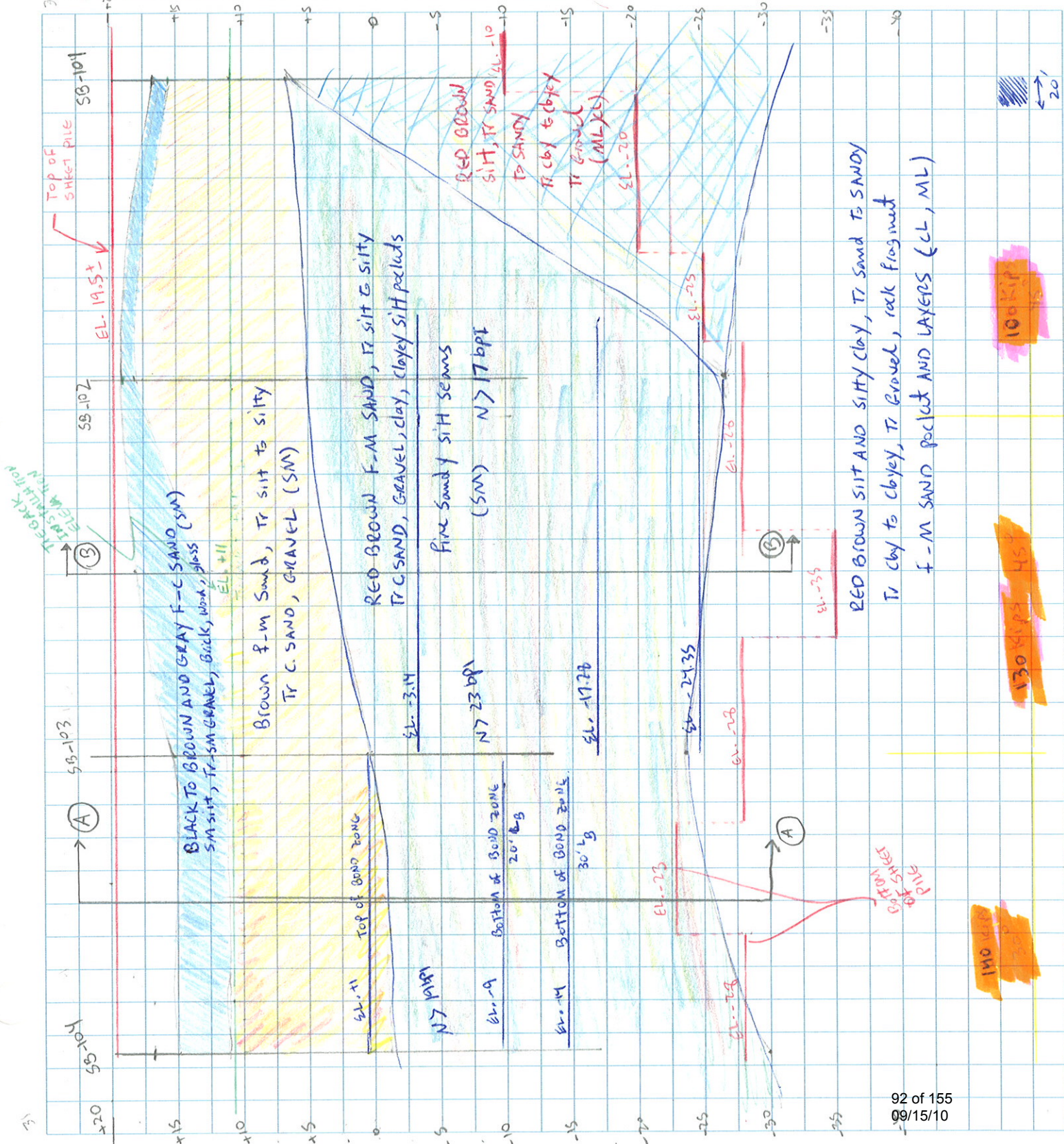
CLIENT: _____

BY y.t. DATE 8/11/10

LOCATION: _____

CK _____ DATE _____

SUBJECT:



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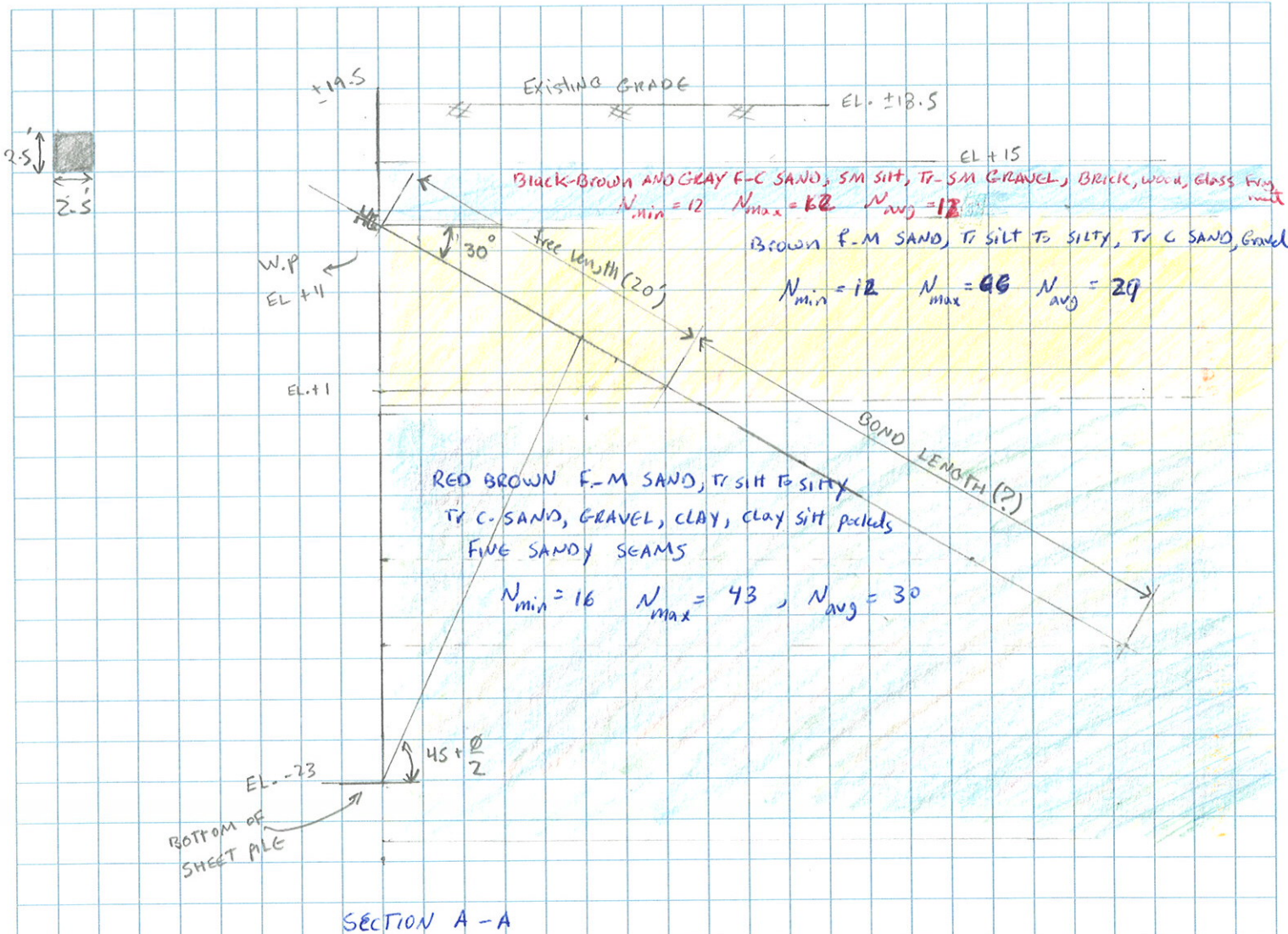
CLIENT: _____

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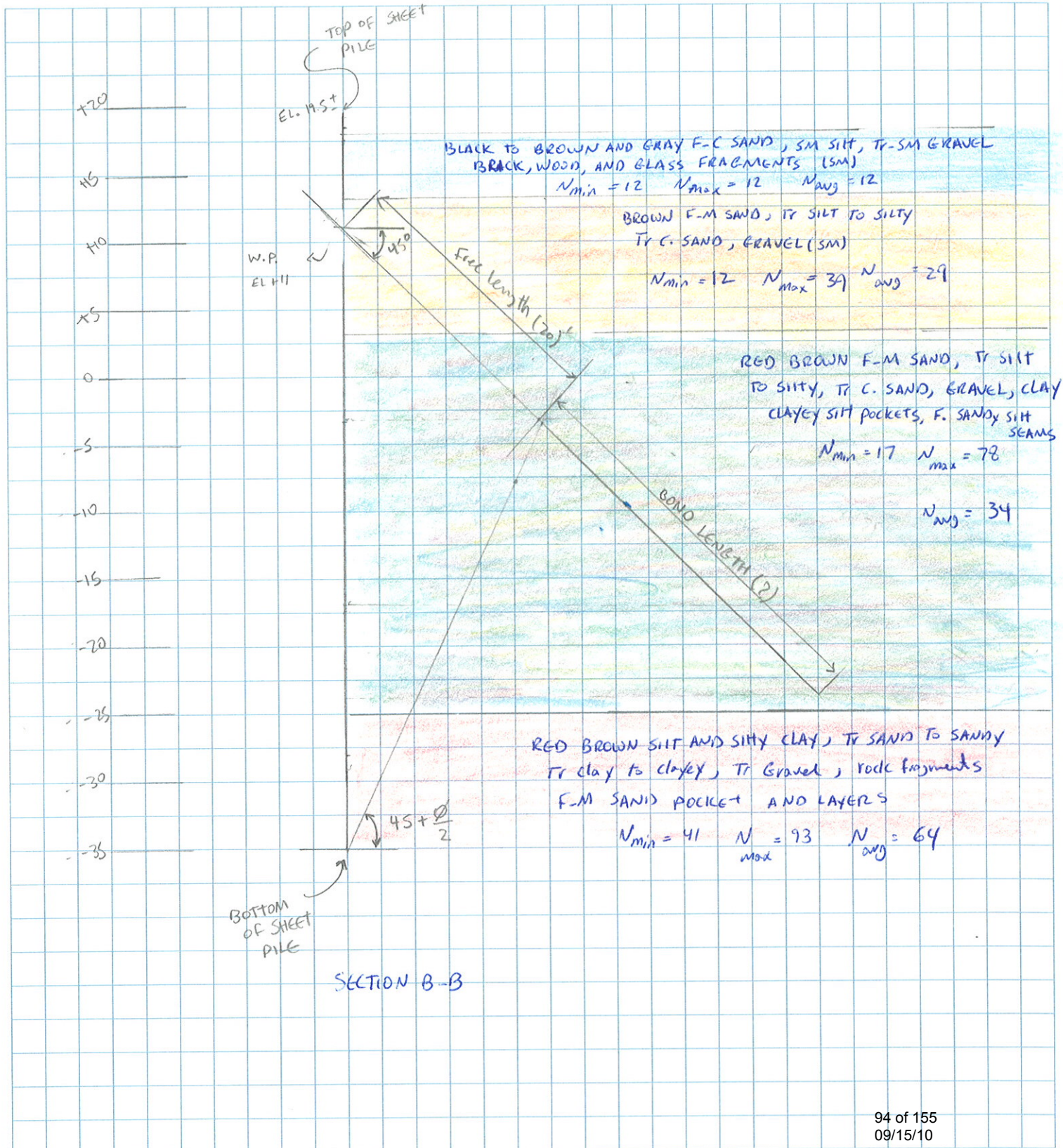
CLIENT: _____

BY Y.T DATE 8/11/10

LOCATION: _____

CK _____ DATE _____

SUBJECT: _____



PTI Recommendations for Prestressed Soil and Rock Anchors (2004) Tables 6.1, 6.2, and 6.3 – Typical Average Ultimate Bond Stresses

Table 6.1 Typical Average Ultimate Bond Stresses-Rock/Grout

| ROCK | AVERAGE ULTIMATE BOND STRESS-ROCK/GROUT | |
|----------------------|---|-----------|
| | MPa | PSI |
| Granite & Basalt | 1.7 - 3.1 | 250 - 450 |
| Dolomite Limestone | 1.4 - 2.1 | 200 - 300 |
| Soft Limestone | 1.0 - 1.4 | 150 - 200 |
| Slates & Hard Shales | 0.8 - 1.4 | 120 - 200 |
| Soft Shales | 0.2 - 0.8 | 30 - 120 |
| Sandstones | 0.8 - 1.7 | 120 - 250 |
| Weathered Sandstones | 0.7 - 0.8 | 100 - 120 |
| Chalk | 0.2 - 1.1 | 30 - 155 |
| Weathered Marl | 0.15 - 0.25 | 25 - 35 |
| Concrete | 1.4 - 2.8 | 200 - 400 |

Table 6.2 Typical Average Ultimate Bond Stresses-Cohesive Soils

| ANCHOR TYPE | AVERAGE ULTIMATE BOND STRESS-SOIL/GROUT | |
|--|---|---------|
| | MPa | PSI |
| Gravity Grouted Anchors (Straight Shaft) | 0.03 - 0.07 | 5 - 10 |
| Pressure Grouted Anchors (Straight Shaft) | | |
| - Soft Silty Clay | 0.03 - 0.07 | 5 - 10 |
| - Silty Clay | 0.03 - 0.07 | 5 - 10 |
| - Stiff Clay, Medium to High Plasticity | 0.03 - 0.10 | 5 - 15 |
| - Very Stiff Clay, Medium to High Plasticity | 0.07 - 0.17 | 10 - 25 |
| - Stiff Clay, Medium Plasticity | 0.10 - 0.25 | 15 - 25 |
| - Very Stiff Clay, Medium Plasticity | 0.14 - 0.35 | 20 - 50 |
| - Very Stiff Sandy Silt, Medium Plasticity | 0.28 - 0.38 | 40 - 55 |

Note: Actual values for pressure grouted anchors depend on the ability to develop pressures in each soil type.

Table 6.3 Typical Average Ultimate Bond Stresses-Cohesionless Soils

| ANCHOR TYPE | AVERAGE ULTIMATE BOND STRESS-SOIL/GROUT | |
|--|---|----------|
| | MPa | PSI |
| Gravity Grouted Anchors (Straight Shaft) | 0.07 - 0.14 | 10 - 20 |
| Pressure Grouted Anchors (Straight Shaft) | | |
| - Fine-Med. Sand, Med. Dense - Dense | 0.08 - 0.38 | 12 - 55 |
| - Med.-Coarse Sand (w/ gravel), Med. Dense | 0.11 - 0.66 | 16 - 95 |
| - Med.-Coarse Sand (w/ gravel), Dense - Very Dense | 0.25 - 0.97 | 35 - 140 |
| - Silty Sands | 0.17 - 0.41 | 25 - 60 |
| - Dense Glacial Till | 0.30 - 0.52 | 43 - 75 |
| - Sandy Gravel, Medium Dense - Dense | 0.21 - 1.38 | 31 - 200 |
| - Sandy Gravel, Dense - Very Dense | 0.28 - 1.38 | 40 - 200 |

Note: Actual values for pressure grouted anchors depend on the ability to develop pressures in each soil type.

PROJECT: HONEYWELL

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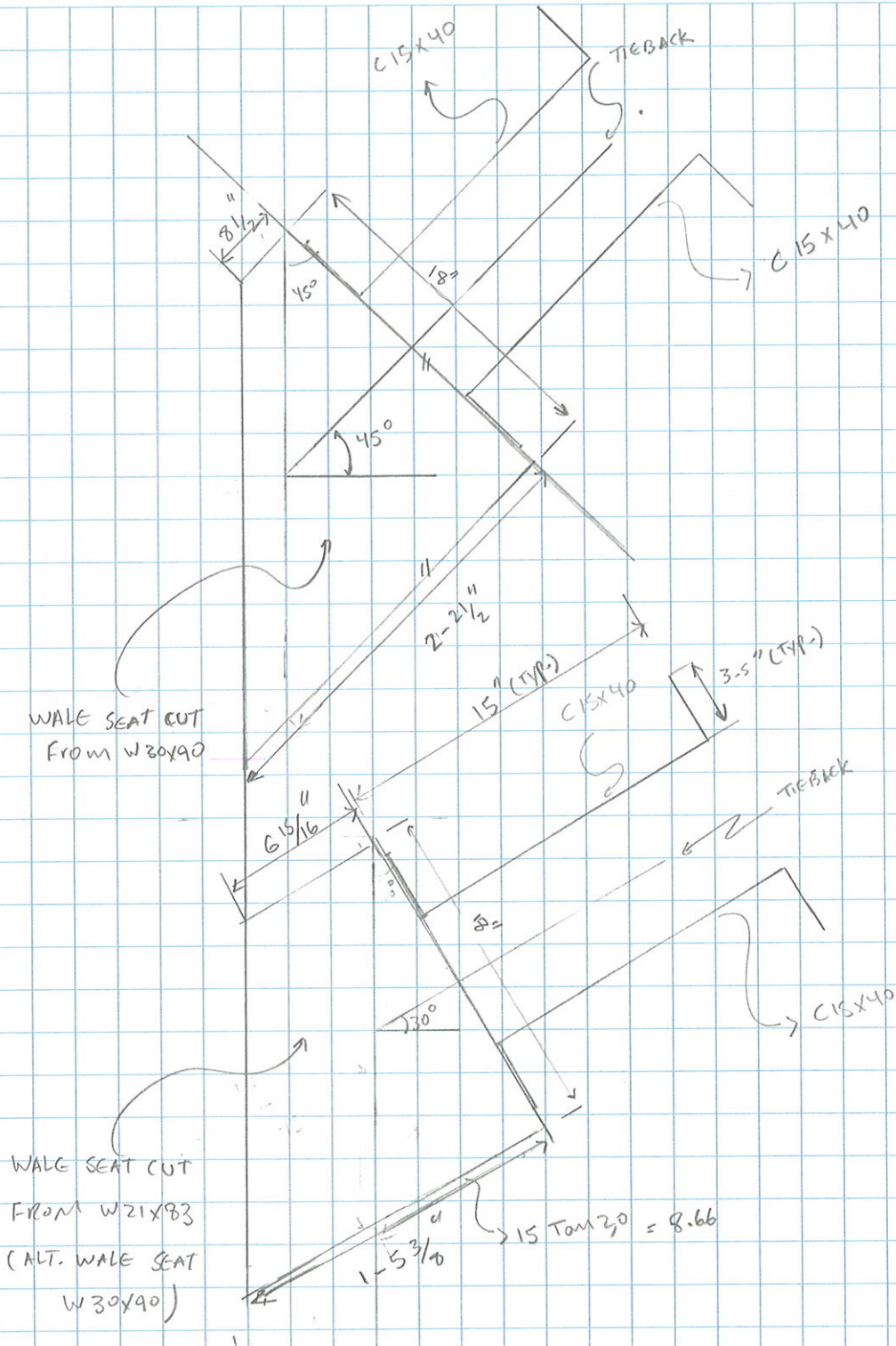
CLIENT: SEVENSON ENVIRONMENTAL

BY Y.T. DATE 8/11/10

LOCATION: JARSEY CITY, NJ

CK _____ DATE _____

SUBJECT: WALE AND WALE SEAT SIZE AND DIMENSION



PROJECT: HONEYWELL
 CLIENT: SEVENSON ENVIRONMENTAL
 LOCATION: JARSEY CITY, NJ
 SUBJECT: WALD DESIGN FOR WALE SEAT

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DETERMINE THE REQUIRED WELD SIZE AND LENGTH FOR WALE BRACKET

CONSIDER E70XX ELECTRODES FOR WELDED CONNECTION OF WALE BRACKET
 $F_{E70} = 70 \text{ KSI}$

UNDER TIEBACK DESIGN LOAD (P), THE VERTICAL LOAD TRANSFERRED TO WALE BRACKET IS A FUNCTION OF INCLINATION. $P_v = P \sin \theta$

TIEBACK INCLINATION:

$$\theta_1 = 30^\circ$$

$$\theta_2 = 45^\circ$$

CORRESPONDING TIEBACK DESIGN LOAD FOR EACH INCLINATION

$$\theta_1 = 30^\circ \rightarrow P_1 = 140 \text{ KIPS}$$

$$\theta_2 = 45^\circ \rightarrow \begin{cases} P_2 = 100 \text{ KIPS} \\ P_3 = 130 \text{ KIPS} \end{cases}$$

$$P_{v1} = 140 \sin 30^\circ = 70 \text{ KIP}$$

$$P_{v2} = 100 \sin 45^\circ = 70.7 \text{ KIP}$$

$$P_{v3} = 130 \sin 45^\circ = 92.0 \text{ KIP}$$

$$\text{ALLOWABLE LOAD } (R_v) = 0.3 F_{E70} \left(\frac{\sqrt{2}}{2} \right) \left(\frac{D}{16} \right) L$$

D = FILLET WIDTH IN 16TH

L = WELD LENGTH

$$\frac{R_v}{L} = 0.928 D \text{ KIPS/IN}$$

SEE ATTACHED CHARTS FOR THE MINIMUM REQUIRED WELD LENGTH FOR

5/16 WELD WIDTH.

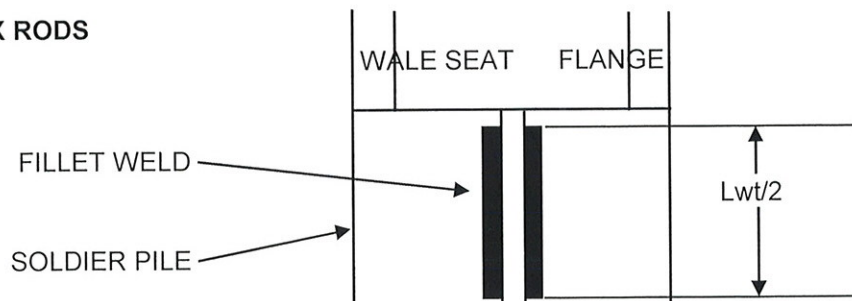
WALE SEAT WELDING TABLE

REQUIRED MIN. TOTAL LENGTH, Lwt, OF WELDING (INCHES) NEEDED
GIVEN TIEBACK DESIGN LOAD AND ANGLE OF INCLINATION
(FOR VERT. SHEAR LOAD ONLY)

FILLET WELD SIZE = 5/16 inches

| Tieback Load (Kips) | Tieback Angle of Inclination (degrees) | | | | | | |
|---------------------|--|----|----|----|----|----|----|
| | 15 | 20 | 25 | 30 | 35 | 40 | 45 |
| 30 | 2 | 3 | 3 | 4 | 4 | 5 | 5 |
| 40 | 3 | 3 | 4 | 5 | 5 | 6 | 7 |
| 50 | 3 | 4 | 5 | 6 | 7 | 7 | 8 |
| 60 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| 70 | 4 | 6 | 7 | 8 | 9 | 10 | 11 |
| 80 | 5 | 6 | 8 | 9 | 10 | 12 | 13 |
| 90 | 6 | 7 | 9 | 10 | 12 | 13 | 14 |
| 100 | 6 | 8 | 10 | 11 | 13 | 14 | 16 |
| 110 | 7 | 9 | 11 | 12 | 14 | 16 | 17 |
| 120 | 7 | 9 | 11 | 13 | 15 | 17 | 19 |
| 130 | 8 | 10 | 12 | 15 | 17 | 19 | 20 |
| 140 | 8 | 11 | 13 | 16 | 18 | 20 | 22 |
| 150 | 9 | 12 | 14 | 17 | 19 | 21 | 23 |
| 160 | 9 | 12 | 15 | 18 | 20 | 23 | 25 |
| 170 | 10 | 13 | 16 | 19 | 22 | 24 | 26 |
| 180 | 11 | 14 | 17 | 20 | 23 | 25 | 28 |
| 190 | 11 | 15 | 18 | 21 | 24 | 27 | 29 |
| 200 | 12 | 15 | 19 | 22 | 25 | 28 | 31 |
| 210 | 12 | 16 | 20 | 23 | 26 | 30 | 33 |
| 220 | 13 | 17 | 21 | 24 | 28 | 31 | 34 |
| 230 | 13 | 17 | 21 | 25 | 29 | 32 | 36 |
| 240 | 14 | 18 | 22 | 26 | 30 | 34 | 37 |
| 250 | 14 | 19 | 23 | 27 | 31 | 35 | 39 |
| 260 | 15 | 20 | 24 | 29 | 33 | 37 | 40 |
| 270 | 16 | 20 | 25 | 30 | 34 | 38 | 42 |
| 280 | 16 | 21 | 26 | 31 | 35 | 39 | 43 |
| 290 | 17 | 22 | 27 | 32 | 36 | 41 | 45 |
| 300 | 17 | 23 | 28 | 33 | 38 | 42 | 46 |
| 310 | 18 | 23 | 29 | 34 | 39 | 43 | 48 |
| 320 | 18 | 24 | 30 | 35 | 40 | 45 | 49 |

ASSUMPTIONS: E70XX RODS



| | | | | | |
|-------------------|-----|--|-----|---|------------------|
| MORETRENCH | | Moretrench American Corp. | | BEARING PLATE DESIGN | |
| | | 100 Stickley Ave Rockaway, NJ 08766 | | v2.01 | |
| | | Allow 20% overstress in bending (Y/N)? | | Y | |
| Code: | Fy= | 36.0 | KSI | ASTM A36 | SPAN = 6.00 IN. |
| AISC | Fp= | 32.4 | KSI | DSI ANCHOR HEADS - # STRAND (4/7/9/12)? | |
| | Fb= | 32.4 | KSI | HOLE DIA. = 3.375 | HEAD O.D. = 4.69 |

* Includes 20% overstress for temporary loading

MINIMUM PLATE THICKNESS REQUIRED

| D.L. (KIPS) | SQUARE PLATE SIZE (INCHES) | | | | | | | | |
|----------------|----------------------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 7 | 7.5 | 8 | 8.5 | 9 | 9.5 | 10 | 10.5 | 11 |
| 100 | 1.673 | 1.568 | 1.481 | 1.407 | 1.343 | 1.287 | 1.237 | 1.193 | 1.153 |
| | 1-3/4 | 1-5/8 | 1-1/2 | 1-1/2 | 1-3/8 | 1-3/8 | 1-1/4 | 1-1/4 | 1-1/4 |
| | 19.9 | 21.8 | 23.4 | 26.9 | 28.1 | 31.7 | 32.3 | 35.9 | 39.7 |
| 105 | 1.723 | 1.615 | 1.525 | 1.449 | 1.383 | 1.326 | 1.275 | 1.229 | 1.188 |
| | 1-3/4 | 1-5/8 | 1-5/8 | 1-1/2 | 1-1/2 | 1-3/8 | 1-3/8 | 1-1/4 | 1-1/4 |
| | 19.9 | 21.8 | 25.4 | 26.9 | 30.6 | 31.7 | 35.5 | 35.9 | 39.7 |
| 110 | 1.773 | 1.662 | 1.570 | 1.491 | 1.423 | 1.364 | 1.311 | 1.265 | 1.222 |
| | 1-7/8 | 1-3/4 | 1-5/8 | 1-1/2 | 1-1/2 | 1-3/8 | 1-3/8 | 1-3/8 | 1-1/4 |
| | 21.3 | 23.5 | 25.4 | 26.9 | 30.6 | 31.7 | 35.5 | 39.5 | 39.7 |
| 115 | 1.823 | 1.709 | 1.614 | 1.533 | 1.463 | 1.402 | 1.348 | 1.300 | 1.257 |
| | 1-7/8 | 1-3/4 | 1-5/8 | 1-5/8 | 1-1/2 | 1-1/2 | 1-3/8 | 1-3/8 | 1-3/8 |
| | 21.3 | 23.5 | 25.4 | 29.2 | 30.6 | 34.6 | 35.5 | 39.5 | 43.7 |
| 120 | 1.872 | 1.755 | 1.658 | 1.575 | 1.503 | 1.440 | 1.385 | 1.336 | 1.291 |
| | 1-7/8 | 1-7/8 | 1-3/4 | 1-5/8 | 1-5/8 | 1-1/2 | 1-1/2 | 1-3/8 | 1-3/8 |
| | 21.3 | 25.2 | 27.3 | 29.2 | 33.2 | 34.6 | 38.7 | 39.5 | 43.7 |
| 125 | 1.922 | 1.802 | 1.702 | 1.616 | 1.543 | 1.479 | 1.422 | 1.371 | 1.325 |
| | 2 | 1-7/8 | 1-3/4 | 1-5/8 | 1-5/8 | 1-1/2 | 1-1/2 | 1-3/8 | 1-3/8 |
| | 22.7 | 25.2 | 27.3 | 29.2 | 33.2 | 34.6 | 38.7 | 39.5 | 43.7 |
| 130 | 1.972 | 1.848 | 1.746 | 1.658 | 1.583 | 1.517 | 1.458 | 1.406 | 1.359 |
| | 2 | 1-7/8 | 1-3/4 | 1-3/4 | 1-5/8 | 1-5/8 | 1-1/2 | 1-1/2 | 1-3/8 |
| | 22.7 | 25.2 | 27.3 | 31.4 | 33.2 | 37.5 | 38.7 | 43.1 | 43.7 |
| 135 | 2.021 | 1.895 | 1.790 | 1.700 | 1.623 | 1.555 | 1.495 | 1.442 | 1.394 |
| | 2-1/8 | 2 | 1-7/8 | 1-3/4 | 1-5/8 | 1-5/8 | 1-1/2 | 1-1/2 | 1-1/2 |
| | 24.1 | 26.8 | 29.3 | 31.4 | 33.2 | 37.5 | 38.7 | 43.1 | 47.7 |
| 140 | 2.071 | 1.942 | 1.834 | 1.742 | 1.663 | 1.593 | 1.532 | 1.477 | 1.428 |
| | 2-1/8 | 2 | 1-7/8 | 1-3/4 | 1-3/4 | 1-5/8 | 1-5/8 | 1-1/2 | 1-1/2 |
| | 24.1 | 26.8 | 29.3 | 31.4 | 35.8 | 37.5 | 42.0 | 43.1 | 47.7 |
| 145 | 2.121 | 1.988 | 1.878 | 1.784 | 1.703 | 1.632 | 1.569 | 1.513 | 1.462 |
| | 2-1/8 | 2 | 2 | 1-7/8 | 1-3/4 | 1-3/4 | 1-5/8 | 1-5/8 | 1-1/2 |
| | 24.1 | 26.8 | 31.2 | 33.7 | 35.8 | 40.3 | 42.0 | 46.7 | 47.7 |
| 150 | 2.171 | 2.035 | 1.922 | 1.826 | 1.743 | 1.670 | 1.606 | 1.549 | 1.497 |
| | 2-1/4 | 2-1/8 | 2 | 1-7/8 | 1-3/4 | 1-3/4 | 1-5/8 | 1-5/8 | 1-1/2 |
| | 25.6 | 28.5 | 31.2 | 33.7 | 35.8 | 40.3 | 42.0 | 46.7 | 47.7 |
| 155 | 2.221 | 2.082 | 1.967 | 1.868 | 1.783 | 1.709 | 1.643 | 1.584 | 1.532 |
| | 2-1/4 | 2-1/8 | 2 | 1-7/8 | 1-7/8 | 1-3/4 | 1-3/4 | 1-5/8 | 1-5/8 |
| | 25.6 | 28.5 | 31.2 | 33.7 | 38.3 | 40.3 | 45.2 | 46.7 | 51.6 |
| 160 | 2.272 | 2.130 | 2.011 | 1.911 | 1.824 | 1.748 | 1.680 | 1.620 | 1.566 |
| | 2-3/8 | 2-1/4 | 2-1/8 | 2 | 1-7/8 | 1-3/4 | 1-3/4 | 1-5/8 | 1-5/8 |
| | 27.0 | 30.2 | 33.2 | 35.9 | 38.3 | 40.3 | 45.2 | 46.7 | 51.6 |
| 165 | 2.322 | 2.177 | 2.056 | 1.953 | 1.864 | 1.787 | 1.718 | 1.657 | 1.601 |
| | 2-3/8 | 2-1/4 | 2-1/8 | 2 | 1-7/8 | 1-7/8 | 1-3/4 | 1-3/4 | 1-5/8 |
| | 27.0 | 30.2 | 33.2 | 35.9 | 38.3 | 43.2 | 45.2 | 50.3 | 51.6 |
| 170 | 2.373 | 2.225 | 2.101 | 1.996 | 1.905 | 1.826 | 1.755 | 1.693 | 1.636 |
| | 2-3/8 | 2-1/4 | 2-1/8 | 2 | 2 | 1-7/8 | 1-7/8 | 1-3/4 | 1-3/4 |
| | 27.0 | 30.2 | 33.2 | 35.9 | 40.9 | 43.2 | 48.4 | 50.3 | 55.6 |
| 175 | 2.424 | 2.273 | 2.146 | 2.039 | 1.946 | 1.865 | 1.793 | 1.729 | 1.672 |
| | 2-1/2 | 2-3/8 | 2-1/4 | 2-1/8 | 2 | 1-7/8 | 1-7/8 | 1-3/4 | 1-3/4 |
| | 28.4 | 31.9 | 35.1 | 38.1 | 40.9 | 43.2 | 48.4 | 50.3 | 55.6 |

WEIGHT OF THE PLATE APPEARS IN ITALICS

PROJECT: HONEYWELL
 CLIENT: SEVENSON ENVIRONMENTAL
 LOCATION: JARSEY CITY, NJ
 SUBJECT: TIEBACK # 55 WEDGE PLATE DESIGN

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 BY YT DATE 8/25/10
 CK _____ DATE _____

TIEBACK DESIGNATION : T-55

DESIGN LOAD : 140 KIPS

TEST LOAD : 1.33 DL = 186 kips.

CHECK BEARING:

$$f_p = 0.9 F_y (\text{min})$$

$$= 0.9 (36)$$

$$= 32.4 \text{ ksi}$$

A_p = BEARING AREA REQUIRED

$$A_p = \frac{DL}{f_p} = \frac{186}{32.4} = 5.74 \text{ in}^2$$

SINCE THE BEARING PLATE WILL BE SUPPORTED BY TWO WEDGE PLATE, THE BEARING AREA SHALL BE DIVIDED BY 2.

A_p PER WEDGE PLATE

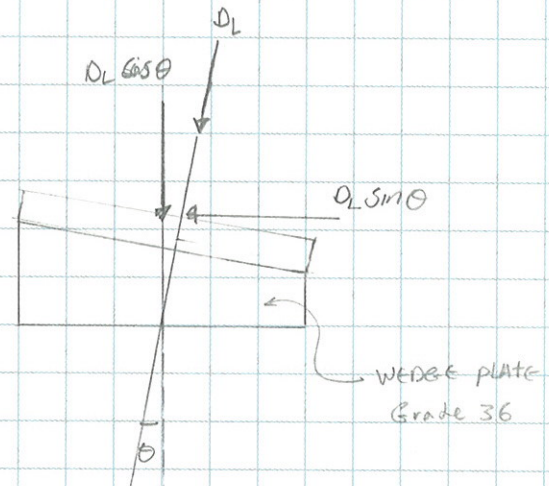
$$A_{p2} = 5.74 / 2 = 2.87$$

CONSIDER WEDGE PLATE LENGTH OF 10 INCH

$$L = 10 \text{ INCH}$$

$$A_p = L \times W$$

$$W = \frac{A_p}{L} = \frac{2.87}{10} = 0.287" \text{ USE } 3/4"$$



PROJECT: _____

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CLIENT: _____

BY Y.T. DATE _____

LOCATION: _____

CK _____ DATE _____

SUBJECT: _____

CHECK SHEAR:

ALLOWABLE SHEAR STRESS

$$f_v = 0.4 F_y = (0.4)(36) = 14.4 \text{ ksi}$$

$$P_H = D_L \sin \theta = 186 \sin(10) = 32.3 \text{ kip}$$

$$A_v = \frac{32.3/2}{14.4} = 1.12 < 2.87 \quad \underline{\text{OK}}$$

WELDING WEDGE PLATE TO WALES:

$$P_H = D_L \sin \theta = 186 \sin 10 = 32.3 \text{ kip}$$

SHEAR LOAD PER WEDGE PLATE

$$P_{H_2} = 32.3/2 = 16.15 \text{ kip}$$

CONSIDER E70XX ELECTRODES FOR WELDED CONNECTION OF WEDGE PLATE TO WALE

$$F_{E70} = 70 \text{ ksi}$$

$$\text{ALLOWABLE LOAD (RV)} = 0.3 F_{E70} \left(\frac{\sqrt{2}}{2} \right) \left(\frac{D}{16} \right) l$$

D = FILLET WIDTH IN 16THS

l = WELD LENGTH

$$\frac{RV}{l} = 0.928 D \text{ kips/in}$$

FOR $\frac{1}{4}$ " FILLET, $RV = 3.71 \text{ kips}$

$$l_{\text{req}} = \frac{16.15}{3.71} = 4.35 \text{ USE } 5 \text{ INCH}$$

PROJECT: _____

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CLIENT: _____

BY Y.T. DATE _____

LOCATION: _____

CK _____ DATE _____

SUBJECT: _____

BUCKLING CHECK HAS BEEN PERFORMED IN ACCORDANCE WITH SECTION 2, CHAPTER E OF MANUAL OF STEEL CONSTRUCTION, ALLOWABLE STRESS DESIGN, NINTH EDITION

WEDGE PLATE LENGTH

$$L = 10 \text{ in}$$

WEDGE PLATE WIDTH

$$W = 3/4 \text{ in}$$

WEDGE PLATE MAXIMUM DEPTH

$$h = 3 \text{ in}$$

DESIGN LOAD

$$D_L = 140 \text{ KIPS}$$

TEST LOAD

$$T_L = 1.33 D_L = 186 \text{ kip}$$

LOAD PER WEDGE PLATE

$$P = \frac{T_L}{2} = \frac{186}{2} = 93 \text{ kip}$$

UNIFORM LOAD ALONG THE LENGTH OF WEDGE PLATE

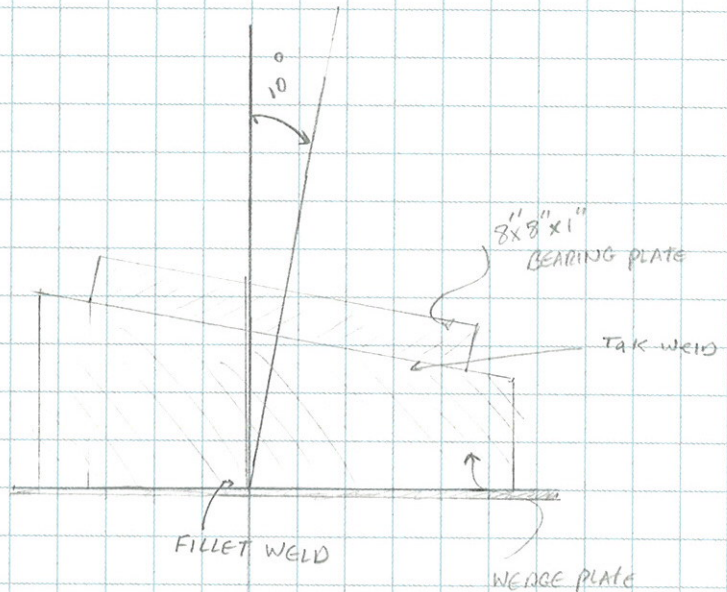
$$P_U = \frac{93 \text{ kip}}{10 \text{ in}} = 9.3 \text{ kip/in}$$

CHECK FOR BUCKLING

THE WEDGE PLATE WILL BE FILLET WELD TO THE WALES AND TACK WELD TO THE PLATE. GIVEN THAT, THE PLATE BOUNDARY CONDITION AT BOTH TOP AND BOTTOM CAN BE PRESENTED AS PINNED AND FIX CONDITION RESPECTIVELY. BASED ON TABLE C-C2-1 OF MANUAL OF STEEL CONSTRUCTION (ASD) NINE EDITION, THE RECOMMENDED DESIGN K VALUE FOR THE BOUNDARY CONDITION SPECIFIED ABOVE IS 0.80.

$$K = 0.80$$

THE BUCKLING MAY OCCUR AT THE MAXIMUM WEDGE PLATE DEPTH. THE UNBRACED LENGTH FOR BUCKLING ANALYSIS IS THE MAXIMUM WEDGE PLATE DEPTH OF 3".



PROJECT: _____

PAGE 4 of 7

CLIENT: _____

BY V.T. DATE _____

LOCATION: _____

CK _____ DATE _____

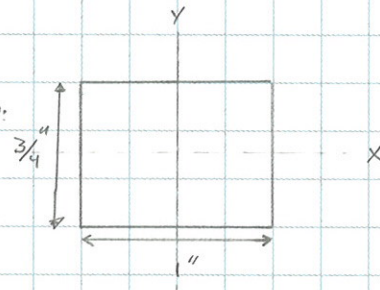
SUBJECT: _____

effective length

$$K \cdot l = 0.80 (3) = 2.4 \text{ (in)}$$

MOMENT OF INERTIA FOR RECTANGULAR SOLID SECTION:

$$I = \frac{bh^3}{12} = \frac{(1'')(3/4'')^3}{12} = 0.035 \text{ in}^4$$



AREA:

$$A = bh = (1)(3/4) = 3/4 \text{ in}^2$$

RADIUS OF GYRATION:

$$r = \sqrt{\frac{I}{A}} = \sqrt{\frac{0.035}{0.75}} = 0.217 \text{ in}$$

$$Kl/r = \frac{(0.8)(3)}{0.217} = 11.1$$

$$C_c = \sqrt{\frac{2\pi^2 E}{F_y}} = \sqrt{\frac{2(\pi)^2 29,000}{36}} = 126.1$$

$$E = 29,000 \text{ KSI}$$

$$F_y = 36 \text{ KSI}$$

Since $C_c > Kl/r$, THE ALLOWABLE STRESS FOR AXIALLY LOADED COMPRESSION IS:

$$F_a = \frac{\left[1 - \frac{(Kl/r)^2}{2C_c^2}\right] F_y}{\frac{5}{3} + \frac{3(Kl/r)}{8C_c} - \frac{(Kl/r)^3}{8C_c^3}} = \frac{\left[1 - \frac{11.1^2}{2(126.1)^2}\right] 36}{\frac{5}{3} + \frac{3(11.1)}{8(126.1)} - \frac{(11.1)^3}{8(126.1)^3}} = \frac{35.86}{1.7} = 21.1 \text{ KSI}$$

PROJECT: _____

PAGE 5 of 7

CLIENT: _____

BY y.t. DATE _____

LOCATION: _____

CK _____ DATE _____

SUBJECT: _____

$$f_a = \frac{F}{A} = \frac{9.3 \text{ kip}}{0.75 \text{ in}^2} = 12.4 \text{ ksi}$$

$$\frac{f_a}{F_a} = \frac{12.4}{21.1} = 0.6 < 1 \quad \text{okay}$$

NO BUCKLING

WEDGE PLATE SUMMARY:

 $F_y = 36 \text{ ksi}$ $3/4"$ THICK

CUT TO FIT

PROJECT: _____

PAGE 6 of 7

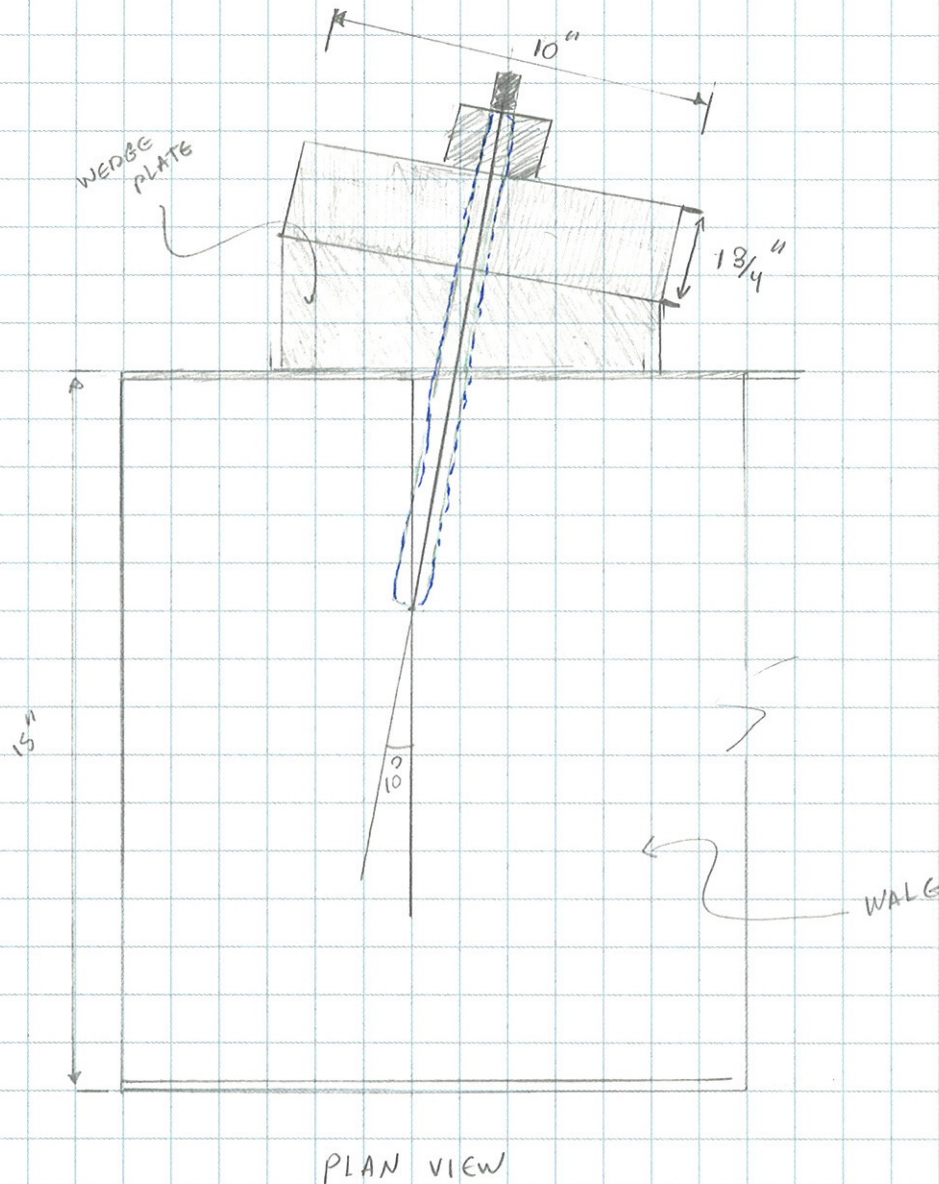
CLIENT: _____

BY Y.T. DATE _____

LOCATION: _____

CK _____ DATE _____

SUBJECT: _____



PROJECT: _____

PAGE 7 of 7

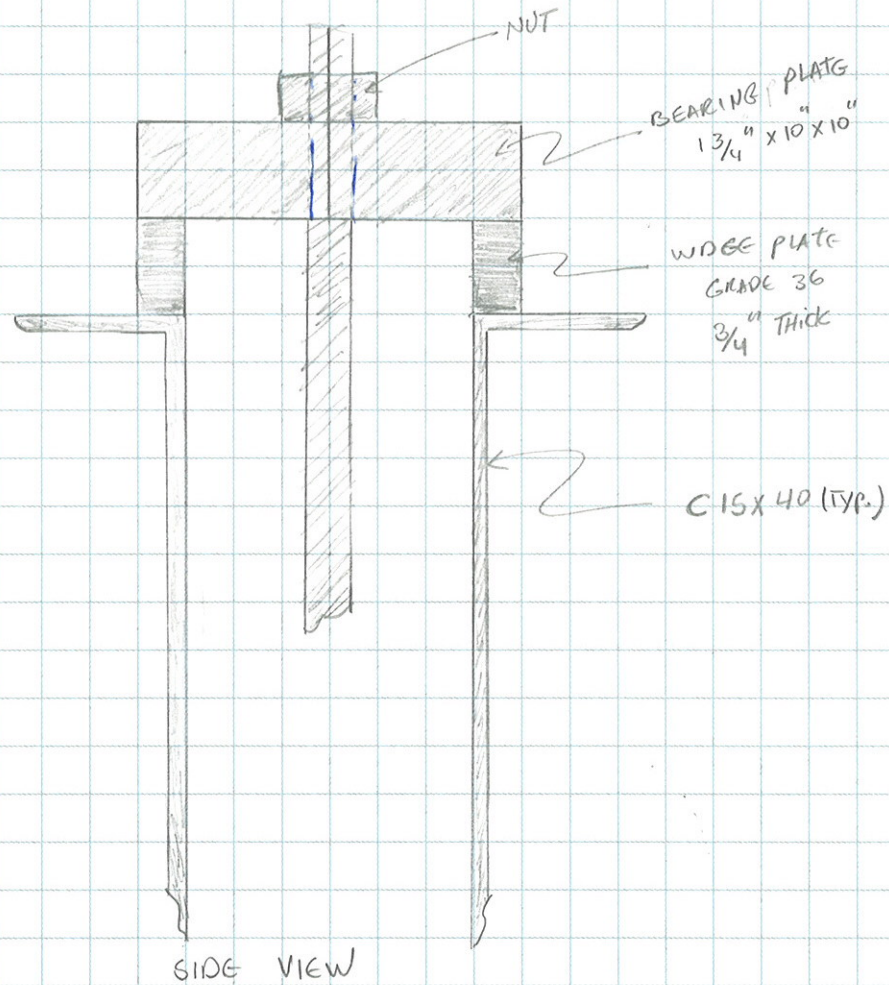
CLIENT: _____

BY Y.T DATE _____

LOCATION: _____

CK _____ DATE _____

SUBJECT: _____



SUBSURFACE INVESTIGATION REPORT

DECEMBER 21, 2007

Honeywell Study Area 5

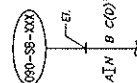
Jersey City, New Jersey

GENERAL NOTES:

1. Survey of 2007 borings by Keller & Knaptrick dated November 12, 2007 except where noted otherwise.
2. Elevation Datum is the National Geodetic Vertical Datum of 1929 (NGVD 29).
3. Horizontal datum is the 1983 North American Datum with 1992 adjustment (NAD 83-92).
4. Borings and soil profile are projected to the section. Sections are taken along proposed barrier locations. Stratification shown are interpolations between borings and may not represent actual subsurface conditions.
5. Boring locations are shown on drawing B-1.
6. 2007 borings are located on NJDEP Sites 080 and 184 as shown on drawing B-1.
7. Strata Block between 6" to 12" asphalt/concrete surface cover and upper-most soil layer not shown on geologic sections for clarity.
8. Geologic section ground surface lines interpreted from ground surface contours shown on Drawing No. B-1.

2007 BORING (TYP.) (SUPERSEDES GS-R)

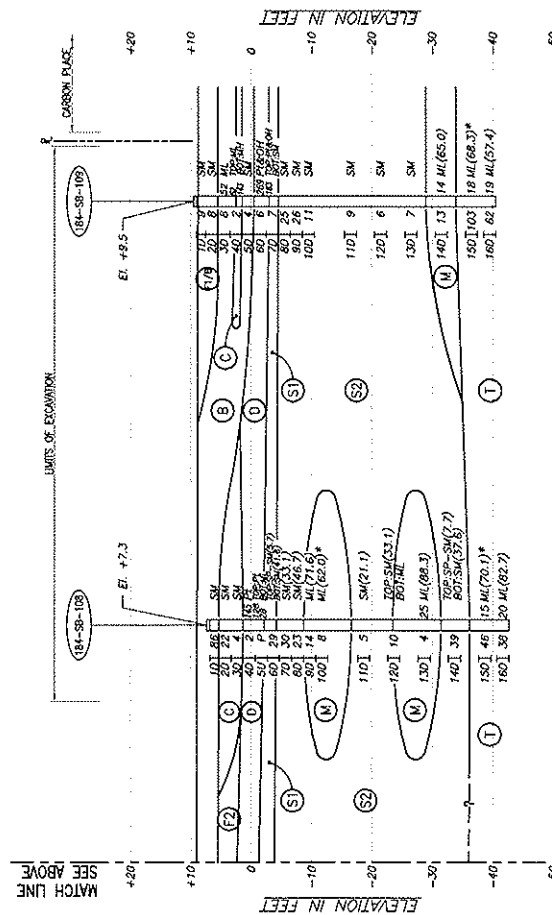
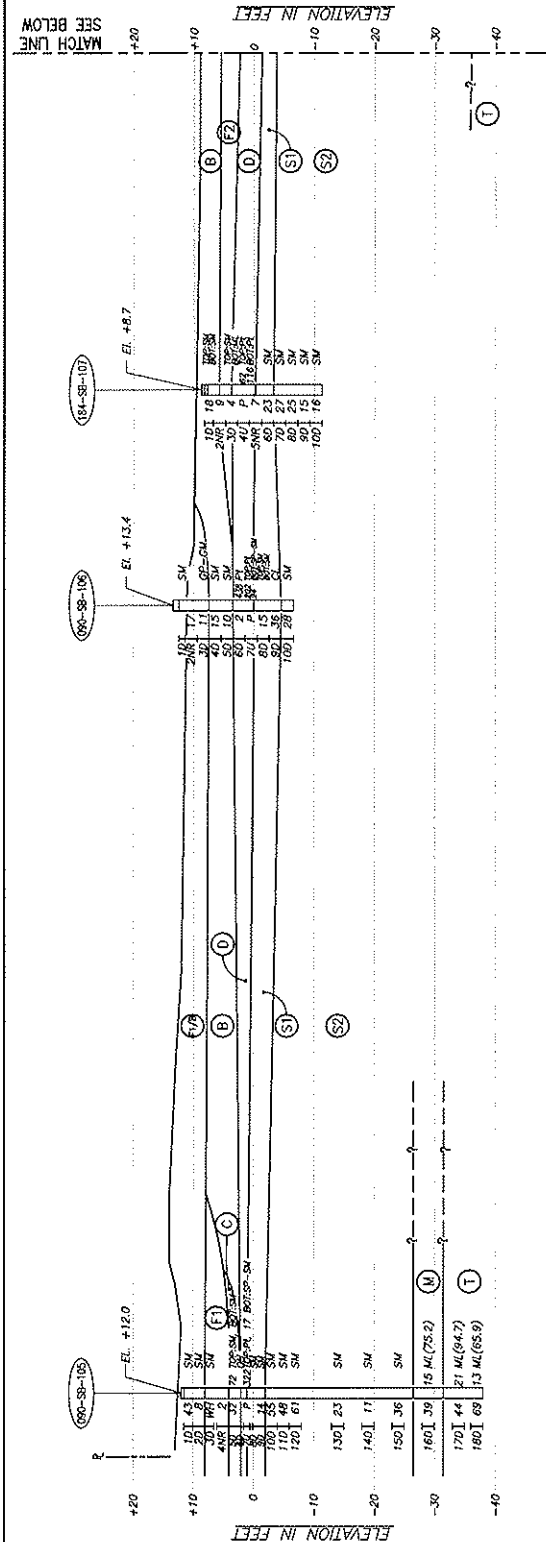
- A - SAMPLE NUMBER AND TYPE
 N - SAMPLE PENETRATION RESISTANCE IN BLOWS PER FOOT
 B - NATURAL WATER CONTENT
 C - UNIFIED SOIL CLASSIFICATION
 D - PERCENT OF SAMPLE PASSING NO. 200 MESH SIEVE (BY WEIGHT)
 * - GRADATION TEST PERFORMED ON SAMPLE



GENERAL STRATA DESCRIPTIONS:

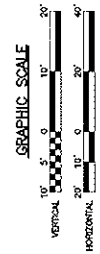
- (F1) STRATUM_E1 - Black to brown and gray fine to coarse sand, some silt, cinders, trace to some gravel, trace brick fragments, wood glass, nails, peat.
 (F2) STRATUM_F2 - Brown fine to medium sand, trace silt to silty, trace coarse sand, gravel.
 (B) COEP. HORIZON_B - Black to gray and gray-brown to red-brown silty fine to coarse sand and sandy silt, trace gravel, pockets/ seams/ fragments yellow fine sandy silt, silt, or clayey silt.
 (C) COEP. HORIZON_C - Yellow, white, red, gray, and brown silty fine to coarse sand and clayey silt, trace wood, gravel.
 (F3) STRATUM_F3B - Black, gray, and brown fine to coarse sand, some silt to silty, trace gravel to gravelly, trace silt, cinders, brick, yellow silt-and sand-sized lithified COEP. fragments, clayey silt seams.
 (D) STRATUM_D - Brown to black peat, trace fine sand, silt, clay, gravel; gray organic silty clay and clayey silt, trace fine sand, vegetation.
 (S1) STRATUM_S1 - Light brown to dark brown and gray fine to medium sand, trace to some vegetation, trace silt to silty, trace coarse sand, gravel, clay, black fine to medium sand seams; gray fine sandy clay, some silt (one sample only).
 (S2) STRATUM_S2 - Red-brown fine to medium sand, trace silt to silty, trace coarse sand, gravel, clay, clayey silt pockets, fine sandy silt seams.
 (M) STRATUM_M - Red-brown silt, trace sand to sandy, trace clay to clayey, trace gravel.
 (T) STRATUM_T - Red-brown silt and silty clay, trace sand to sandy, trace clay to clayey, trace gravel, rock fragments, fine to medium sand pockets and layers.

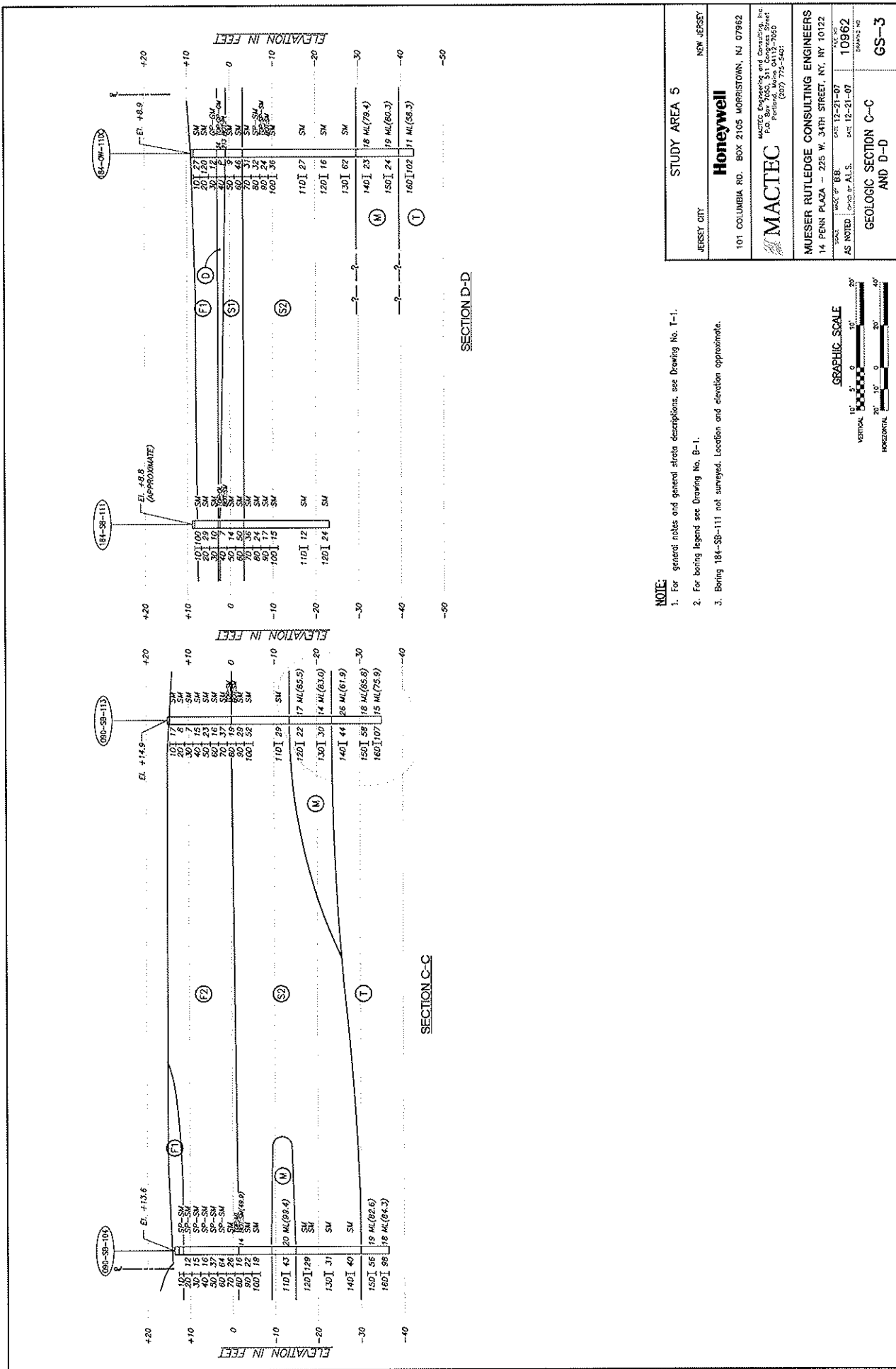
| | | |
|--|---|-------------------|
| JERSEY CITY | STUDY AREA 5 | NEW JERSEY |
| 101 COLUMBIA RD. BOX 2105 MORRISTOWN, NJ 07962 | Honeywell | |
| MACTEC | MACTEC ENGINEERING AND CONSULTING, INC. P.O. Box 7050, 541 Congress Street Perth Amboy, NJ 08861-7050 (732) 775-4431 | |
| MUESER RUTLEDGE CONSULTING ENGINEERS 14 PENN PLAZA - 225 W. 34TH STREET, NY, NY 10122 | | |
| SCALE: HORIZ. 1" = 40' VERT. 1" = 10' | DATE: 12-21-07 | PROJECT NO: 10962 |
| AS NOTED | DATE OF ALL: 12-21-07 | DRAWING NO: T-1 |
| GENERAL NOTES AND LEGEND | | |



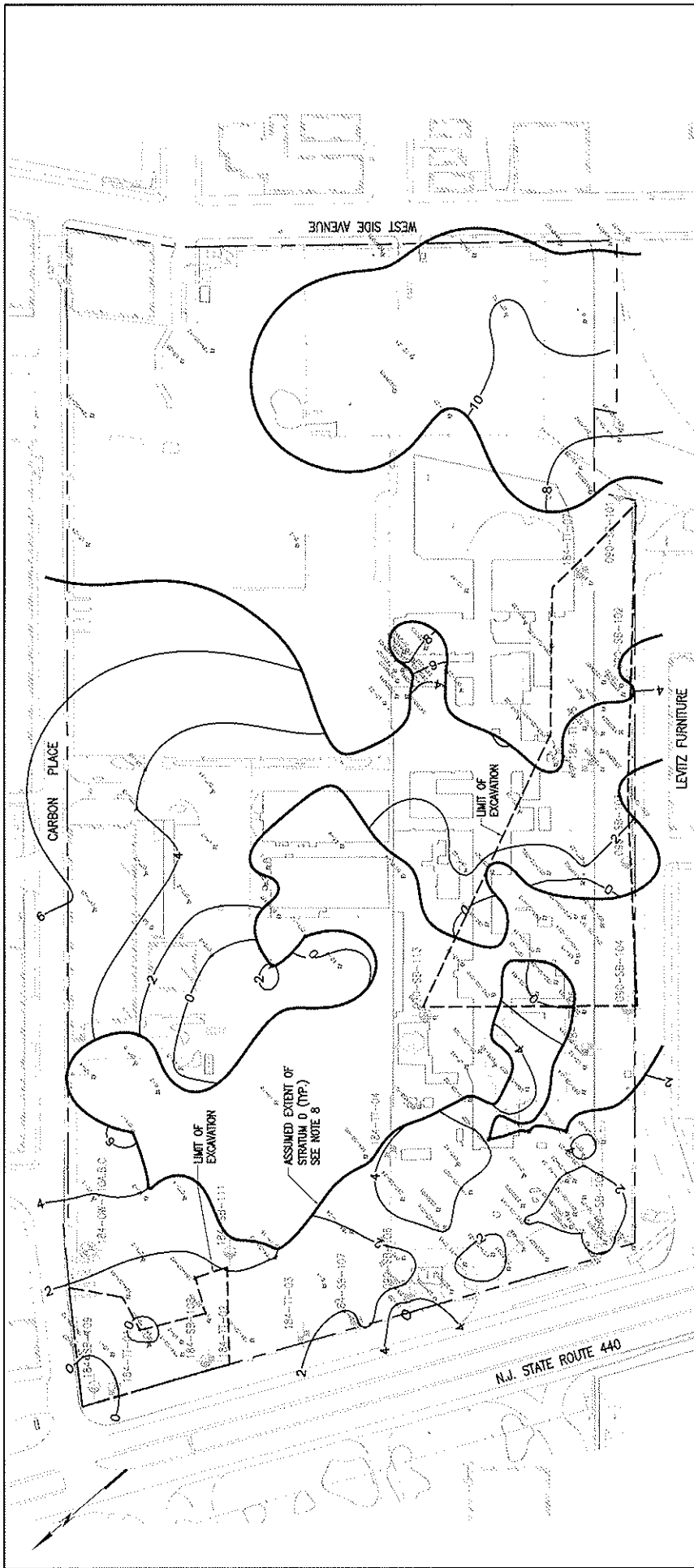
NOTE:
 1. For general notes and general strata descriptions, see Drawing No. T-1.
 2. For boring legend see Drawing No. B-1.

| | |
|---|------------------|
| JERSEY CITY | STUDY AREA 5 |
| NEW JERSEY | |
| Honeywell | |
| 101 COLUMBIA RD. BOX 2105 MORRISTOWN, NJ 07962 | |
| MACTEC Engineering and Consulting, Inc. P.O. Box 7000, 511 Corporate Square Paramus, NY 10765 (201) 775-5401 | |
| MACTEC | |
| MUESER RUTLEDGE CONSULTING ENGINEERS 14 PENN PLAZA - 225 W. 34TH STREET, NY, NY 10122 | |
| SCALE: 1" = 10' H.B.L. SHEET 12-21-07 | FILE NO. 10962 |
| AS NOTED: 1" = 10' H.B.L. SHEET 12-21-07 | DATE: 12-21-07 |
| DESIGNED BY: MUESER RUTLEDGE CONSULTING ENGINEERS | DRAWING NO. GS-2 |
| GEOLOGIC SECTION B-B | |





| | |
|---|------------|
| STUDY AREA 5 | |
| JERSEY CITY | NEW JERSEY |
| Honeywell | |
| 101 COLUMBIA RD. BOX 2105 MORRISTOWN, NJ 07962 | |
| MACTEC | |
| MACTEC Engineering and Consulting, Inc. 1700 Main Street Portland, Maine 04112-3360 (207) 775-5407 | |
| MUESER RUTLEDGE CONSULTING ENGINEERS | |
| 14 PENN PLAZA - 225 W. 34TH STREET, NY, NY 10122 | |
| DATE: 12-21-07 | 10962 |
| AS NOTED | 10962 |
| GEOLOGIC SECTION C-C AND D-D | |
| GS-3 | |



NOTES:

1. For boring legend see Drawing No. B-1.
2. Contour labels are elevations in feet.
3. Strata break depths used to generate contours were interpolated from boring logs for existing borings provided by MACTEC. See next text for additional information on interpretation of existing boring logs.
4. Top of Stratum D Contours are necessary interpolations between borings that encountered Stratum D and may not represent actual field conditions.
5. Boring locations used to generate contours are as shown in Drawing No. B-1.
6. Ground surface elevations for 2007 borings and 2003 Parsons borings used to generate contours are taken from the boring logs. Ground surface elevations for all other existing borings used to generate contours are interpolated from ground surface contours on Drawing No. B-1.
7. Borings adjusted to project vertical datum as needed, and may not match elevations shown on boring logs.
8. Stratum D is assumed to be discontinuous where the encountered thickness is less than 3' and has not been contoured.



STUDY AREA 5

JERSEY CITY

NEW JERSEY

Honeywell

101 COLUMBIA RD. BOX 2105 MORRISTOWN, NJ 07962

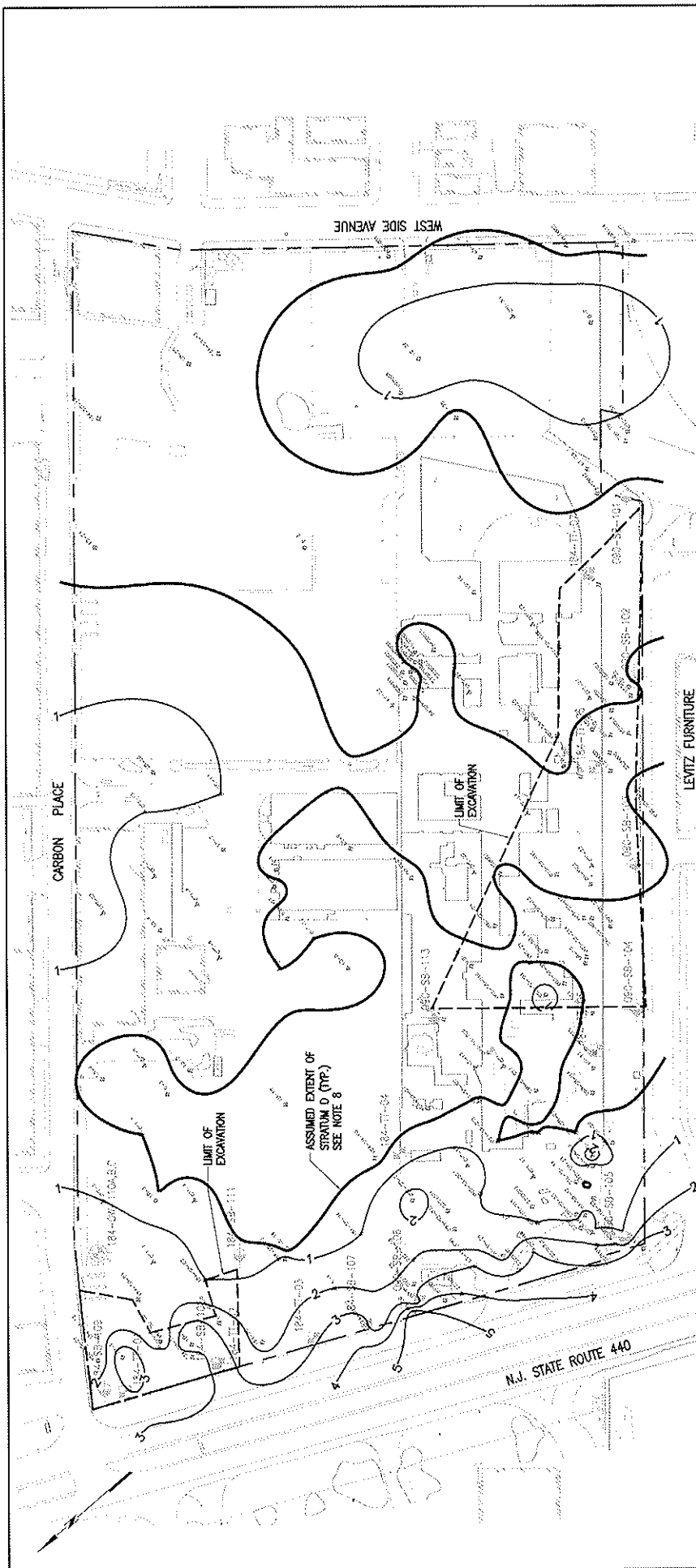
MACTEC

MACTEC Engineering and Consulting, Inc.
P.O. Box 2105, Columbia Road
Morristown, NJ 07962
(207) 775-5401

MUESER RUTLEDGE CONSULTING ENGINEERS
14 PENN PLAZA - 225 W. 34TH STREET, NY, NY 10122

DATE: 12-21-07
AS NOTED: 10962
DRAWING NO: GC-1

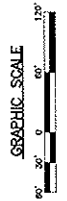
CONTOUR MAP OF
TOP OF STRATUM D

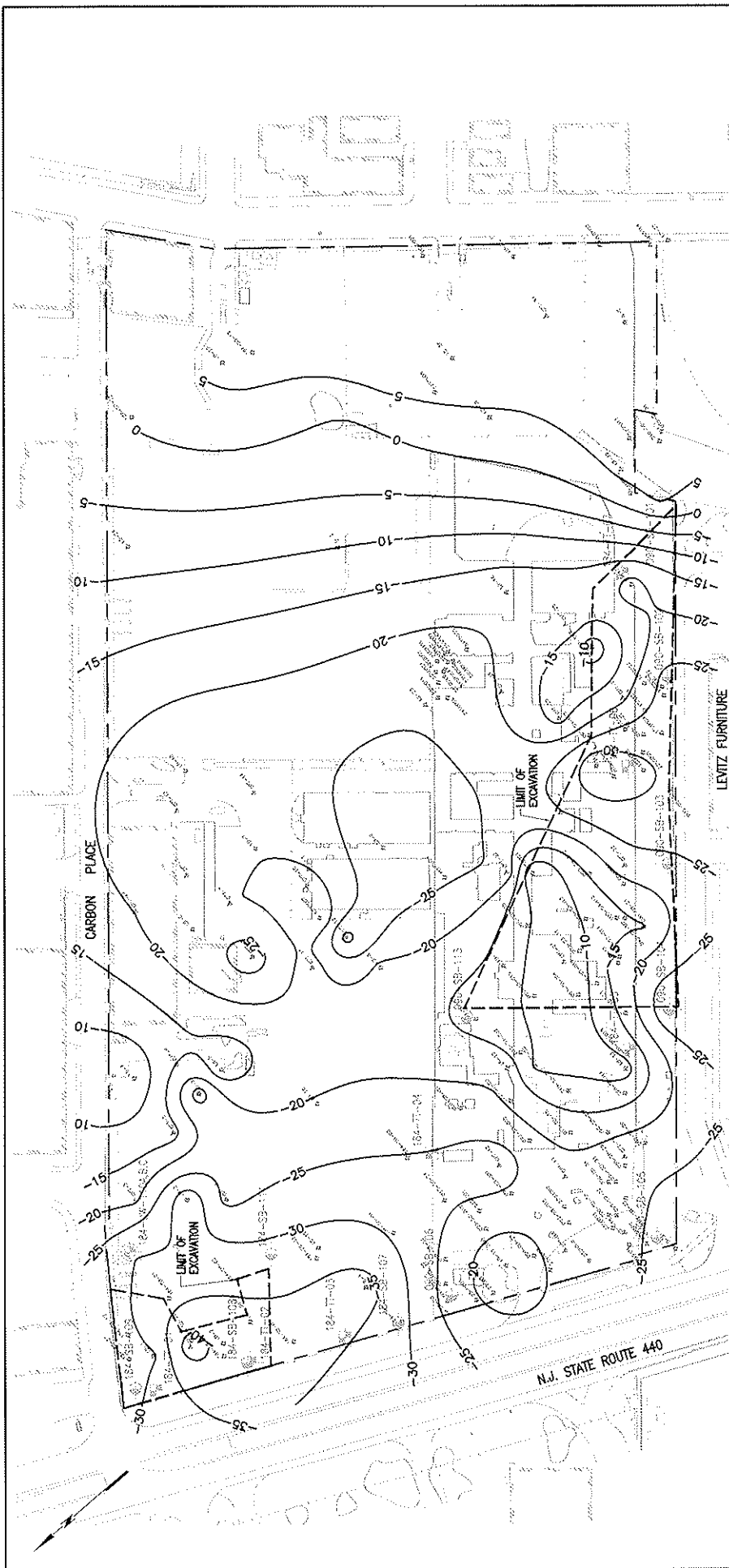


NOTES:

1. For boring legend see Drawing No. B-1.
2. Contour labels are thickness in feet.
3. Strata bore depths used to generate contours were interpreted from boring logs. Boring logs for existing borings were provided by MACTEC. See report for additional information on interpretation of existing boring logs.
4. Top of Stratum D. Contours are necessary interpolations between borings. But encountered Stratum D and may not represent actual field conditions.
5. Boring locations used to generate contours are as shown in Drawing No. B-1.
6. Ground surface elevations for 2007 borings and 2003 Parsons borings used to generate contours are taken from the boring logs. Ground surface elevations for all other existing borings used to generate contours are interpreted from ground surface contours on Drawing No. B-1.
7. Borings adjusted to project vertical datum as needed, and may not match elevations shown on boring logs.
8. Stratum D is assumed to be discontinuous where the encountered thickness is less than 3" and has not been contoured.

| | |
|---|---------------|
| STUDY AREA 5 | |
| JERSEY CITY | NEW JERSEY |
| Honeywell | |
| 101 COLUMBIA RD. BOX 2105 MORRISTOWN, NJ 07962 | |
| MACTEC Engineering and Consulting, Inc. 1700 N. 10TH STREET PERKINS, WISCONSIN 53151-7550 (800) 775-5401 | |
| MUESER RUTLEDGE CONSULTING ENGINEERS 14 PENN PLAZA - 225 W. 34TH STREET, NY, NY 10122 | |
| AS NOTED | DATE 12-21-07 |
| 10962 | 10962 |
| CONTOUR MAP OF THICKNESS OF STRATUM D | |
| GC-2 | |





NOTES:

1. For boring legend see Drawing No. B-1.
2. Contour labels are elevations in feet.
3. Strata book depths used to generate contours were interpreted from boring logs. Boring logs for existing borings were provided by MACTEC. See report text for additional information on interpretation of existing boring logs.
4. Top of Silt Contours are necessary interpolations between borings that encountered silt and may not represent actual field conditions.
5. Boring locations used to generate contours are as shown in Drawing No. B-1.
6. Ground surface elevations for 2007 borings and 2003 Parsons borings used to generate contours are taken from the boring logs. Ground surface elevations for all other existing borings used to generate contours are interpreted from ground surface contours on Drawing No. B-1.
7. Borings adjusted to project vertical datum as needed, and may not match elevations shown on boring logs.

STUDY AREA 5

JERSEY CITY

NEW JERSEY

Honeywell

101 COLUMBIA RD. BOX 2105 MORRISTOWN, NJ 07962

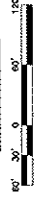
MACTEC
MACTEC Engineering and Consulting, Inc.
14100 Old County Road
Portland, Maine 04112-7050
(207) 775-5401

MUESER RUTLEDGE CONSULTING ENGINEERS
14 PENN PLAZA - 225 W. 34TH STREET, NY, NY 10122

DATE: 12-21-07
AS NOTED: 10962
DATE: 12-21-07
DRAWING NO:

CONTOUR MAP OF
TOP OF SILT

GRAPHIC SCALE

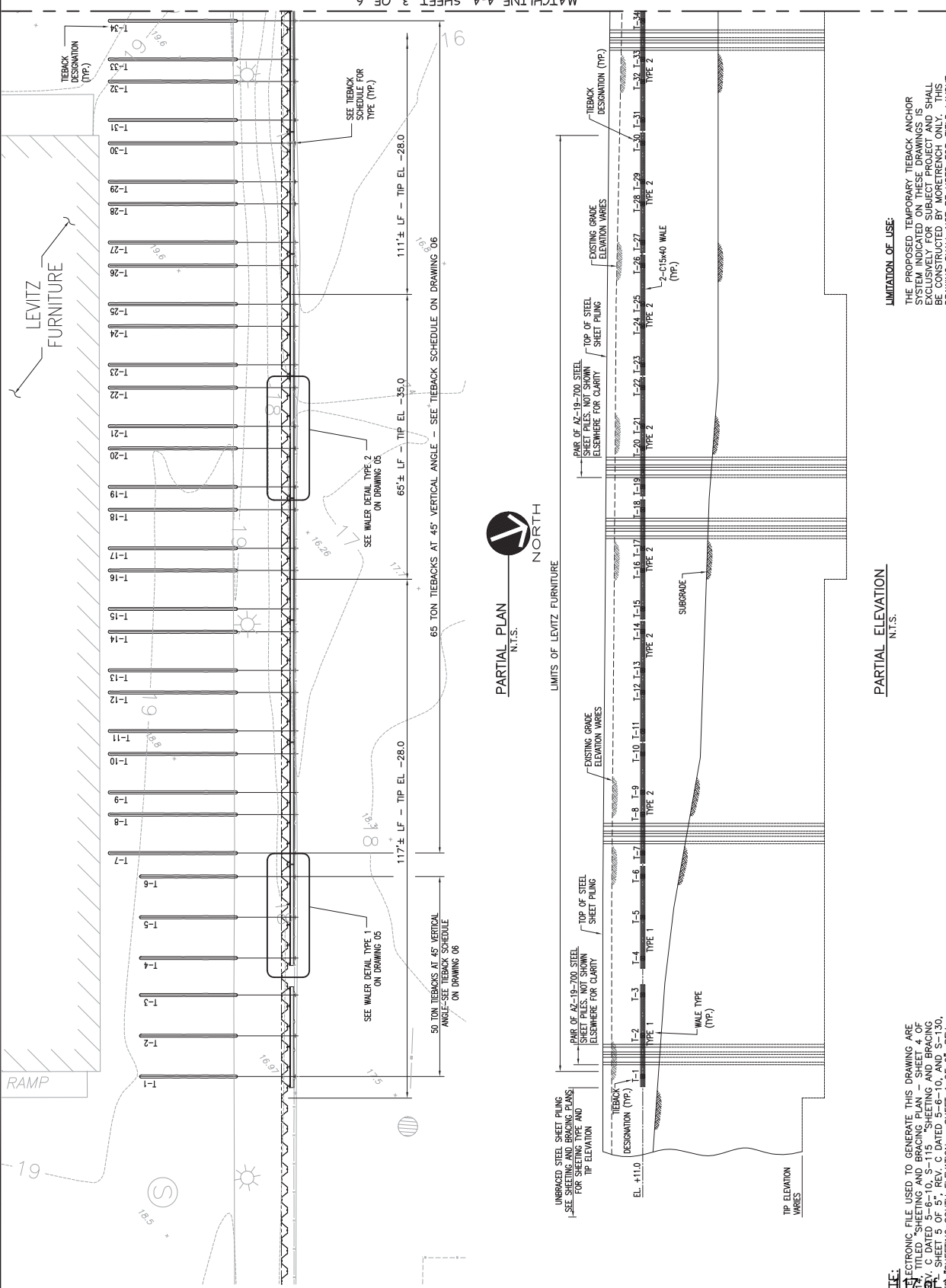


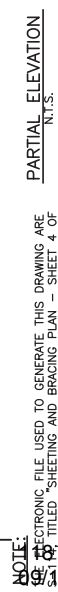
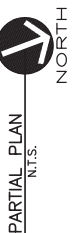
Attachment D2 – Shop Drawings

LIMITATION OF USE:
THE PROPOSED TEMPORARY TIEBACK ANCHOR SYSTEM INDICATED ON THESE DRAWINGS IS EXCLUSIVELY FOR SUBJECT PROJECT AND SHALL BE CONSTRUCTED BY MORETRENCH ONLY. THIS DRAWING SHALL NOT BE USED FOR FIELD LAYOUT.

COPYRIGHT © 2010 BY: MORETRENCH

NOTE: THE ELECTRONIC FILE USED TO GENERATE THIS DRAWING ARE:
 09-11-11 TITLED "SHEETING AND BRACING PLAN - SHEET 4 OF 5" OR C DATED 5-6-10, 5-15 "SHEETING AND BRACING PLAN - SHEET 5 OF 5" C DATED 5-6-10, AND 5-130, 09-11-11 TITLED "SHEETING SOUTH ELEVATION - SHEET 1 OF 2" REV. DATED 5-6-10 BY MACTEC ENGINEERING AND CONSULTING COMPANY AND MUSER RUTLEDGE CONSULTING ENGINEERS FOR HONEYWELL.





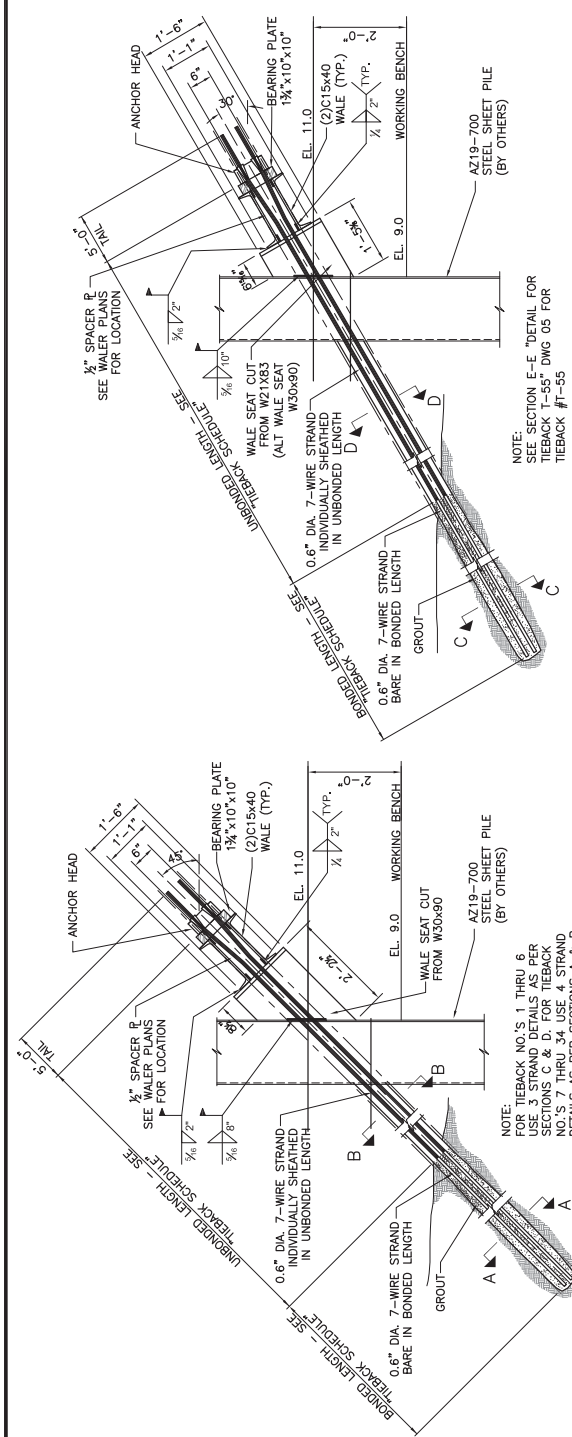
LIMITATION OF USE:

THE PROPOSED TEMPORARY TIEBACK ANCHOR SYSTEM INDICATED ON THESE DRAWINGS IS EXCLUSIVELY FOR SUBJECT PROJECT AND SHALL BE CONSTRUCTED BY MORETRENCH ONLY. THIS DRAWING SHALL NOT BE USED FOR FIELD LAYOUT.

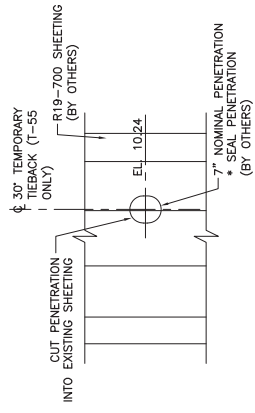
COPYRIGHT © 2010 BY: MORETRENCH

LIMITATION OF USE: THE PROPOSED TEMPORARY TIEBACK ANCHOR SYSTEM INDICATED ON THESE DRAWINGS IS EXCLUSIVELY FOR SUBJECT PROJECT AND SHALL BE CONSTRUCTED BY MORETRENCH ONLY. THIS DRAWING SHALL NOT BE USED FOR FIELD LAYOUT.

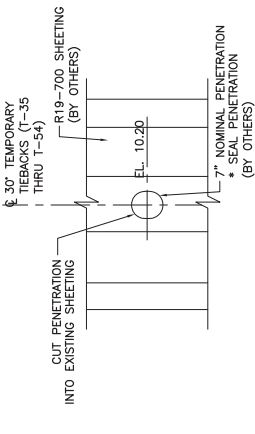
COPYRIGHT © 2010 BY: MORETRENCH



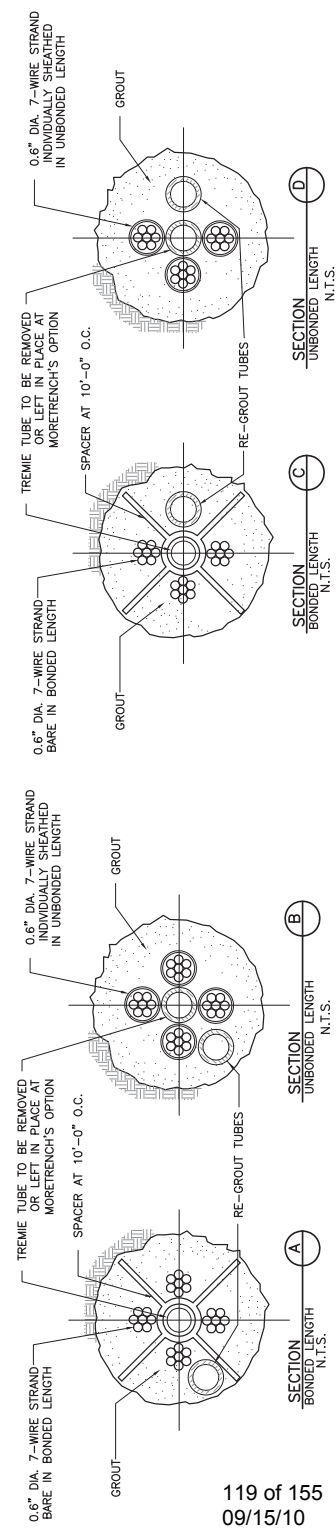
DETAIL FOR TIEBACK #'S T-35 THRU T-54
N.T.S.



DETAIL OF HOLE PENETRATION FOR 30° TIEBACK @ T-55 ONLY



DETAIL OF HOLE PENETRATION FOR 30° TIEBACKS

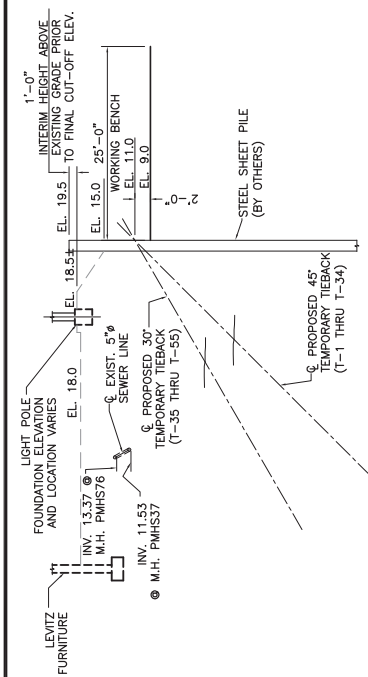


Rockaway, NJ 07866-3146
Phone: (973) 627-2100
Fax: (973) 586-7265

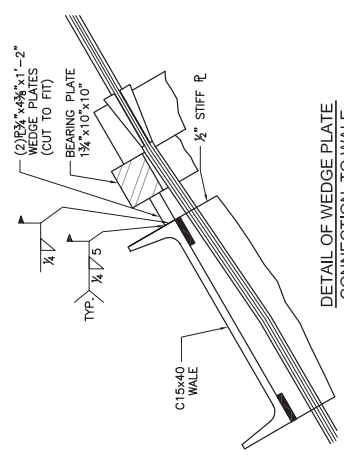
HONEYWELL
NEW JERSEY CITY REDEVELOPMENT
BUILDING 5 EXCAVATION SUPPORT
JERSEY CITY, NEW JERSEY

TEMPORARY TIEBACKS
WATER DETAILS

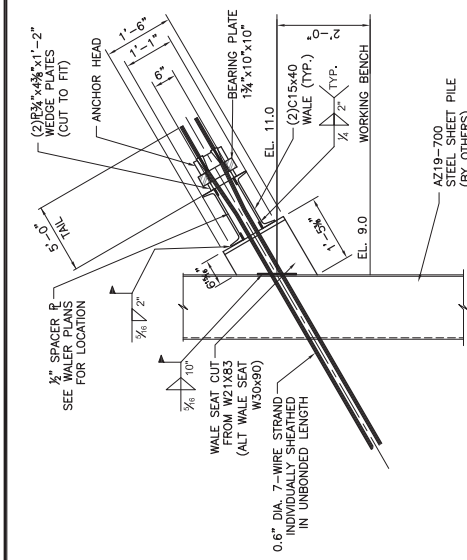
| | | | | |
|--------------|---------------|------------------|----------------------|---------------------|
| DRAWN BY: SW | APPROVED: TPH | SCALE: 1"=50'-0" | DATE: SEPT. 14, 2010 | JOB NUMBER: 71-8XXX |
|--------------|---------------|------------------|----------------------|---------------------|



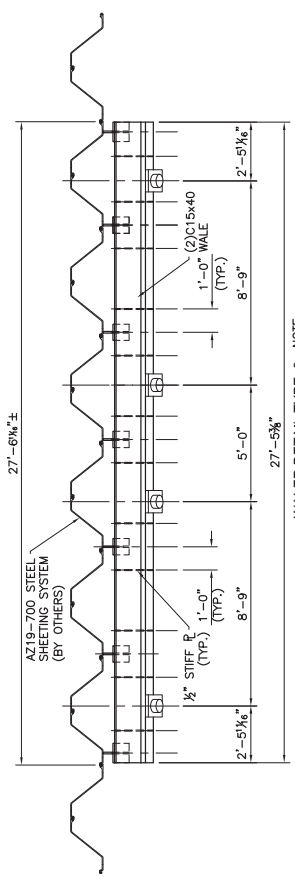
PROFILE OF PROPOSED TIEBACKS, UTILITIES AND EXISTING FOUNDATION



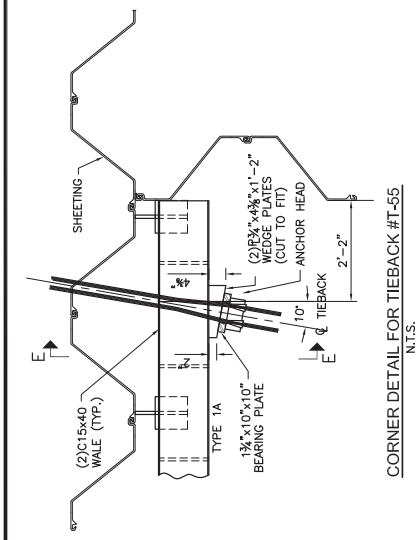
DETAIL OF WEDGE PLATE
CONNECTION TO WALE
N.T.S.



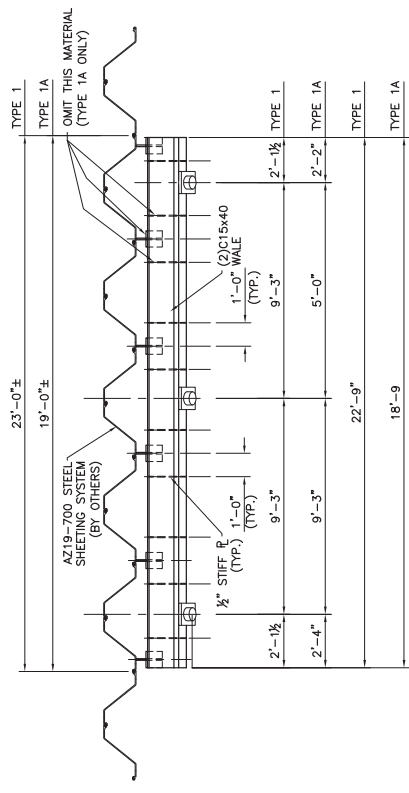
SECTION E-E
DETAIL FOR TIEBACK T-55
N.T.S.



WALER DETAIL TYPE 2
N.T.S.



CORNER DETAIL FOR TIEBACK #T-55
N.T.S.



WALER DETAIL TYPE 1 & TYPE 1A
N.T.S.

LIMITATION OF USE:

THE PROPOSED TEMPORARY TIEBACK ANCHOR SYSTEM INDICATED ON THESE DRAWINGS IS EXCLUSIVELY FOR SUBJECT PROJECT AND SHALL BE CONSTRUCTED BY MORETRENCH ONLY. THIS DRAWING SHALL NOT BE USED FOR FIELD LAYOUT.

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Attachment D3 – Performance and Proof Test Sheets

DTL: 140 (kips)

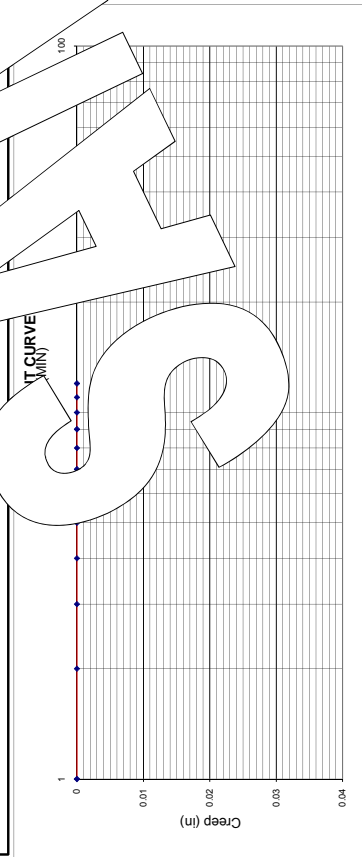
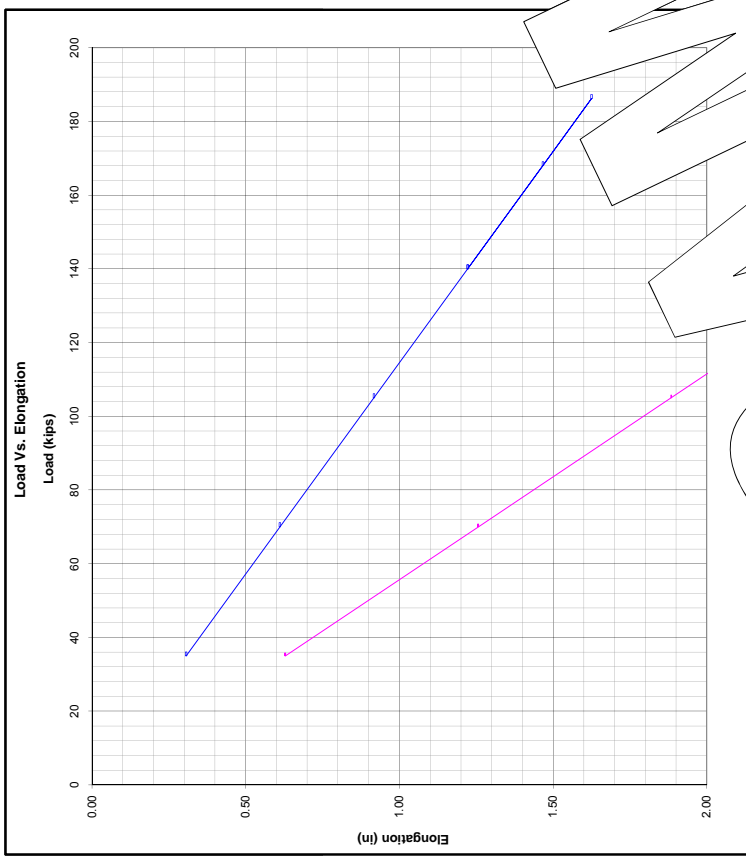
Anchor #

Anchor #

[illegible]

| | | | | | | | |
|---------------------------|-----------|-----------------|-----------|------------------------------------|--------|-------|------|
| Job No: | 71-84__ | Date Installed: | | AS-BUILT ANCHOR INSTALLATION DATA: | | | |
| Job Name: | Honeywell | Date Tested: | | Strand | 4 Str. | Area: | 0.87 |
| Tested by: | | Rental Jack | WB 40012R | Installation Angle | | Deg. | 30 |
| PTI Elongation Limits: | | | | Bond Length | | FT. | 30 |
| Minimum Elongation @TL) = | | | | Unbonded Length | | FT. | 20 |
| Maximum Elongation @TL) = | | | | Jacking Length | | FT. | 2 |

| Primary Gauge No: | 0 | Calibration Date: | 1/0/00 | Slope (kips/psi) | 0 | Intercept (psi) | 0 |
|---------------------|---|-------------------|--------|------------------|---|-----------------|---|
| Secondary Gauge No: | 0 | Calibration Date: | 1/0/00 | Slope (kips/psi) | 0 | Intercept (psi) | 0 |



Attachment D4 – Sample Jack Calibration

W. B. EQUIPMENT SERVICE CO. INC
127 OAK STREET
WOODRIDGE, NJ 07075
201 438-7800
FAX: 201 438-7830

CALIBRATION REPORT

Date: 05/03/10

W.B. EQUIPMENT SERVICE CO. INC NO: _____

CUSTOMER: MORETRENCH ORDER NO: _____

CYLINDER: 200 TONS STROKE: 8 SERIAL NO. 3236

GAUGE: 6 INCH DIAMETER: 10000 PSI SERIAL NO: 3236 PG

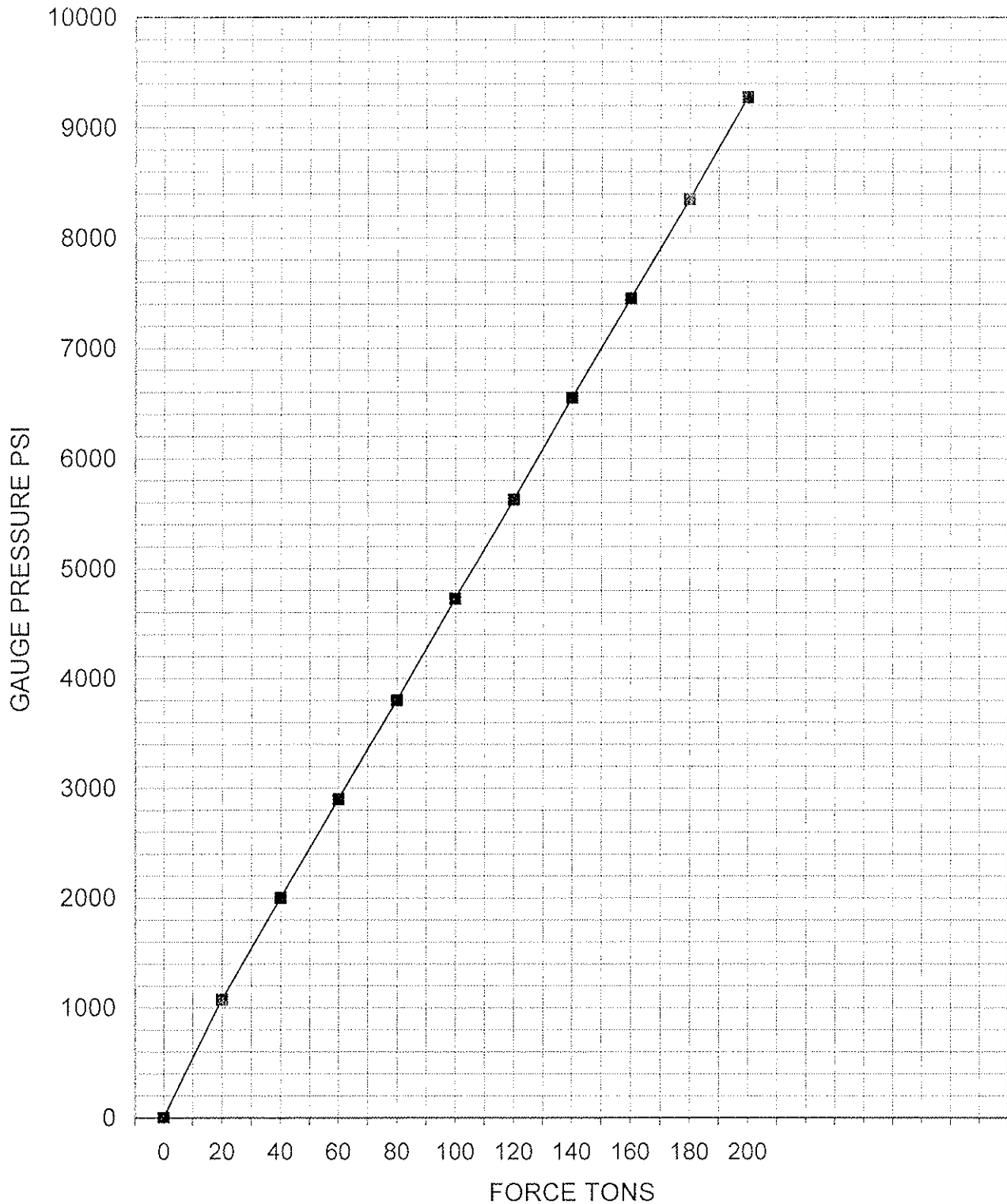
| CYLINDER FORCE TONS | GAUGE READINGS-PSI AT RAM EXTENSIONS | | AVERAGE PRESSURE PSI |
|------------------------|---|----------|-------------------------|
| | 1 INCHES | 2 INCHES | |
| 0 | 0 | 0 | 0 |
| 20 | 1075 | 1075 | 1075 |
| 40 | 2000 | 2000 | 2000 |
| 60 | 2900 | 2900 | 2900 |
| 80 | 3800 | 3800 | 3800 |
| 100 | 4725 | 4725 | 4725 |
| 120 | 5625 | 5625 | 5625 |
| 140 | 6550 | 6550 | 6550 |
| 160 | 7450 | 7450 | 7450 |
| 180 | 8350 | 8350 | 8350 |
| 200 | 9275 | 9275 | 9275 |
| | | | |
| | | | |
| | | | |
| | | | |
| | | | |

TEST PERFORMED BY:STEPHEN CIRECO

OUTPUT MEASURED BY LOADCELLSERIAL NUMBER D WITH STRAIN INDICATOR P3
SERIAL NUMBER 015889

W. B. EQUIPMENT SERVICE CO. INC
127 OAK STREET
WOODRIDGE, NJ 07075
201 438-7800

PRESSURE VS FORCE



TEST PERFORMED BY: STEPHEN CIRECO
OUTPUT MEASURED BY LOADCELL SERIAL NUMBER D WITH STRAIN INDICATOR P3 SERIAL NUMBER
015889

APPENDIX E – QUALIFICATIONS

Appendix E

Qualifications

As a nationally distinguished geotechnical contractor, Moretrench has extensive experience installing soil anchors and working with both government and private organizations. Supervision resumes as well as Moretrench's Corporate Profile and rock anchor job lists can be found in Attachments E.1, ED.2, and E.3.

Attachment E1 - Moretrench Corporate Profile

MORETRENCH

COMPANY PROFILE

One Company, Many Solutions

There is no such thing as the perfect construction site. The subsurface soils may be loose, soft, bouldery, or highly stratified. Ground water, sometimes contaminated, may be present above the proposed subgrade. Industrial or urban sites may be constrained by active or abandoned underground utilities, adjacent sensitive buildings, or noise and vibration limitations. Deep excavation or the need for complete ground water cut off may severely limit ground improvement options. And because there's no such thing as the perfect construction site, there's Moretrench.

At Moretrench, we specialize in design/build solutions for challenging construction requirements and subsurface conditions. Often, those conditions present two or more distinct problems. But because Moretrench can marshal diverse engineering, technology and equipment resources from within its own organization, the complete solution needed can be delivered under one, carefully scheduled contract. This translates to savings in both time and money.

Whether it's a matter of a single technology or a multi-faceted approach, Moretrench has the resources, the experience, and the expertise to provide the optimum solution. Our reputation has been earned through quality and service. That's a reputation you can build on.



Ground Freezing
Central Artery/Tunnel, Contract 9A4
Boston, Massachusetts



Liquid Nitrogen Ground Freezing
123 Washington Street
New York, New York



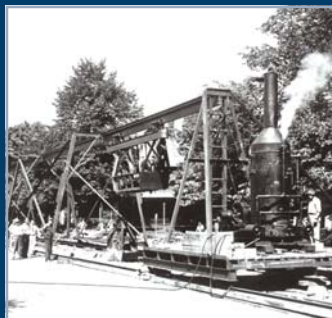
Drilled Shafts
National Grid Transmission Lines
New England



Urethane Grouting for Seepage Control
World Trade Center Bathtub Rehabilitation
Manhattan, New York

Built To Last...

Underpinned by more than 75 years of performance and quality, Moretrench has developed corporate strength and stability matched by few others. We enjoy a reputation for innovation and adaptability to meet the increasingly complex needs of the industries we serve. Our roots are proudly in the past – but our focus is firmly turned towards the future.



CONSTRUCTION & GEOTECHNICAL SERVICES

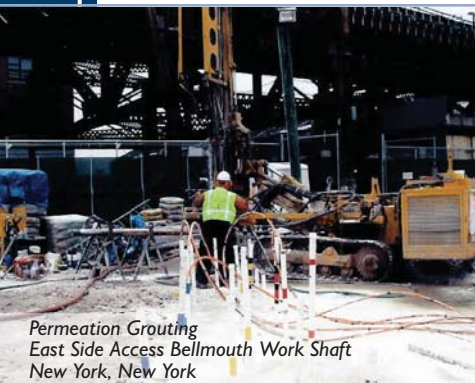
NEW JERSEY • FLORIDA • NEW YORK • MASSACHUSETTS
PENNSYLVANIA • DELAWARE • WASHINGTON, DC

MORETRENCH.COM | 800-394-MORE

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09/15/10

Services

Moretrench encompasses a range of specialized service divisions, each of which is staffed with personnel highly skilled and experienced in that division's engineering and construction disciplines. When the project calls for more than one of the services we offer, our divisions work as a closely-knit team to develop and deliver a coordinated approach that often enhances the overall construction schedule.



Whether it's a small job or a multi-million dollar project, unit price or turnkey, Moretrench has the technical capability, the equipment resources, and the bonding capacity to undertake private or public sector projects nationwide.

MORETRENCH

Construction Dewatering

Wells/wellpoints/ejectors, Groundwater treatment, Grouting

Hydraulic Barriers

Brine and liquid nitrogen ground freezing

Slurry trenches & biopolymer drains, Permanent dewatering systems

Earth Retention Systems

Soil nailing, H-beam and lagging, Soil/rock anchors, Structural slurry walls

Soil & Rock Stabilization

Grouting, Jet grouting, Rock bolting

Foundation Support

Conventional concrete underpinning, Micropiles

Earthwork

Phosphogypsum stack maintenance and closure, Landfill cell construction and closure

Relief wells/underdrain piping/toe drains, Boil remediation/void filling

Specialized Concrete Construction

Cast in place foundation and containment structures, Rehabilitation of concrete structures

Industrial Maintenance Service & Repair

Piping repair/fabrication/installation (ASME 'U' and 'S' certification, National Board 'R' Certification)

HDPE, S/S, carbon steel, rubber lined

Pumping stations/pipelines

Installation and repair of materials handling and mechanical systems

Landfill Gas Collection

LFG recovery wells, LFG collection piping/flares

GROUND/WATER TREATMENT & TECHNOLOGY

Groundwater & Wastewater Treatment

Installation and integration of the treatment process, with guaranteed results

Sale and rental of treatment equipment

Operation/maintenance by licensed operators

Product Recovery Systems & In Situ Treatment

Air Sparging and Soil Vapor Extraction systems

Odor & Hazardous Vapor Control



We Thrive On

When the project calls for a specialized service, call MORETRENCH.

We can customize our services – and fabricate materials – to meet even the most challenging site conditions and project requirements.





Challenge
 Problem calls for
 and approach,
 RENTCH first.
 ize the solution
 the equipment –
 e most difficult
 s or unusual
 needs.



What Sets Moretrench Apart?

"It's not just that we've been in the business for more than 75 years. It's not just that we have the engineering capability and resources to tackle almost any problem from groundwater control and treatment, to excavation support methods, to structural underpinning, to industrial maintenance and repair. And it's not just that we consistently deliver our design/build solutions on time and within budget. It's all of these things together — and more. What sets us apart is our focus on the best interests of our client. Moretrench has proven its ability to provide 'the complete package' to meet our clients' needs."

Art Corwin, President and Chief Executive Officer

Our Clients Respond

Large Scale Work --

"The [Central Artery/Tunnel ground freezing] system was successfully installed and operated by Moretrench...We can recommend Moretrench as a competent and experienced contractor for the design, installation and operation of large-size ground freezing installations."

*Michael Waters, Slattery, Interbeton, J.F. White, Perini,
 A Joint Venture*

Fast Response --

"...my sincere appreciation for the outstanding work you've done to get the pond water system operational...which is outstanding given the [post-hurricane] circumstances...It's nice to know that when speed is necessary, [Moretrench] has the talent to accomplish much."

Jeff Narrow, The Mosaic Company

Meeting Milestones --

"A major milestone of the [piping tie-in] project was completed this week thanks to [Moretrench's] well-planned and well-executed job...done safely and within the allowable time constraints."

Ken Norman, Cargill, Incorporated

Outstanding Performance --

"As a civil engineer for the U.S. Army Corps of Engineers for 27 years, I have seen many marginal contractors, occasionally a very good contractor, but rarely one to compare to Moretrench. The quality of your submittals, work, and timely completion were excellent and greatly appreciated."

Ronald R. Rutger, Jacksonville District Corps of Engineers

In Good Company

Moretrench counts many major companies among its clients, including:

Arcadis G&M, Inc. • Balfour Beatty • Brown and Caldwell • Granite Construction, Inc.
 James Construction Company, Inc. • James G. Davis Construction Corporation
 Judlau Contracting, Inc. • Kiewit Construction Corporation
 Kinder Morgan, Inc. • Kvaerner Industrial Constructors
 Langan Engineering & Environmental Services, Inc. • M.L. Shank Co., Inc.
 Allan A. Myers, Inc. • Obayashi Corp. • Progress Energy
 Schiavone Construction Co. • Skanska USA Building Inc.
 Tampa Electric Company • The Mosaic Company
 TRC Environmental Corporation • Tropicana Products, Inc.
 Tully Construction Co. Inc. • Urban Foundation/Engineering LLC
 Vollers Excavating & Construction, Inc.



Dewatering
 Senate Square Towers
 Washington, DC



Groundwater Treatment
 South Jersey Gas
 Egg Harbor City, New Jersey



Slurry Trench
 Erie Landfill
 North Arlington, New Jersey



Brine Ground Freezing
 Brightwater Conveyance System
 Seattle, Washington



MORETRENCH

New Jersey

100 Stickle Avenue
Rockaway, NJ 07866

Tel: 973/ 627-2100
Fax: 973/ 627-3950

Florida

11001 Fern Hill Drive
Riverview, FL 33569

Tel: 813/ 741-0256
Fax: 813/ 672-4754

New York

51 Smart Avenue
Yonkers, NY 10704

Tel: 914/ 423-1331
Fax: 914/ 423-0913

Massachusetts

16 Copicut Road (rear)
Assonet, MA 02702

Tel: 508/ 644-9952
Fax: 508/ 644-9965

Pennsylvania

460 Old Frankstown Road
Monroeville, PA 15146

Tel: 412/ 793-9303
Fax: 412/ 793-9313

Washington, DC

236 Massachusetts Avenue, N.E.
Suite 408
Washington, DC 20002

Tel: 202/ 544-0950
Fax: 202/ 544-0985

GROUND/WATER TREATMENT & TECHNOLOGY (GWTT)

New Jersey

P. O. Box 1174
Denville, NJ 07834

Tel: 973/ 983-0901
Fax: 973/ 983-0903

Delaware

1204 E. 12th Street
Building 4C
Wilmington, DE 19802

Tel: 877/ 654-0206
Fax: 302/ 654-0208

Massachusetts

97 Webster Lane
Worcester, MA 01603

Tel: 508-755-7075
Fax: 508-755-7206



Ground Freezing
New York City Water Tunnel No. 3, Shaft Excavation and Construction
New York, New York

BUSINESS INFORMATION

Serious About Safety

A construction and engineering firm cannot stay a viable business entity for over 75 years without an effective health and safety program. That Moretrench has consistently earned EMR ratings below 1.0 is a reflection of a corporate dedication to providing comprehensive health and safety training at all levels, and a workforce committed to putting that training into practice in the field, the shop and the office.

It is not unusual for our employees to go beyond OSHA-mandated health and safety regulations and develop innovative, project-specific procedures when warranted by difficult site conditions. One such program included building a scale model of the job site, with restricted work areas and mobile equipment routes. The model provided the parameters needed to develop appropriate safe work procedures during construction.

Personnel

Our permanent staff includes:

- Geotechnical Engineers
- Civil Engineers
- Environmental Engineers
- Field Technicians
- Field Supervisors
- Drillers
- Heavy Equipment Operators
- Pipe Fitters
- Welders

Equipment

- Excavators, dozers, front-end loaders, off-road trucks
- Crawler-mounted foundation rigs, truck-mounted auger drill rigs, mud rotary drills, hydraulic track drill rigs
- Mobile refrigeration (ground freezing) plants
- Wellpoint systems including monitoring/alarm systems
- HDPE fusion tools
- Slurry mixing plants
- Grouting, jet grouting equipment
- Treatment plants and groundwater remediation systems
- Data loggers/computer monitoring equipment

Bonding

Provided by CHUBB Surety.

A 100% Employee Owned Company

Attachment E2 - Summary of Recently Completed Anchor Projects

Post Tension Anchors Project List

Moretrench
100 Stickie Ave
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

| Job No. | Project Name and Location | Owner | Gen. Contractor | Amount | Type | Date Completed |
|------------------------|--|--|------------------------------|-----------------|---|----------------|
| 71-8190 | Recon. Of Grand Concourse Bronx, NY | NYCDOT - Division of Bridges | Slattery Skanska Inc. | \$ 99,000.00 | Permanent Tiebacks | January-07 |
| 71-8208 | La Guardia Airport Flushing, NY | Torcon, Inc. | J.D'Annunzio & Sons, Inc. | \$ 190,700.00 | Temporary Soil Anchors | June-07 |
| 71-8214 | Elizabeth Wave Screen Elizabeth, NJ | City of Elizabeth Dept. of Public Works | Spearin, Preston & Burrows | \$ 384,000.00 | Tiedown Anchors | April-07 |
| 71-8215 | Trenton-Morrisville Toll Bridge Morrisville, PA | Delaware River Joint Toll Bridge Commission | Conti Enterprises | \$ 646,250.00 | Permanent & Temporary Tiebacks | June-08 |
| 71-8218 | Henry Hudson Bridge Bronx, NY | New York City TBTA | Judlau Contracting, Inc. | \$ 446,400.00 | Permanent Tiedowns | October-09 |
| 71-8219 | Queens Hospital Flushing, NY | New York Hospital Queens | Macro Enterprises Ltd. | \$ 485,300.00 | Temporary Tiebacks | January-08 |
| 71-8228 | Owens Corning Kearny, NJ | Owens Corning | J.t. Cleary, Inc. | \$ 392,256.00 | Permanent Tiebacks | April-08 |
| 71-8231 | Sheepshead Bay Bulkhead Brooklyn, NY | NYC Economic Development | Trevcon Construction | \$ 902,104.00 | Permanent Tiebacks | April-08 |
| 71-8239 | Fairmount Substation Project Philadelphia, PA | SEPTA | Crossing Construction | \$ 245,800.00 | Permanent Tiebacks | January-08 |
| 71-4335 | Willis Avenue Bridge Bronx, NY | City of New York Department Of Transportation | Hayward Baker/Moretrench JV | | Temporary Anchors | in progress |
| 71-8260 | Calvary Cemetery Paterson, NJ | Calvary Cemetery | McCleskey Construction Co. | \$ 337,000.00 | Tiebacks | in progress |
| 71-8268 | Metrolap II Iselin, NJ | Metrolap Plaza Associates | The Gale Construction Co. | \$ 180,000.00 | Permanent Tiedowns | March-08 |
| 71-8275 | Amsterdam at Harborside Port Washington, NY | Amsterdam House Continuing Care Retirement Community | Pike Construction | \$ 1,610,250.00 | Permanent Tiedowns | March-09 |
| 71-8291 | PSE&G - Phase III Hackensack, NJ | Public Service Electric&Gas Co. | Creamer Environmental, Inc. | \$ 740,000.00 | Temporary Tiebacks | in progress |
| 71-8299 | Route 78/Garden State Pkwy. Interchange Union, NJ | NJ Dept. of Transportation | Union Paving | \$ 927,855.00 | Permanent Anchors | June-09 |
| 71-8303 | Proton Therapy Suite Renovation New Brunswick, NJ | Wm. Blanchard Co. | V/A Spatz & Sons Cons., Inc. | \$ 1,222,000.00 | Earth Retention, Soil Nailing, Tiedowns | December-08 |
| 136 of 155 09/25/07 | Motiva Brooklyn Terminal Brooklyn, NY | Motiva Enterprises LLC | Reicon Group, LLC | \$ 1,784,048.00 | Tiebacks, Tiedowns, Toepins | May-09 |
| 71-8311 | Capital Health Systems Pennington, NJ | Capital Health System | Macedos Construction | \$ 254,000.00 | Tiedowns | April-09 |

| Job No. | Project Name and Location | Owner | Gen. Contractor | Amount | Type | Date Completed |
|----------------|--|------------------------------------|---------------------------------------|-----------------|---|-----------------------|
| 71-8323 | WTC South Mezzanine Foundations Manhattan, NY | Port Authority of NY/NJ | Phoenix Constructors | \$ 1,861,430.00 | Tiedowns & Minipiles | March-09 |
| 71-8326 | Princeton Univ. - Pedestrian Bridge Princeton, NJ | Princeton University | Vollers Excavating & Construction | \$ 446,400.00 | Minipiles, Soldier Beams, Tiebacks, Lagging & Underpinning | March-09 |
| 71-8327 | National Grid Glenwood Landing, NY | Keyspan Generation LLC | MVN Assoc. Inc. | \$ 1,275,000.00 | Permanent Tiebacks | April-10 |
| 71-8363 | Intrepid Museum Growler Submarine New York, NY | Intrepid Museum Foundation | Trevcon Construction Co., Inc. | \$ 80,606.00 | Pile Pins | May-09 |
| 71-8366 | Former Koppers Seaboard Kearny, NJ | Beazer East, Inc. | Sevenson Environmental Services, Inc. | \$ 28,500.00 | Deadmen & Tierods | May-09 |
| 71-8379 | South Street Bridge Philadelphia, PA | City of Philadelphia | Driscoll Construction Co. | \$ 150,000.00 | Temporary Tiebacks | Jul-09 |
| 71-8390 | Pompton Lakes Dam Pompton Lakes, NJ | North Jersey District Water Supply | Konikus Corporation | \$ 149,550.00 | Permanent Tiebacks | Nov-09 |
| 71-8431 | Route 46 Dover, NJ | NJ DOT North Region | PKF-Mark III | \$ 247,050.00 | Earth Support System, Soldier Piles, Wales, Tiebacks, Lagging | in progress |
| 71-8447-001 | CQ031 Item 1 Queens, NY | MTA Capital Construction | GTF, JV | \$ 330,370.00 | Temporary Tiebacks & Walers | starting soon |
| 71-8447-002 | CQ031 Item 2 Queens, NY | MTA Capital Construction | GTF, JV | \$ 488,480.00 | Temporary Tiebacks & Wedge Plates | starting soon |
| 71-8447-003 | CQ031 Item 3&4 Queens, NY | MTA Capital Construction | GTF, JV | \$ 726,800.00 | Temporary Tiebacks, Wales, Soldier Piles & Toepins | starting soon |
| 71-8458 | Point View Dam Wayne, NJ | Passaic Valley Water Commission | Empco Contracting, Inc. | \$ 138,940.00 | Permanent Tiedowns | starting soon |

Attachment E3 - Resumes of Proposed Supervisors

Keith LaRue, P.E.**Project Manager**

Mr. LaRue has extensive design and management experience in a comprehensive range of specialty geotechnical methods for such applications as underpinning, earth retention/excavation support, soil stabilization and ground improvement. These include tieback and tiedown anchors, micropiles, grouting systems, soil nailing, and soldier pile and lagging retention systems.

As a project manager, his primary roles are proposal development, including design and analysis; cost estimating and budget oversight; project design and implementation; scheduling, and overall management of the project team. Mr. LaRue has been instrumental in the successful completion of projects ranging in value from \$100 thousand to over \$10 million

EDUCATION: BS in Civil Engineering, Worcester Polytechnic Institute, Worcester, MA, 1994
BA in Pre-Engineering, Stonehill College, N. Easton, MA, 1992

LICENSES: Registered Professional Engineer in New York, New Jersey, Massachusetts, Connecticut, Rhode Island, Pennsylvania, Delaware, Maryland and the District of Columbia

YEARS OF EXPERIENCE: Since 1989

PROFESSIONAL HISTORY:

2007 to present: Project Manager, Moretrench, Rockaway, NJ

2004 to 2007: District Manager, Nicholson Construction Co., Sparta, NJ

Responsible for cost estimating, contract negotiations, design, and management of a wide range geotechnical construction projects undertaken by the company's New York district office.

1996 to 2004: Spencer, White & Prentis Foundation Corporation

2000 to 2004: Regional Manager, New York, NY, having overall responsibility for day-to-day operations of the Northeast Regional Office and general oversight of all projects.

1997 to 2000: Project Engineer, Washington, D.C., responsible for bidding, negotiating, design and management of a range of construction projects.

1996 to 1997: Project Engineer, Boston, MA, responsible for the design and management of ground improvement, earth retention and underpinning projects using a variety of geotechnical methods.

1994 to 1996 Field Engineer, McPhail Associates, Cambridge MA

Primary responsibility involved monitoring of various construction operations such as shallow and deep foundation and earth support systems installation for conformance with local building codes and project specifications.

1989 to 1994: Field Foreman, Drilltech Corporation, Providence, RI,

College summer employment involving the supervision of numerous earth support, underpinning, and tieback installation projects.

**HEALTH &
SAFETY:**

Corporate Drug and Alcohol Testing Program
Annual medical monitoring program
CPR Trained
OSHA 40-hour HAZWOPER Training
OSHA 8-hour Annual HAZWOPER refresher
OSHA 10-hour Construction
Amtrak Contractor Training
LIRR Roadway Protection Training
Secure Access Worker Consortium (SWAC)
Transportation Worker Identification Credential (TWIC)

**PROFESSIONAL
AFFILIATIONS:**

Member, American Society of Civil Engineers
Member, Geo-Institute
Member, Association of State Dam Safety Officials

**TECHNICAL
PUBLICATIONS:**

**Technical Papers
& Presentations**

LaRue, K. (2010). "Permanent Soil Nail Wall Utilizing Chemical Grout Stabilization," Geo-Institute, *Earth Retention Conference 3*, Washington.

Technical Articles

"Permanent Soil Nail Wall Construction in Unstable Sands." Geo-Strata, Summer 2010.

Jeffrey Marron**Project Manager**

Mr. Marron is a Project Manager for Moretrench's Geotechnical Services division. He has extensive experience in a wide range of geotechnical construction techniques for a variety of applications, including earth retention/excavation support, foundation support, underpinning, and soil and rock stabilization. As a project manager, his primary roles are proposal development; preliminary design input; cost estimating and budget oversight; project implementation; scheduling, and overall management of the project team. Mr. Marron has been instrumental in the successful completion of projects ranging in value from \$100k to over \$4.0M

EDUCATION: B.S. in Civil Engineering, Manhattan College, Riverdale, NY, 1997

**YEARS OF
EXPERIENCE:** Since 1996

**PROFESSIONAL
HISTORY:**

2005 to date: Project Manager, Moretrench, Rockaway, NJ

2002 to 2005: Superintendent, Moretrench, Rockaway, NJ

Field Superintendent responsible for day-to-day activities associated with operation and maintenance of a range of geotechnical projects

1999 to 2002: Granite Halmar Construction, Mount Vernon, NY

Project Engineer/Assistant Superintendent for a variety of heavy construction and infrastructure projects

1997 to 1999: Grace Industries, Inc., Whitestone, NY

Project Engineer for a variety of heavy construction and infrastructure projects

1996 to 1996: Special Testing Laboratories Inc., Bethel, CT

Summer employment as a field technician performing testing and monitoring

**HEALTH
AND SAFETY:**

OSHA 40-hour HAZWOPER Training

OSHA 8-hour Annual HAZWOPER refresher

OSHA 10-hour Construction

OSHA 30-hour Occupational Health and Safety training

Confined Space training

Personal Protective Equipment training

Hazard Communication training

Respiratory Protection training

Fall Protection training

Corporate Drug and Alcohol Testing Program

Annual medical monitoring program

**PROFESSIONAL
AFFILIATIONS:**

Member, American Society of Civil Engineers

Marron, 2009

SELECTED PROJECT EXPERIENCE:

SOIL NAILING

Proton Therapy Facility, Robert Wood Johnson Memorial Hospital, New Brunswick, NJ: Project Manager for the installation of six levels of soil nails to support a 40-foot deep cut excavated for new facility foundations. Contract value \$1.2M.

Children's Specialized Hospital, New Brunswick, NJ: Project Manager for the installation of 9,700 square feet of soil nail excavation support for construction of an addition to the hospital facility.

Route 287 over Brockway Place, White Plains, NY: Project Manager for a temporary soil nail excavation support system installed immediately adjacent to an active highway for staged reconstruction of a highway bridge in an urban setting. Excavation height 24 to 28 feet.

Bucks County Parking Garage, Doylestown, PA: Project Manager for the installation of a soil nailed shotcrete wall, 1000 feet long with heights reaching 35 feet, as a value-engineered alternative to drilled-in soldier piles with timber lagging and tiebacks.

Route 309 Expressway, Fort Washington, PA: Superintendent for a 2-phase project involving the installation of soil nail walls, totaling 3,760 linear feet, adjacent to a busy highway to allow road widening for construction of new access and exit lanes. Soil nailed cuts ranged in depth from 20 to 40 feet.

MICROPILES

Dublin Road Pump Station, Jackson, NJ: Project Manager for the installation of 7-inch diameter micropiles and a needling beam system to raise a foundation structure that had settled non-uniformly during construction. The structure was raised to original position utilizing 10 hydraulic jacks connected to a common manifold system. Once repositioned, the structure load was permanently transferred to the micropiles.

Wards Island WPCP SHARON Facility PO-083G, Manhattan, NY: Project Manager for the installation of 603, 60-ton design capacity rock socketed micropiles, 9.625" diameter, for support of an advanced water treatment system. Contract value \$4.23M.

Oliver House, Borough of Brooklyn, New York, NY: Project Manager for construction of a battered and vertical network of 90, 125-ton compression capacity pressure-grouted micropiles to support axial, tension, and lateral loads for a 7-story structure adjacent to a NYCTA station structure.

Metro North Ossining Rail Station, Ossining, NY: Project Manager for the installation of 134, 20-ton design capacity micropiles, 5.5" diameter, for staged replacement of platforms and stair towers of existing Metro North Railroad station. Contract value \$1.6M.

311 Warren St., Brooklyn, NY: Project Manager for the installation of 35, 25-ton micropiles for a new foundation system.

Tompkinsville Station, Staten Island, NY: Project Manager for the installation of 22, 25-ton capacity micropiles for a new Toll Collection building.

PATH Wheel Truing Facility, Harrison, NJ: Project Manager for the installation of 140, 40-and 60-ton pressure grouted micropiles for support of a new PATH train car wheel truing facility in mixed alluvial ground conditions. Scope of work included installation of an internally braced excavation support system for construction of the truing pit and construction dewatering. Contract value \$1.2M

TIEBACK ANCHORS

PSE&G Hackensack Gas Works Phases 2 and 3, Hackensack, NJ: Project Manager for the installation of 250 temporary tiebacks to support a steel sheet pile excavation support system for site remediation. The project sited over a deep deposit of varved silt and clay adjacent to the Hackensack River.

Grand Concourse, Bronx, NY: Project Manager for the installation of 13, double corrosion protected anchors for lateral restraint of an existing retaining wall.

LaGuardia ATCT, Flushing, NY: Project Manager for the installation of 75, 80-kip capacity temporary tiebacks for lateral restraint of a steel sheeting excavation support system.

Trenton/Morrisville Toll Bridge, Morrisville, PA: Project Manager for the installation of 6 permanent and 16 temporary tieback anchors to facilitate PennDOT road widening.

Queens Hospital, Queens, NY: Project Manager for drilling and installation of 60, 120-kip capacity tiebacks through and existing excavation support sheeting system for lateral restraint.

Sheepshead Bay, Brooklyn, NY: Project Manager for the barge-facilitated installation of 110, double corrosion protection, low capacity anchors for lateral support of a new bulkhead.

EARTH RETENTION/EXCAVATION SUPPORT

Calvary Cemetery, Paterson, NJ: Project Manager for tieback installation to provide lateral restraint to a retention system installed for support of excavation.

Gateway Center, Bronx, NY: Project Manager for the installation of 9,000 square feet of soldier beam and lagging excavation support, 58, 40 to 80- kip capacity tiebacks, and walers to facilitate excavation in connection with the construction of a large new retail complex.

The Sienna, Montclair, NJ: Project Manager for a, multi-technique contract involving soldier beams and lagging, tiebacks, soil nails, underpinning, and internal bracing to facilitate excavation for new foundations. Contract value \$2M.

Home Depot, Mt. Pleasant, NJ: Project Manager for the installation of an excavation support system consisting of drilled in soldier piles, lagging, tiebacks and walers to facilitate excavation for a new Home Depot.

Orchard Square Apartments, East Rutherford, NJ: Project Manager for the installation of approximately 6,700 square feet of soldier beam and lagging temporary earth retention to support a cut of 16 to 25 feet for new, multi-story construction. Temporary tiebacks were installed where the depth of cut dictated the need for additional lateral support.

Brian D. Barkauskas**Staff Engineer**

Mr. Barkauskas' responsibilities include preliminary design, cost estimating, on-site technical field supervision, quality control/quality assurance, and data compilation and interpretation for both new construction and remedial projects. His particular areas of expertise include sheetpile and soldier beam and lagging excavation support systems, tieback anchors, and micropile and augercast pile foundation systems. Mr. Barkauskas is a highly motivated staff engineer with excellent client communication skills.

EDUCATION:

B.S. in Civil Engineering, Columbia University, Fu Foundation School of Engineering, New York, NY, 2006

B. S. in Physics, Muhlenberg College, Allentown, PA, 2004

**YEARS OF
EXPERIENCE:**

Since 2003

**PROFESSIONAL
HISTORY:**

2006 to present: Staff Engineer, Moretrench, Rockaway, NJ

2005: Moretrench, Rockaway, NJ

Engineering Intern attached to the company's Geotechnical Division. Participated in preliminary design through construction for projects involving sheetpile and soldier beam and lagging excavation support, and anchored wall systems.

2004 to 2005: The Carleton Strength of Materials Laboratory, New York, NY

Work Study Program Employee with responsibility for laboratory maintenance.

2003 to 2004 Medina Consultants, P.C., Hackettstown, NJ

Summer Civil Engineering Division intern assigned as part of the project team to perform such tasks as on-site utility investigations, cut and fill calculations, basic AutoCADD and Microstation "red-line" mark-ups, and report writing.

**HEALTH
AND SAFETY:**

OSHA 40-hour HAZWOPER training

OSHA 8-hour annual HAZWOPER refresher

OSHA 10-hour Construction

Corporate Drug and Alcohol Testing Program

Annual Medical Monitoring Program

**PROFESSIONAL
AFFILIATIONS:**

Member, ASCE

SELECTED PROJECT EXPERIENCE:

EXCAVATION SUPPORT SYSTEMS

Electric Boat (General Dynamics), Groton, CT: Staff Engineer for the installation of 266 horizontally drilled sleeves to facilitate installation by others of passive tieback anchors to remediate failing cellular cofferdam nuclear submarine graving docks.

MIT Sloan Building, Cambridge, MA: Staff Engineer for the installation and proof testing of 54 Single Borehole Multiple Anchor (SBMA) tiebacks, ranging in capacity from 88 to 200 kips, to provide additional support for a cross-lot braced excavation support system installed by others.

MICROPILES

PSE&G Hudson Generating Plant Retrofit, Jersey City, NJ: Staff Engineer for the installation of 72, 125-ton capacity mini-caissons (rock-socketed micropiles) in restricted space within an operating facility for new column support. Contract value \$2.5M.

Mosaic Phosphate Power Plant, Bartow, FL: Staff Engineer for the installation of 20, 30-ton design capacity micropiles for support of settling DAP Fan foundations.

AUGERCAST PILES

Mosaic Phosphate Power Plant, Bartow, FL: Staff Engineer for the installation of 242, 14-inch diameter Augercast piles for new construction foundations.

Peter Erik**Project Superintendent**

Mr. Erik is a highly motivated and proactive project superintendent with 25 years of construction experience and an impeccable safety record. He has in-depth expertise in a range of specialty geotechnical construction techniques, particularly soil nailing, anchors and tiebacks, micropiles, underpinning, and augercast piling. Heavy civil experience includes soldier pile & lagging systems and steel sheetpiling earth retention systems. He has advanced skills in inspection, testing, surveying and layout.

As project superintendent, Mr. Erik is responsible for all on-site aspects of the work, including proper execution of the work plan, quality control/quality assurance, monitoring and testing, site safety, and effective client communication.

EDUCATION: County College of Morris, Randolph, NJ

**YEARS OF
EXPERIENCE:** Since 1983

**PROFESSIONAL
EXPERIENCE:**

2004 to date: Moretrench, Rockaway, NJ

1987 to 2004: Spencer, White & Prentis Foundation Corp., Lafayette, NJ
Project Superintendent for a variety of earth support, underpinning and deep foundation projects with contract values up to \$3M.

1983 to 1987: Laborers Union, Bergen County, NJ Local 509

**HEALTH
AND SAFETY:**

OSHA 40-hour HAZWOPER training
OSHA 8-hour annual HAZWOPER refresher
OSHA 10-hour Construction

**PROFESSIONAL
AFFILIATIONS:**

Dockbuilders Union, Local 1456

SELECTED PROJECT EXPERIENCE:

Proton Therapy Facility, Robert Wood Johnson Memorial Hospital, New Brunswick, NJ: Superintendent for the installation of six levels of soil nails to support a 40-foot deep cut excavated for new facility foundations. Contract value \$1.2M.

PSE&G Hudson Generating Plant Retrofit, Jersey City, NJ: Superintendent for the installation of 72, 125-ton capacity micropiles in restricted space within an operating facility for new column support. Contract value \$2.5M.

Massachusetts Institute of Technology (MIT), Boston, MA: Superintendent for installation of three levels of temporary tiebacks for lateral support of a structural slurry wall installed to facilitate excavation for new foundations.

Rutgers University Football Stadium, New Jersey: Superintendent for installation of a soil nail wall for excavation support to facilitate footing installation for a new sports stadium. Contract value \$1.3M.

Route 1 Expansion, Trenton, NJ: Superintendent for installation of tied back soldier pile and lagging walls at multiple locations along Route 1 for new bridge abutment construction. Contract value \$0.75M.

The Peck School, Morristown, NJ: Superintendent for conventional concrete pit underpinning, soldier beam and lagging walls, and tieback installation for school expansion. Contract value \$1.8M.

Bear Creek Dam, Hodges, Alabama: Superintendent for installation of a tied back soldier beam and lagging wall for dam reconstruction. 28 tiebacks were installed, ranging from 60 to 150 tons in capacity.

International Trading Center, Mount Olive, NJ: Superintendent for the installation of six levels of soil nails to reinforce two sections (300 linear feet in total) of a 40-foot high failing retaining wall. Concrete columns were poured against the soil nails for additional reinforcement. Contract value \$2M.

Princeton University, Princeton, NJ: Superintendent for the installation of an on-line soil nail wall to provide support for two, 30-inch chilled water pipes supplying the University's computer system as well as excavation support for the installation of new footings.

Princeton University, Princeton, NJ: Superintendent for the construction of a 3-level soil nail wall to provide excavation support for new foundation installation, and also installation of rock protection.

Owens Corning, Passaic River, NJ: Superintendent for the barge-facilitated installation, proof testing and performance testing of high capacity, double-corrosion-protection anchors for lateral support of a new steel sheet bulkhead installed to support a high tension tower. Contract value \$0.4M.

Sheepshead Bay, Brooklyn, NY: Superintendent for the barge-facilitated installation of 110, double corrosion protection, low capacity anchors for lateral support of a new bulkhead.

Montclair, NJ: Superintendent for a \$2M, multi-technique contract involving soldier beams and lagging, tiebacks, soil nails, underpinning, and internal bracing to facilitate excavation for new foundations.

Erik 2010

RESUME

MORETRENCH

Jason M. LaRue

Project Superintendent

Mr. LaRue is a highly motivated and proactive project superintendent with an impeccable safety record. He has in-depth experience in a wide range of heavy civil and specialty geotechnical construction techniques, including soldier pile & lagging and steel sheetpiling earth retention systems; marine bulkhead construction; micropiles; soil nailing; anchors and tiebacks; jet grouting; and drilled and driven piles. He has advanced skills in inspection, testing, surveying and layout.

As project superintendent, Mr. LaRue is responsible for all on-site aspects of the work, including proper execution of the work plan, quality control/quality assurance, monitoring and testing, site safety, and effective client communication.

EDUCATION:

B.S. in Construction Management/Industrial Technology
Roger Williams University, Bristol, RI, 1996

LICENSES & CERTIFICATION:

Certified Welder, Massachusetts DOT
Certified Welder, Massachusetts Mig
Certified Forklift Operator
Certified PADI Open Water Diver

YEARS OF EXPERIENCE:

Since 1992

PROFESSIONAL EXPERIENCE:

2004 to date: Moretrench, Rockaway, NJ

1993 to 2004: Spencer, White & Prentis Foundation Corp.

Mr. LaRue served at various company locations in New Jersey, Massachusetts and Washington D.C. Primary responsibilities included extensive pile and tieback testing, and project management for earth retention and foundation system contracts.

1992 to 1993: Drilltech Corporation, Providence, RI

Welder/shop hand, with primary responsibility for repair of construction equipment.

HEALTH AND SAFETY:

OSHA 40-hour HAZWOPER training
OSHA 8-hour annual HAZWOPER refresher
OSHA 10-hour Construction
Corporate Drug and Alcohol Testing Program
Annual Medical Monitoring Program

Jason LaRue 2008

SELECTED PROJECT EXPERIENCE:

Willis Avenue Bridge, Bronx, Manhattan, NY: Project Superintendent for the installation of 600, 150-tons micropiles for a new bridge foundation. Four compression and four tension pile load tests were conducted to verify the micropile design. Scope of work also included the installation and proof-testing of 16 tiebacks, ranging from 50 to 150 tons in capacity, for lateral support of a retaining wall. Total contract value \$19M.

New York City DEP Water Pollution Control Plant, Ward's Island, Manhattan, NY: Project Superintendent for installation of 605, 60-ton, rock-socketed micropiles to support the first SHARON denitrification facility to be installed in the United States and an associated Heat Exchange building. Fifty six of the micropiles were constructed in lead contaminated soils under HAZMAT Level C conditions. Ten compression, eight tension and nine lateral load tests were conducted on production piles to verify the design.

Starlite Park, Bronx, NY: Project Superintendent for the installation and testing of 16 tiebacks, ranging in capacity from 50 to 150 kips, and installation of 12 walers for lateral restraint of a temporary excavation support system installed to facilitate the removal of contaminated soils.

PSE&G, Hackensack, NJ: Project Superintendent for the installation and testing of 162 tiebacks, ranging in capacity from 50 to 80 kips, for lateral restraint of a temporary excavation support system installed to facilitate the removal of contaminated soils. Contract value 0.75M

Avalon Bay, Long Island City, Queens, NY: Project Superintendent for the installation and testing of 149 tiebacks, ranging in capacity from 125 to 180 kips, and installation of 18 micropiles, heel block and rakers and corner braces for excavation support to facilitate removal of contaminated soils. Contract value 0.75M

Queens West Stage 4 Bulkhead, Long Island City, Queens, NY: Project Superintendent for the installation and testing of seven, 60-kip, double corrosion protected tiebacks for lateral support of a new bulkhead.

Riverplace II, Manhattan, NY: Project Superintendent for the installation and testing of 90, 220-kip tiebacks and 176 toepins for lateral support of a sheetpile wall installed to facilitate removal of contaminated soils.

Summit Medical Center, Berkley Heights, NJ: Project Superintendent for the installation of 33 drilled soldier piles, a lagging wall and 11 walers, and installation and testing of 22 permanent tiebacks, ranging in capacity from 100 to 120 kips, for excavation support to facilitate new construction close to existing buildings.

St Francis Hospital, Long Island, NY: Project Superintendent for the installation and testing of 180 tiebacks, ranging in capacity from 120 to 140 kips, for lateral restraint of an excavation system installed to facilitate new building construction.

Sunrise Senior Living, Staten Island, NY: Project Superintendent for the installation and testing of 97 rock bolts and the placement of 15,000 square feet of wire mesh for rock fall protection.

Sunrise Senior Living, Staten Island, NY: Project Superintendent for the installation and testing of 155 battered rock anchors through new building footings.

Jason LaRue 2008

Kyle G. Davis**Project Superintendent**

Mr. Davis is experienced in utilizing a range of specialty geotechnical construction techniques for new construction and remedial applications. His particular areas of expertise are focused around soldier pile and lagging and steel sheetpiling earth retention systems; micropiles; soil nailing; anchors and tiebacks; grouting; and drilled and driven piles. In addition to project supervision, his responsibilities include cost estimating, submittal preparation, project coordination, project resource management, and client interface.

EDUCATION: Manasquan High School, Manasquan, NJ, 1999
B.A. in Political Science/Philosophy, Rutgers, NJ, 2005

YEARS OF EXPERIENCE: Since 1999

PROFESSIONAL EXPERIENCE: **2005 to date: Moretrench, Rockaway, NJ**
1999 to 2005: Tiger Construction, Farmingdale, NJ

HEALTH AND SAFETY: OSHA 40-hour HAZWOPER training
OSHA 8-hour annual HAZWOPER refresher
OSHA 10-hour Construction
Corporate Drug and Alcohol Testing Program
Annual Medical Monitoring Program

SELECTED PROJECT EXPERIENCE:

Willis Avenue Bridge, Bronx, Manhattan, NY: Installation of 600, 150-tons micropiles for a new bridge foundation. Four compression and four tension pile load tests were conducted to verify the micropile design. Scope of work also included the installation and proof-testing of 16 tiebacks, ranging from 50 to 150 tons in capacity, for lateral support of a retaining wall. Total contract value \$19M.

Swinging Bridge Dam, Forestburgh, New York: Rehabilitation of an earthen dam. The work included sinkhole repair and installation of a conduit filter and toe drain system, components of which included installation of two braced steel sheet cofferdams; design and installation of a deep well system to maintain excavation stability; excavation of in-place soils; placement and compaction of engineered backfill aggregates; and installation of horizontal drain piping.

DEP UV Facility, Valhalla, NY: Installation of 245 soldier piles, 64,000 square feet of lagging, and 470 tieback anchors with capacities up to 250 kips for support of a deep excavation.

Bucks County Parking Garage, Doylestown, PA: Design and construction of 18,000 square feet of temporary soil nail excavation support to allow for construction of new municipal parking garage in mixed overburden, residual soils, and weak sedimentary rock. A soil nail system was a value-engineered alternative to replace conventional anchored soldier beam and lagging system and accelerate project schedule. Contract value \$745,000.

Astoria Energy Power Plant Expansion, Phase II: Installation of 1650, 18-inch diameter auger cast piles to a depth of 50 feet for a new facility foundation.

NAVFAC Building 9, Philadelphia, PA: Installation of 99 micropiles for a new facility foundation.

Route 9A, Peekskill, NY: Installation of a permanent soil nail wall constructed as part of a highway widening project.

Liam M. Davis

Project Superintendent

Mr. Davis is experienced in utilizing a range of specialty geotechnical construction techniques for new construction and remedial applications. His particular areas of expertise are focused around micropiles; anchors and tiebacks; seacant excavation support systems; and grouting. In addition to project management, his responsibilities include cost estimating, submittal preparation, project coordination, project resource management, and client interface.

EDUCATION:

Christian Brothers Academy, Lincroft, NJ, 1995
B.A. in English and Philosophy, Rutgers, NJ, 2003

YEARS OF EXPERIENCE:

Since 2001

PROFESSIONAL EXPERIENCE:

2010 to date: Moretrench, Rockaway, NJ
2006 to 2010: Structural Preservation Systems, Hawthorne, NJ
2001 to 2006: Tiger Construction, Wall Township, NJ

HEALTH AND SAFETY:

OSHA 10-hour Construction
MSHA – 46 & 78 Level for Above Surface Mining
Confined Space Training
Personal Protective Equipment Training
Respiratory Protection Training
Fall Protection Training
Corporate Drug and Alcohol Testing Program
Annual Medical Monitoring Program

SELECTED PROJECT EXPERIENCE:

303 East 33rd Street, New York, NY: Project manager for the installation of 175 rock-socketed micropiles with 150-ton to 250-ton design loads. Total contract value of \$737,000.

540 West 28th Street, New York, NY: Project manager for the installation of 65 rock-socketed micropiles with 150-ton design load, 99 temporary tiebacks with 70 kip design load, nine (9) permanent rock anchors with 150-kip design load, and one (1) micropile lateral load test. Total contract value of \$1,141,000.

Raymore & Flanigan, Phillipsburg, NJ: Project manager for the injection of 4,000 cubic yards of low mobility and compaction grout. Total contract value of \$1,625,000.

RESUME



340 & 342 West 40th Street, New York, NY: Project manager for the installation of 200 rock-socketed micropiles with 120-ton design loads. Total contract value of \$1,600,000.

61-63 Chrystie Street, New York, NY: Project manager for the installation of a soilmix secant wall inclusive of 80 temporary tiebacks with 40 kip design loads as well as 20,000 gallons of microfine permeation grouting. Total contract value of \$890,000.

Logan C. Hamilton

Project Superintendent

Mr. Hamilton has experience with a range of specialty geotechnical techniques, including soil nailing, anchors and tiebacks, micropiles, soldier beam and lagging systems and sheetpiling. He is also experienced in various verification testing procedures. As a project superintendent, his responsibilities include supervision of on-site crew(s) in the day-to-day execution of the work in accordance with project goals, ensuring that the work is performed in a safe manner and in accordance with OSHA requirements, maintaining adequate materials and equipment inventory on site to support production work, and client interface.

EDUCATION: Associates Degree in Construction Management, Frederick Community College, Frederick, MD

YEARS OF EXPERIENCE: Since 2007

PROFESSIONAL HISTORY:

2010 to Present: **Moretrench, Rockaway, NJ**
Project Superintendent for a range of specialty geotechnical work

2007 to 2009 **Moretrench, Pittsburgh, PA**
Pile Driver for a range of specialty geotechnical work

HEALTH AND SAFETY: OSHA 10-hour Construction
AMTRAK & Long Island Railroad Construction training for New York City
Corporate Drug and Alcohol Testing Program
Annual medical monitoring program

SELECTED PROJECT EXPERIENCE:

Four Seasons at Great Notch, Clifton, NJ: Superintendent for installation of a soil nail wall for excavation support for new construction.

Ward's Island WPCP - Phase III, Borough of Manhattan, New York, NY: Superintendent for the installation of micropile foundations for support of an overhead air pipe and a pump station.

NAVFAC Building 9, Philadelphia, PA: Superintendent for installation of 99 micropiles for a new facility foundation.

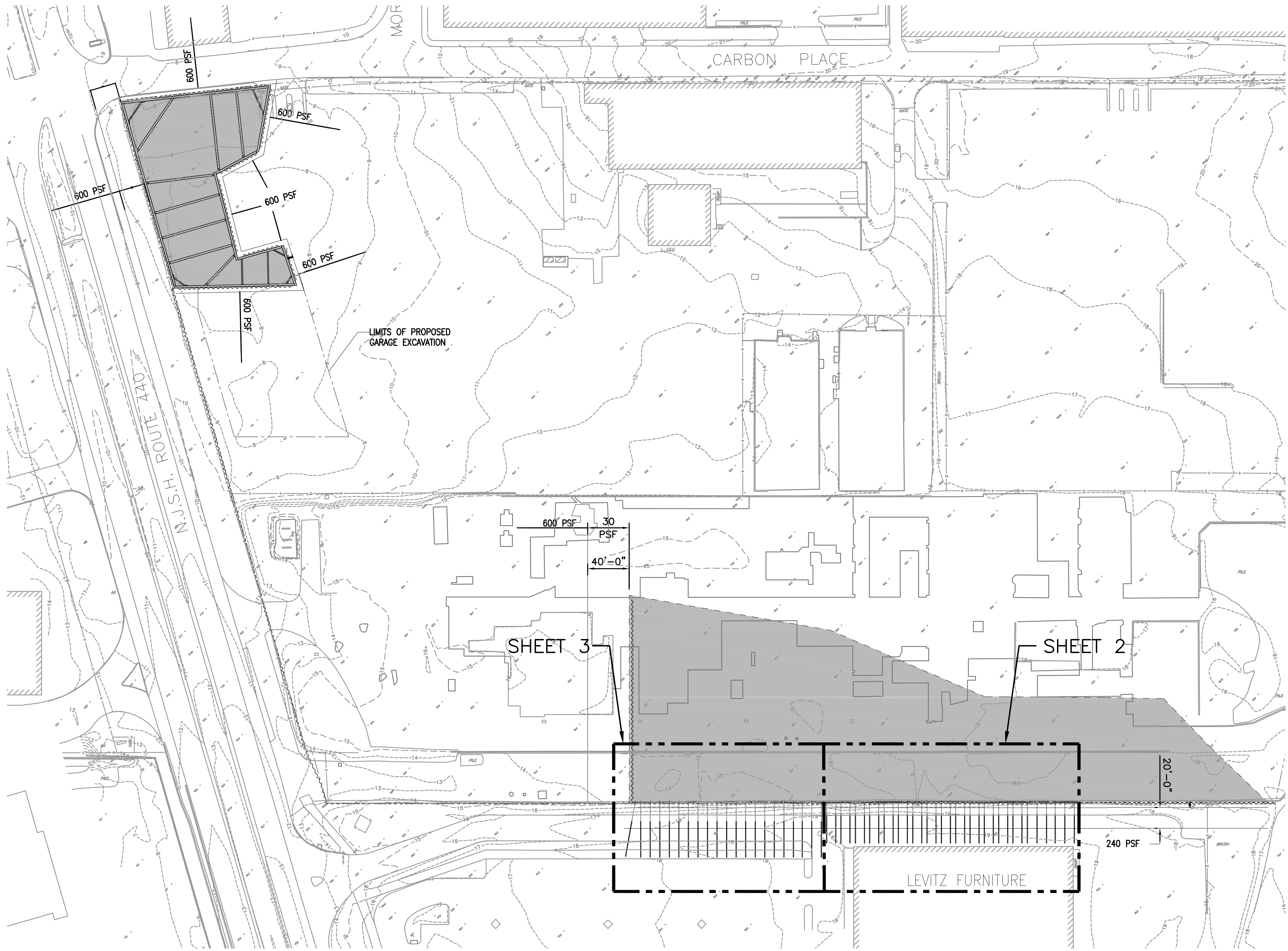
PTC Reconstruction MP 75.21, New Stanton, PA: Drill tender and proof, performance and creep testing for installation of 281 each, rock-socketed caissons for a soundwall foundation and permanent tieback anchors for wing wall stabilization.

SR 718 State Street Bridge, Sharon, PA: Drill tending and load testing for installation of 56, 9 5/8-inch diameter micropile foundations with full-length reinforcing steel to depths in excess of 100 feet for new bridge crossing the Shenango River.

PennDOT District 11 - SR885 Boulevard of the Allies, Pittsburgh, PA: Anchor testing associated with reconstruction of Boulevard of the Allies, Forbes Ave. and Fifth Ave. Interchange. Total scope of work included removal and replacement of a 3-span bridge and two ramps, construction of three anchored soldier pile and lagging walls, construction of two new reinforced concrete paved ramps, and numerous utility relocations. Contract value \$29.5M.


Indian Valley High School, Lewistown, PA: Verification testing of permanent soil nails installed during construction of a new high school.

| DWG. NO. | TITLE |
|----------|--|
| 1 | SITE PLAN |
| 2 | PLAN & ELEVATION 45° TIEBACKS - T-1 THRU T-34 |
| 3 | PLAN & ELEVATION 30° TIEBACKS - T-35 THRU T-55 |
| 4 | TEMPORARY TIEBACK DETAILS |
| 5 | WALER DETAILS |
| 6 | GENERAL AND TEST NOTES |



NOTE:
THE ELECTRONIC FILE USED TO GENERATE THIS DRAWING IS S-202, TITLED "ALLOWABLE LIVE LOAD SURCHARGE", REV. C DATED 5-6-10 BY MACTEC ENGINEERING AND CONSULTING COMPANY AND MUSER RUTLEDGE CONSULTING ENGINEERS FOR HONEYWELL.

SITE PLAN


NORTH

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HONEYWELL
NEW JERSEY CITY REDEVELOPMENT
BUILDING 5 EXCAVATION SUPPORT
JERSEY CITY, NEW JERSEY
**TEMPORARY TIEBACKS
SITE PLAN**

DRAWN BY: SW
APPROVED: TPH
SCALE: 1"=50'-0"
DATE: SEPT. 14, 2010
JOB NUMBER: 71-BXXX

MORETRENCH

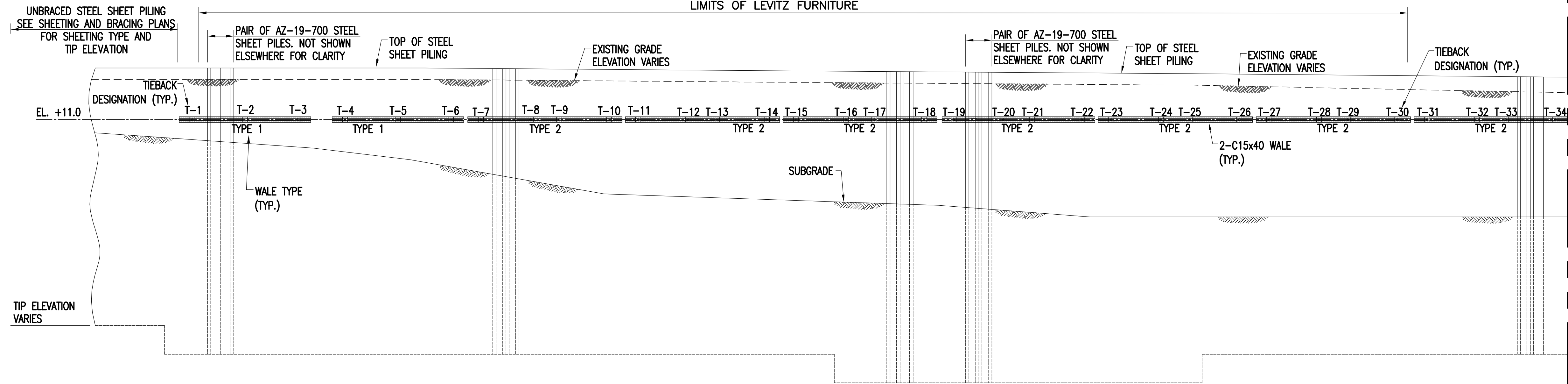
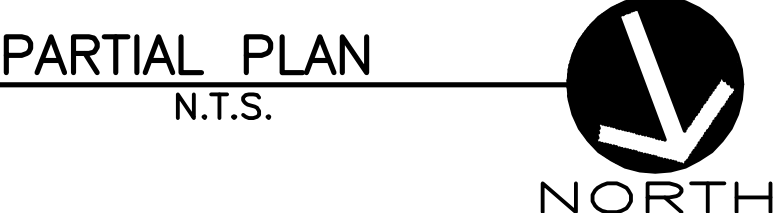
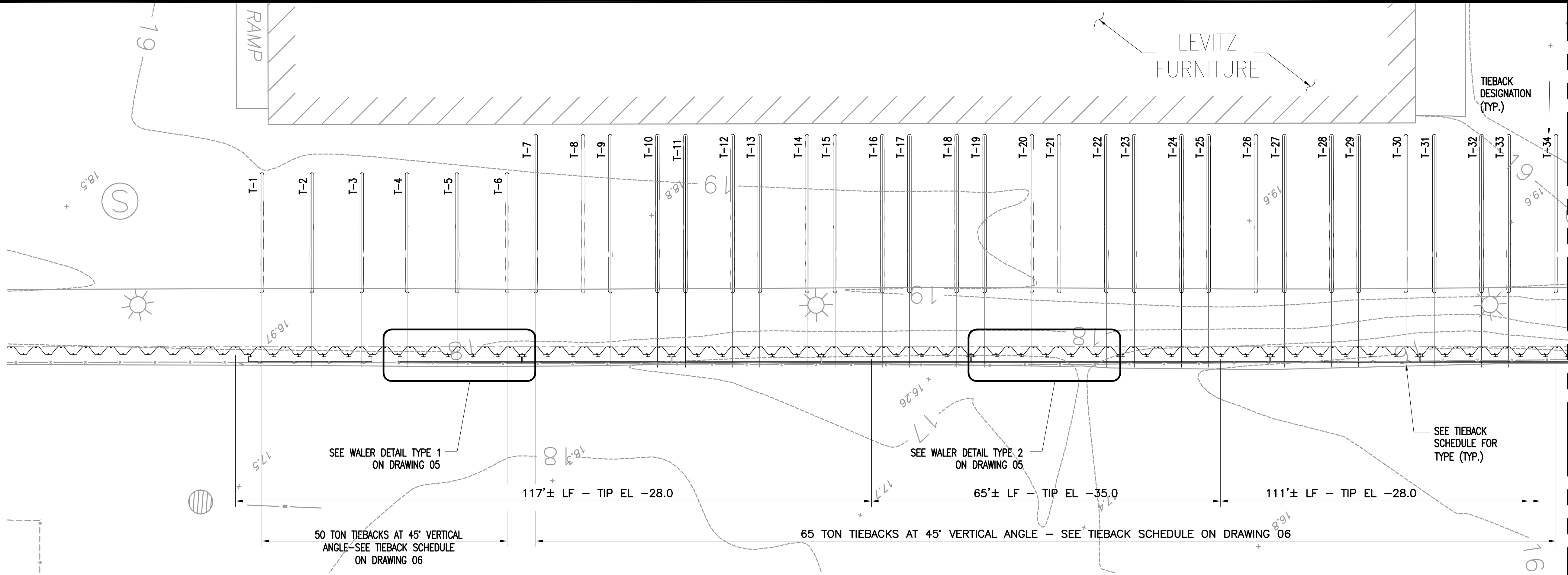
100 Stickle Avenue
Rockaway, NJ 07866-3146
Phone: (973) 627-2100
Fax: (973) 586-7265

REVISION NO. 

SHEET NO. 1 OF 6

DWG. No. 01

T:\Contracts\Open Contracts\Job 84XX- Honeywell Remediation\Engineering\Shop Drawings\AutoCAD\84XX-HONEYWELL.dwg



NOTE:
THE ELECTRONIC FILE USED TO GENERATE THIS DRAWING ARE S-114, TITLED "SHEETING AND BRACING PLAN - SHEET 4 OF 5", REV. C DATED 5-6-10, S-115 "SHEETING AND BRACING PLAN - SHEET 5 OF 5", REV. C DATED 5-6-10, AND S-130, TITLED "SHEETING SOUTH ELEVATION - SHEET 1 OF 2", REV. C DATED 5-6-10 BY MACTEC ENGINEERING AND CONSULTING COMPANY AND MUSER RUTLEDGE CONSULTING ENGINEERS FOR HONEYWELL.

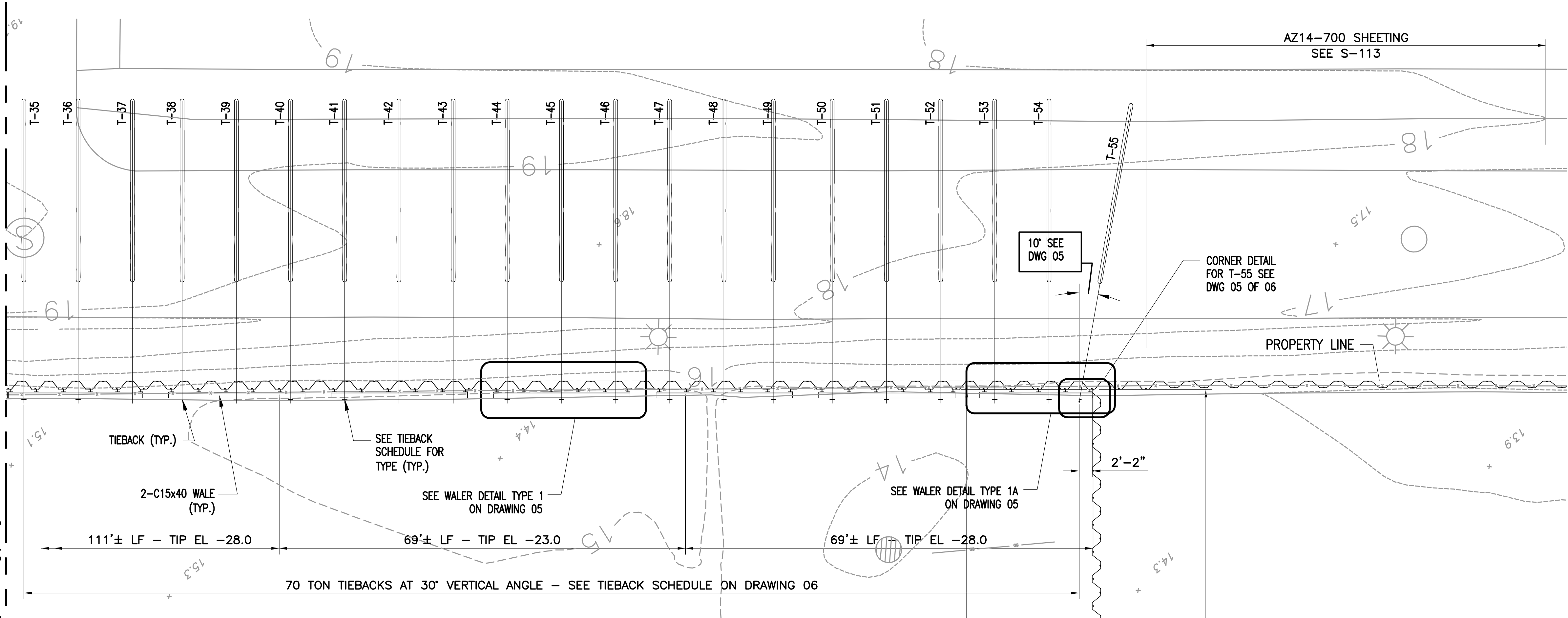
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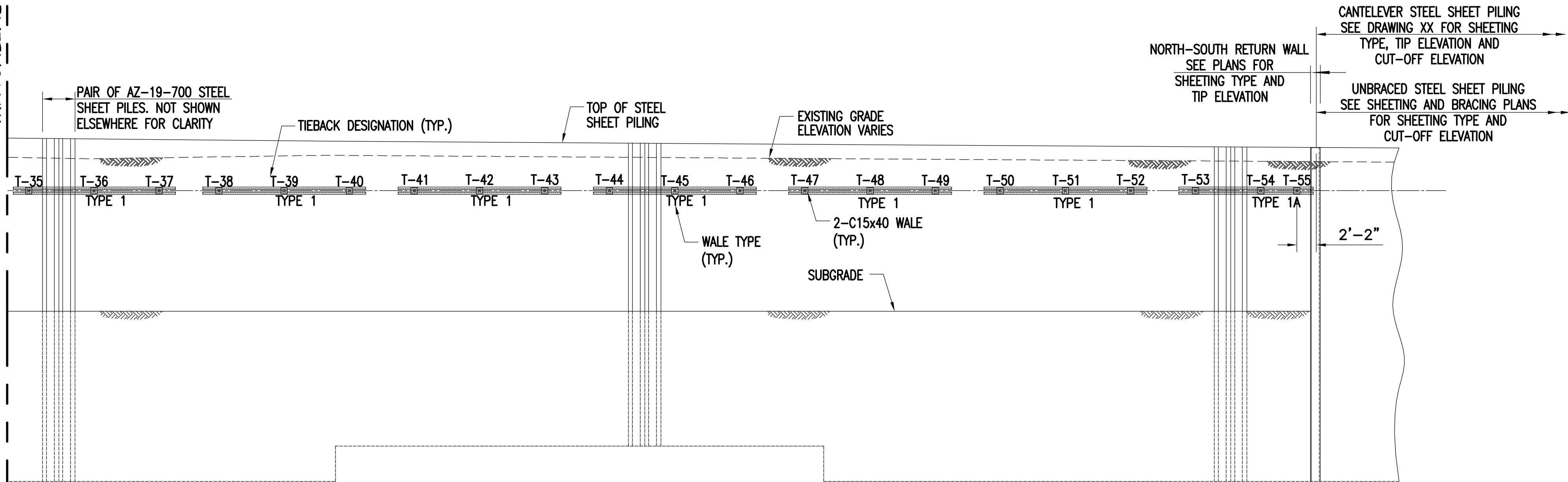
MATCHLINE A-A SHEET 3 OF 6

| | | | | | |
|--|--|--|--|---|--|
| MORETRENCH 100 Stickle Avenue Rockaway, NJ 07866-3146 Phone: (973) 627-2100 Fax: (973) 586-7265 | | DRAWN BY: SW APPROVED: TPH SCALE: 1"=50'-0" DATE: SEPT. 14, 2010 JOB NUMBER: 71-BXXX | | HONEYWELL NEW JERSEY CITY REDEVELOPMENT BUILDING 5 EXCAVATION SUPPORT JERSEY CITY, NEW JERSEY TEMPORARY TIEBACKS PLAN & ELEVATION 45° TIEBACKS 45° TIEBACKS T-1 THRU T-34 | |
| REVISION NO. | | SHEET NO. 2 OF 6 | | DWG. No. 02 | |
| NO. | | REVISION | | BY DATE | |

MATCHLINE A-A SHEET 2 OF 6



PARTIAL PLAN
N.T.S.



PARTIAL ELEVATION
N.T.S.

NOTE:

THE ELECTRONIC FILE USED TO GENERATE THIS DRAWING ARE S-114, TITLED "SHEETING AND BRACING PLAN - SHEET 4 OF 5", REV. C DATED 5-6-10, S-115 "SHEETING AND BRACING PLAN - SHEET 5 OF 5", REV. C DATED 5-6-10, AND S-130, TITLED "SHEETING SOUTH ELEVATION - SHEET 1 OF 2", REV. C DATED 5-6-10 BY MACTEC ENGINEERING AND CONSULTING COMPANY AND MUSER RUTLEDGE CONSULTING ENGINEERS FOR HONEYWELL.

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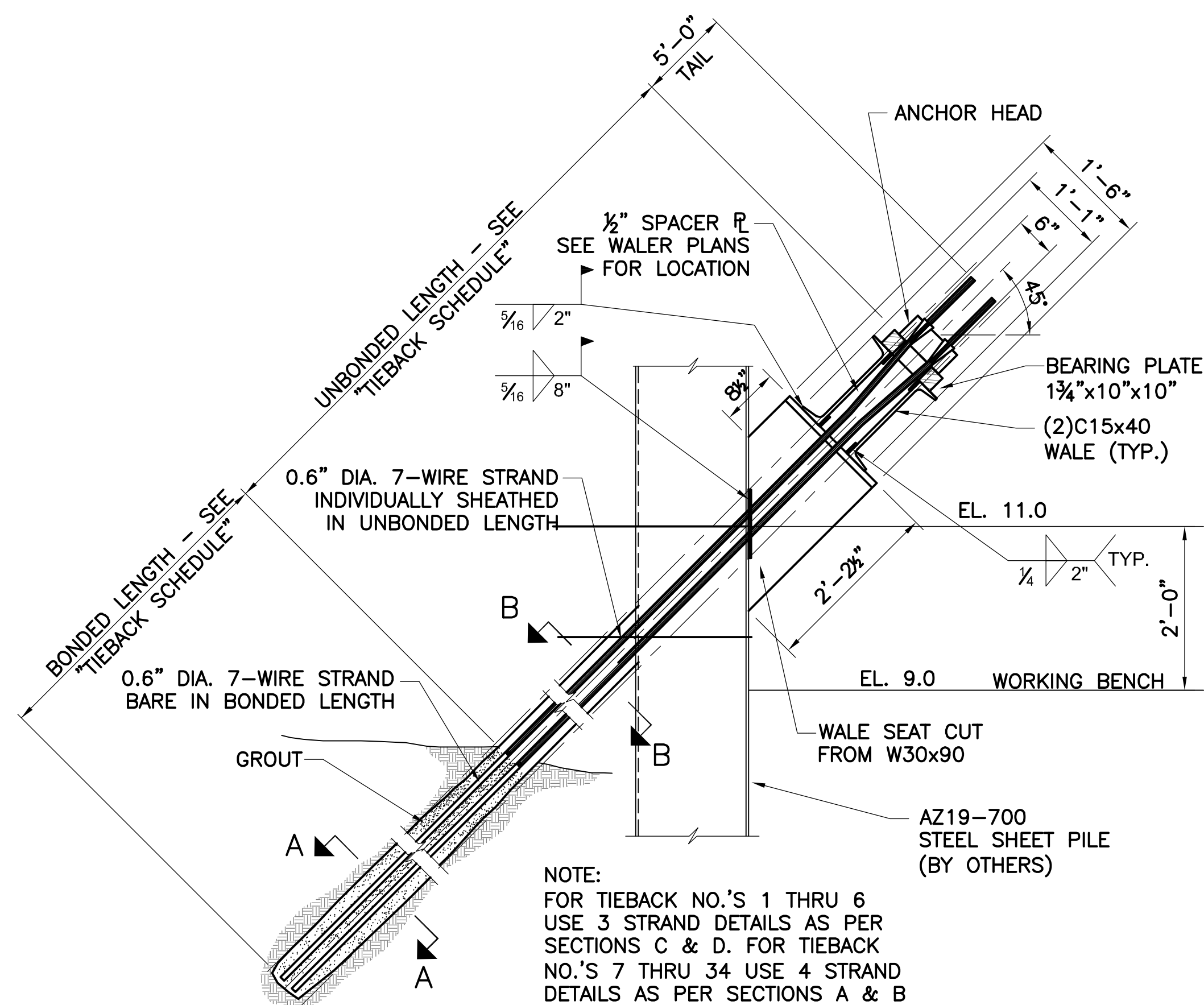
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HONEYWELL
NEW JERSEY CITY REDEVELOPMENT
BUILDING 5 EXCAVATION SUPPORT
JERSEY CITY, NEW JERSEY
TEMPORARY TIEBACKS
PLAN & ELEVATION
30" TIEBACKS T-35 THRU T-55

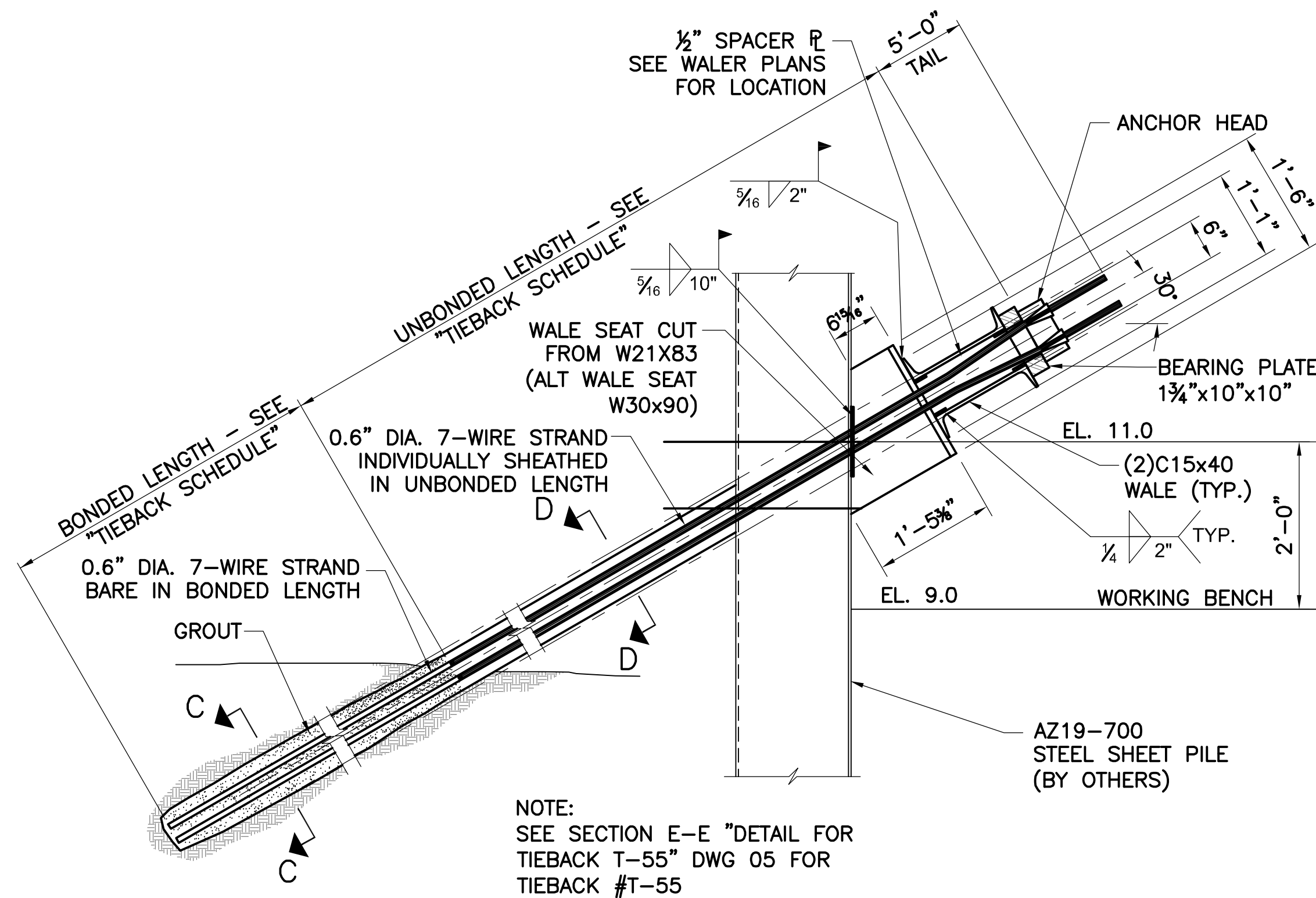
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JOB NUMBER: 71-BXXX

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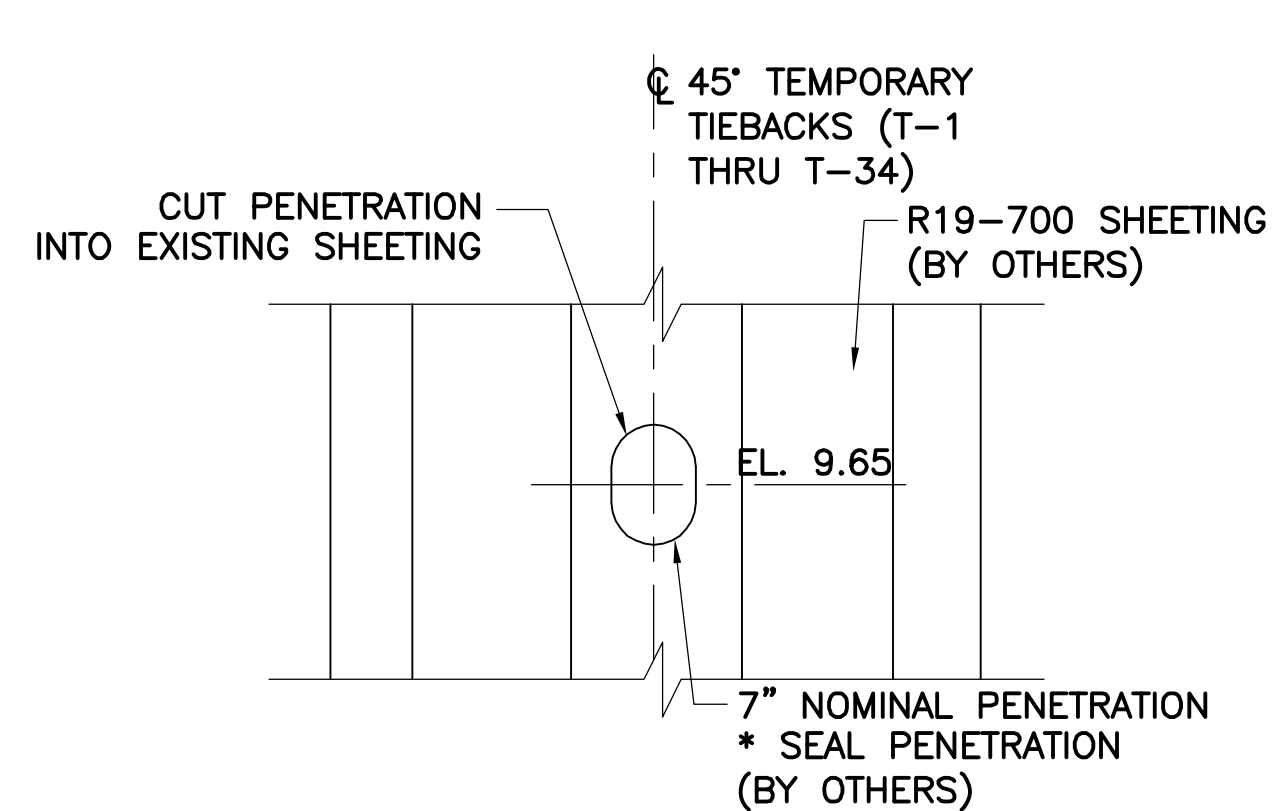
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| DWG. No. | 03 |



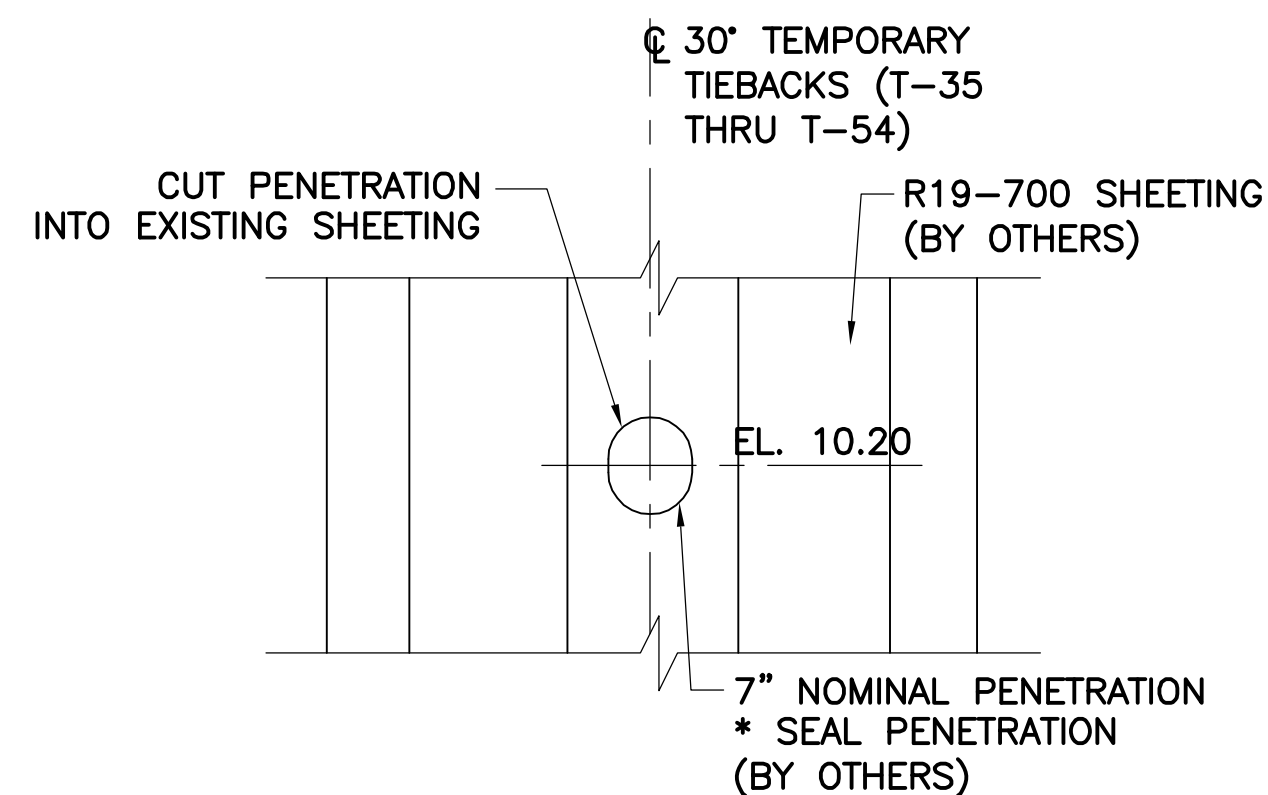
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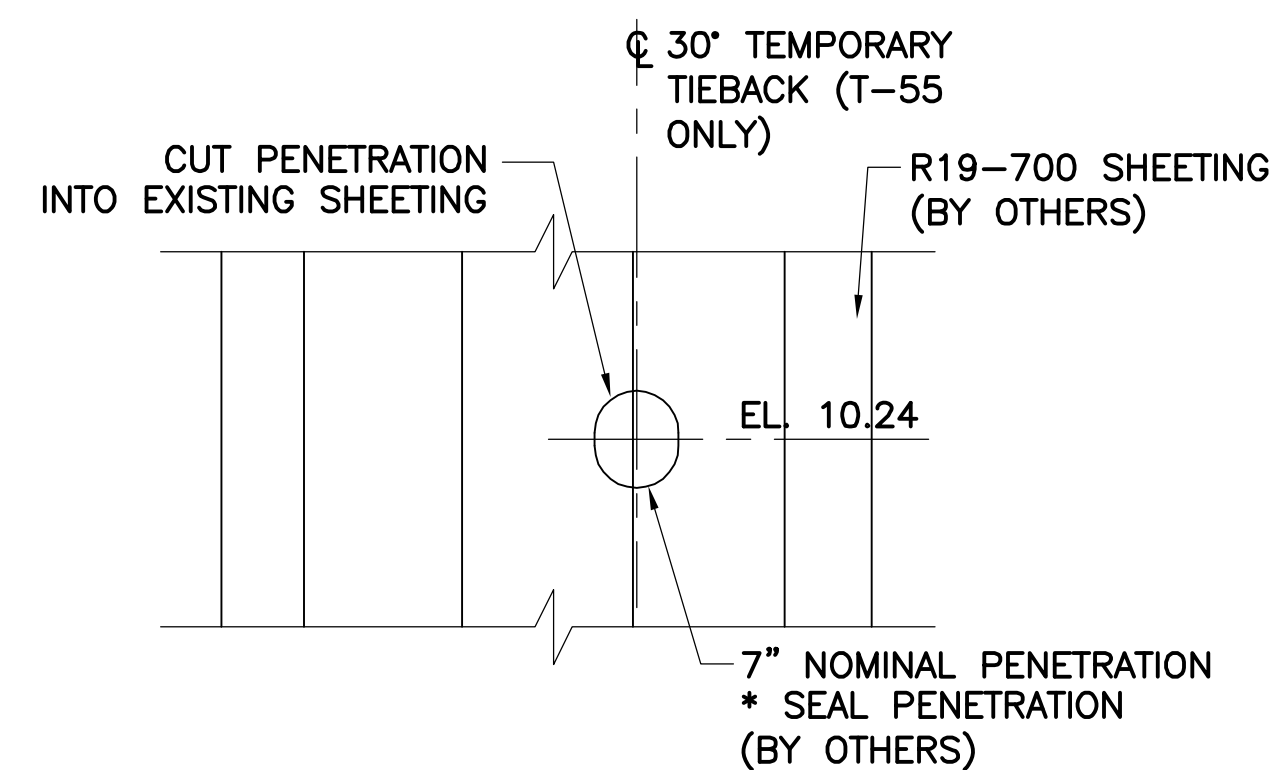
DETAIL FOR TIEBACK #'S T-35 THRU T-54
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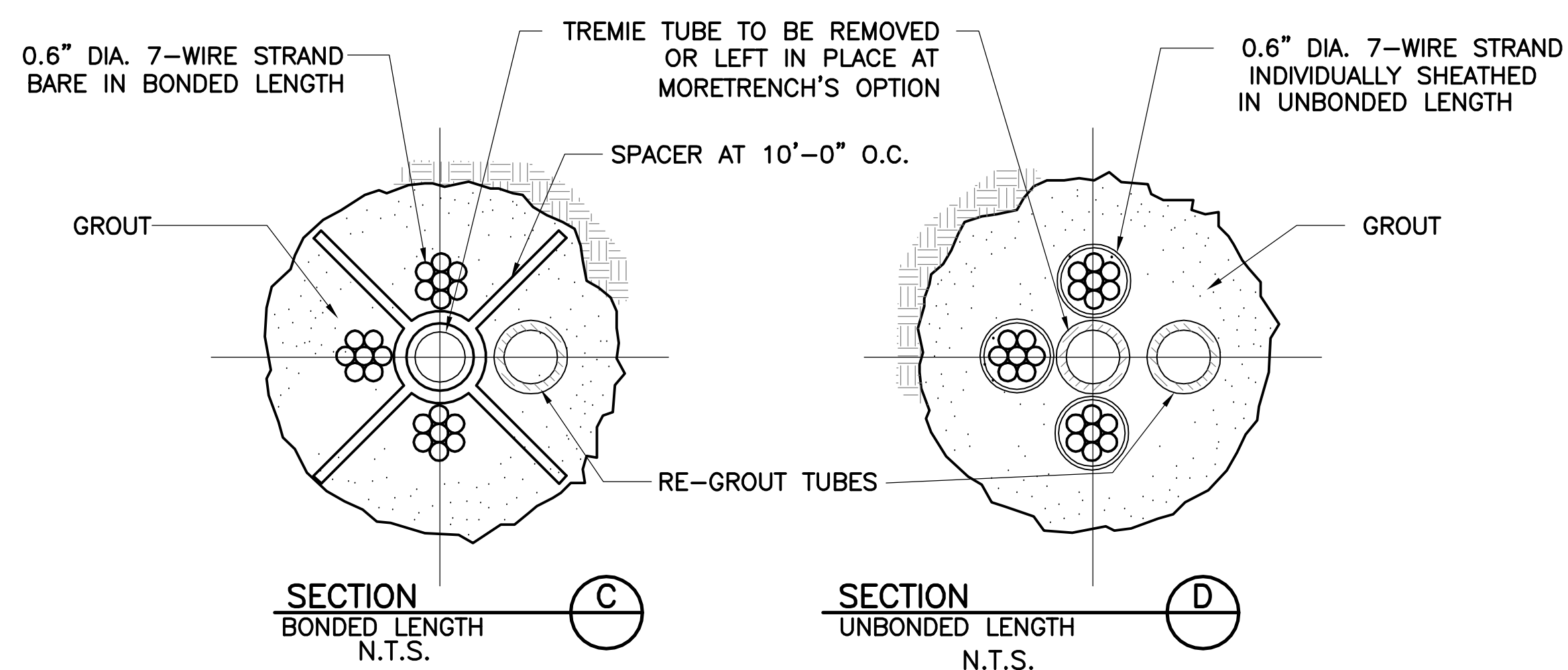
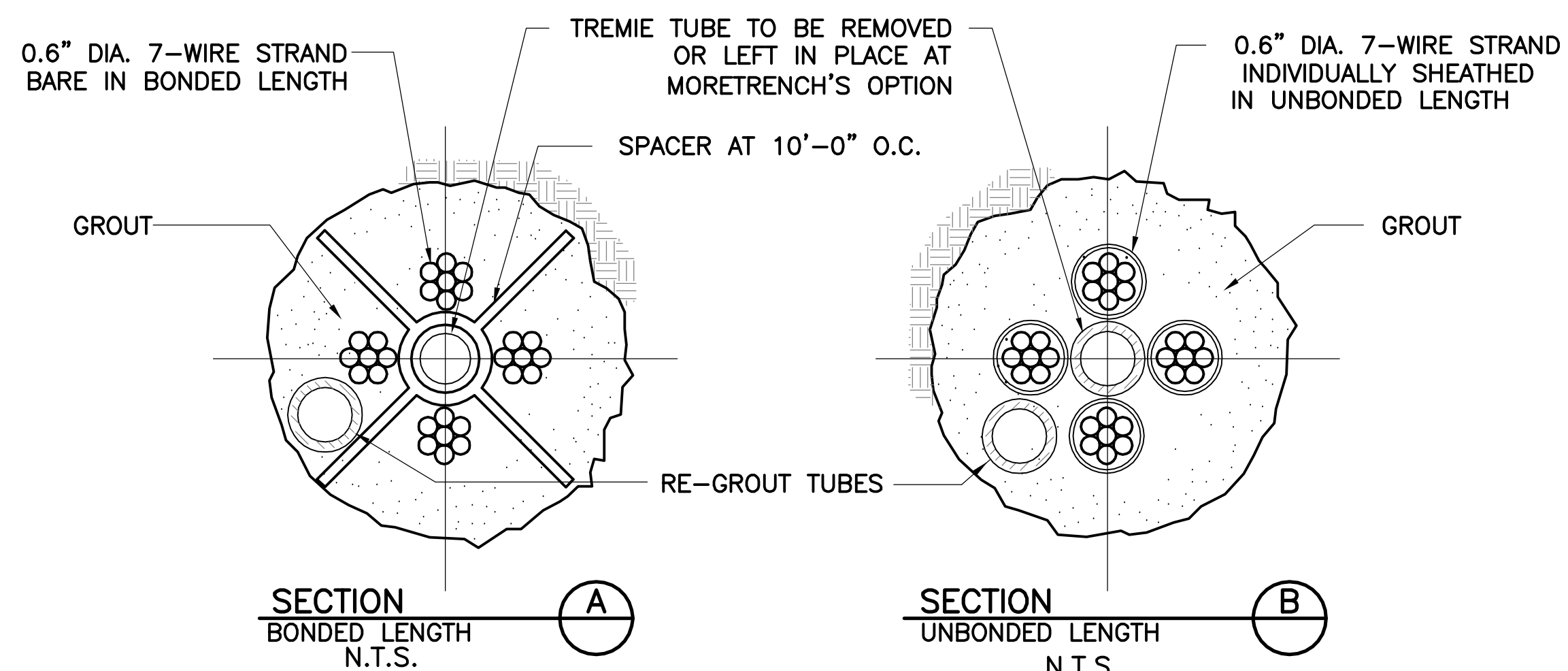
DETAIL OF HOLE PENETRATION FOR 45° TIEBACKS
N.T.S.



DETAIL OF HOLE PENETRATION FOR 30° TIEBACKS
N.T.S.



DETAIL OF HOLE PENETRATION FOR 30° TIEBACK @ T-55 ONLY
N.T.S.



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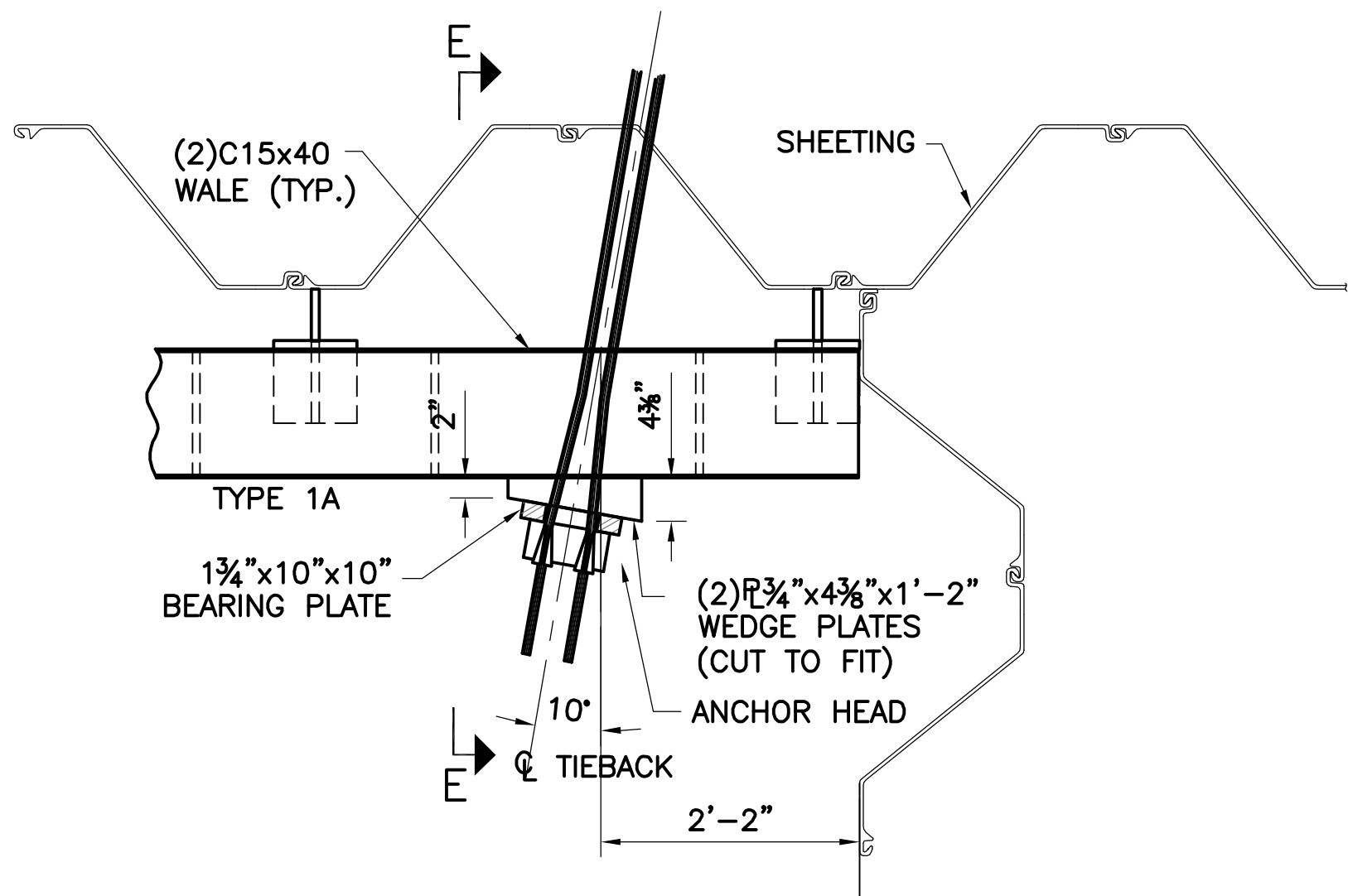
HONEWELL
 NEW JERSEY CITY REDEVELOPMENT
 BUILDING 5 EXCAVATION SUPPORT
 JERSEY CITY, NEW JERSEY
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 TEMPORARY TIEBACKS
 TIEBACK DETAILS

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| APPROVED: TPH |
| SCALE: 1"=50'-0" |
| DATE: SEPT. 14, 1964 |
| JOB NUMBER: 71-100 |

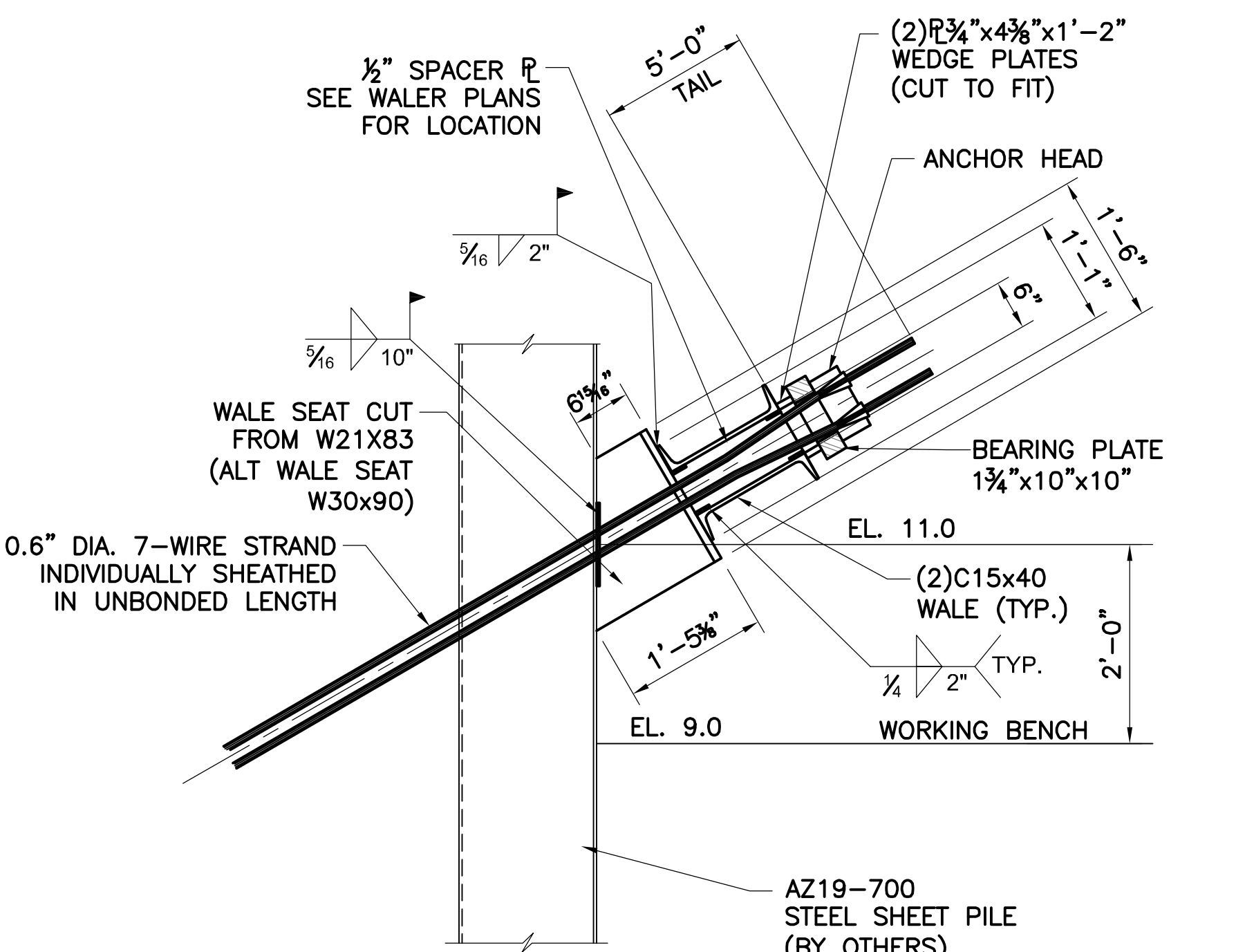
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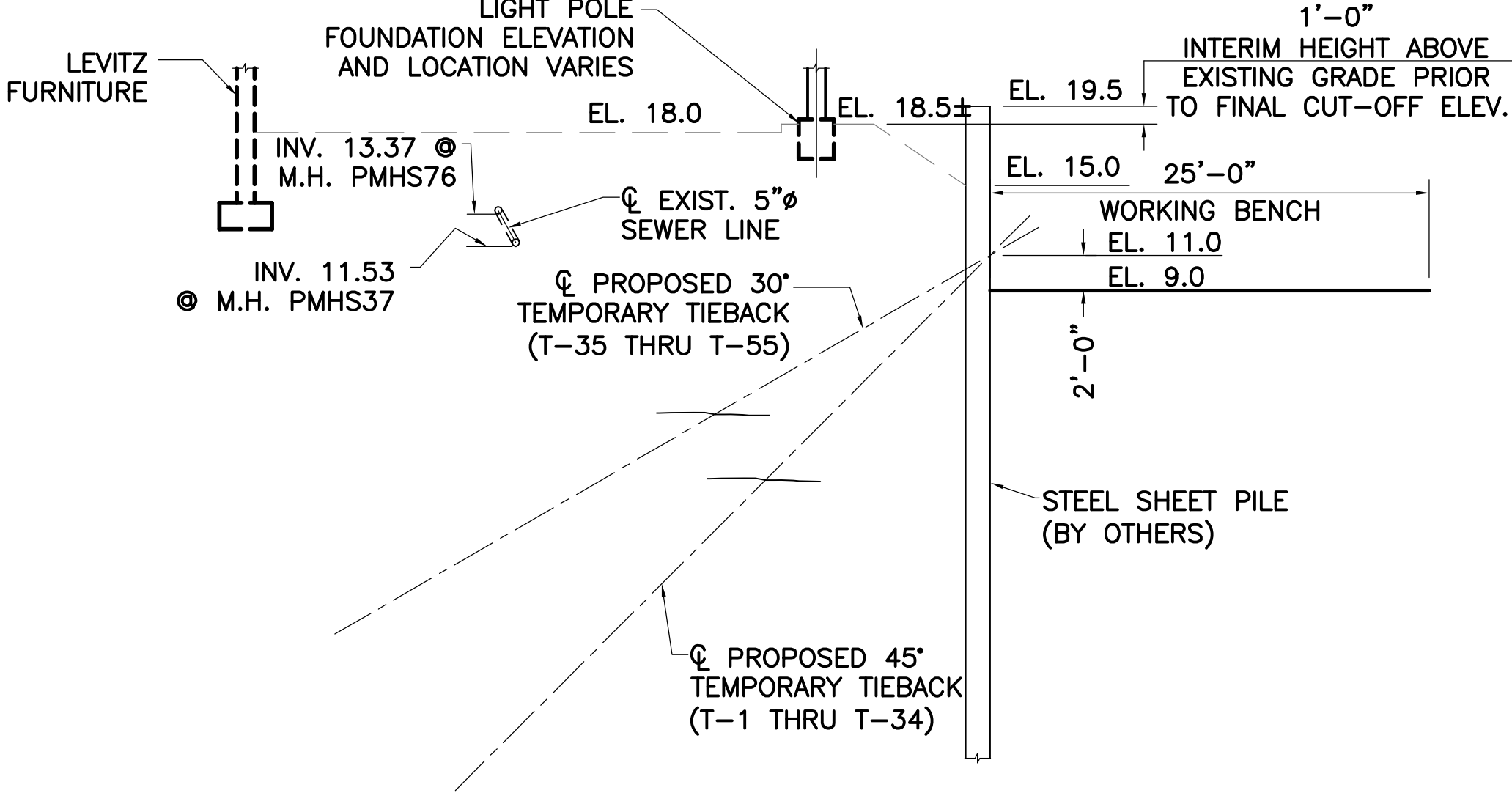
REVISION NO. 
 SHEET NO. **4 OF 6**
 WG. No. **04**



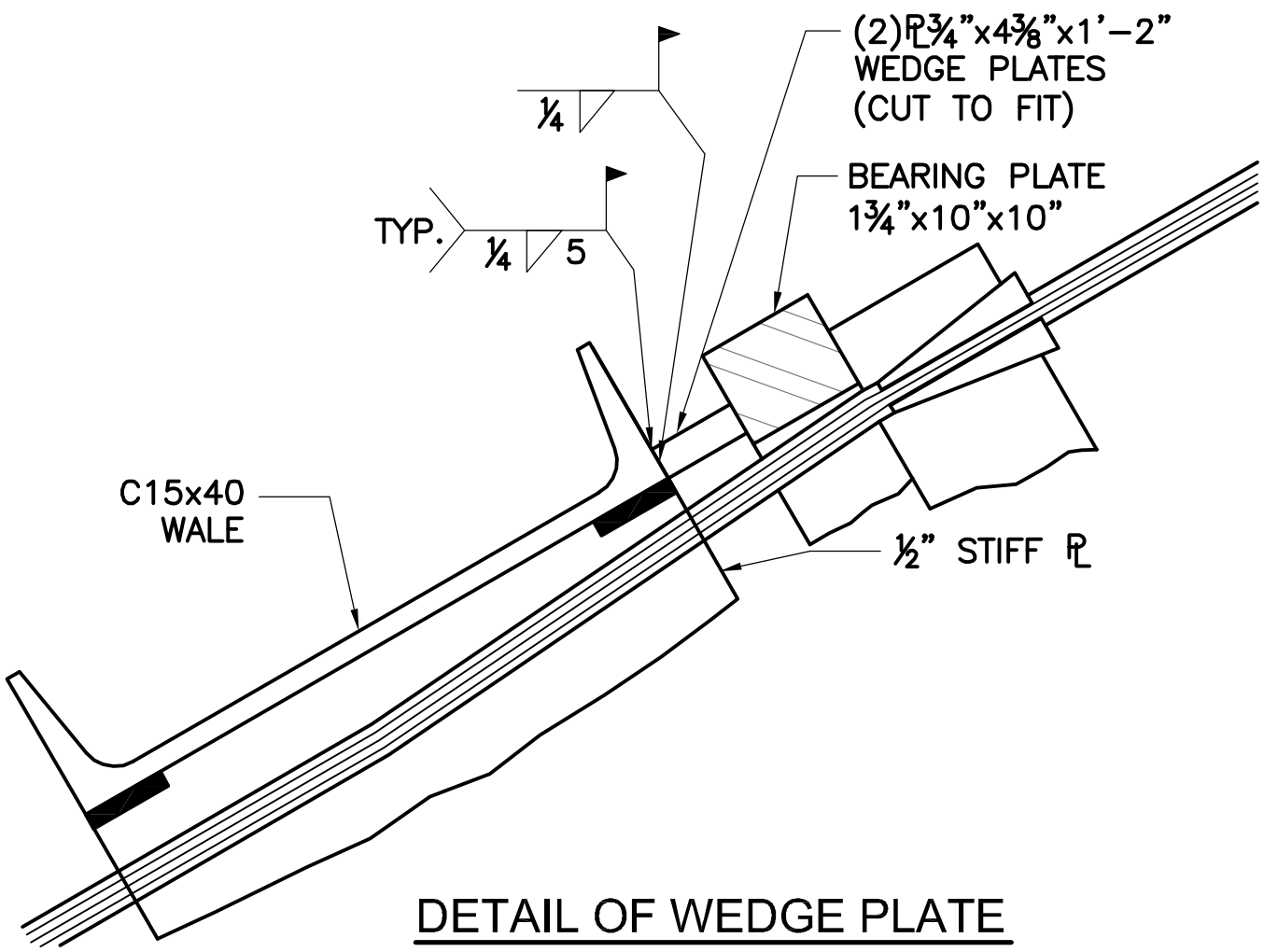
CORNER DETAIL FOR TIEBACK #T-55
N.T.S.



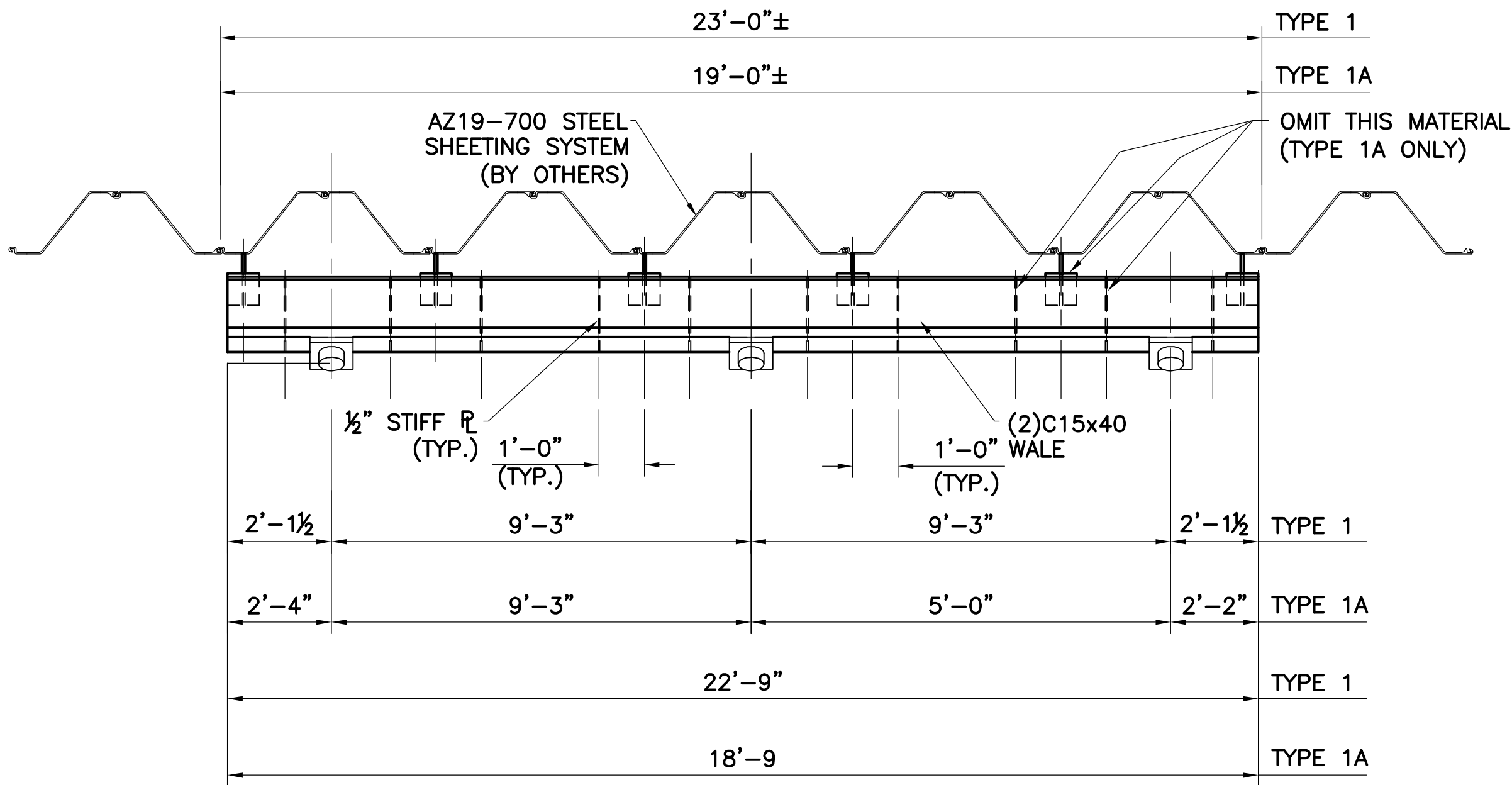
SECTION E-E
DETAIL FOR TIEBACK T-55
N.T.S.



PROFILE OF PROPOSED TIEBACKS, UTILITIES AND EXISTING FOUNDATION
N.T.S.

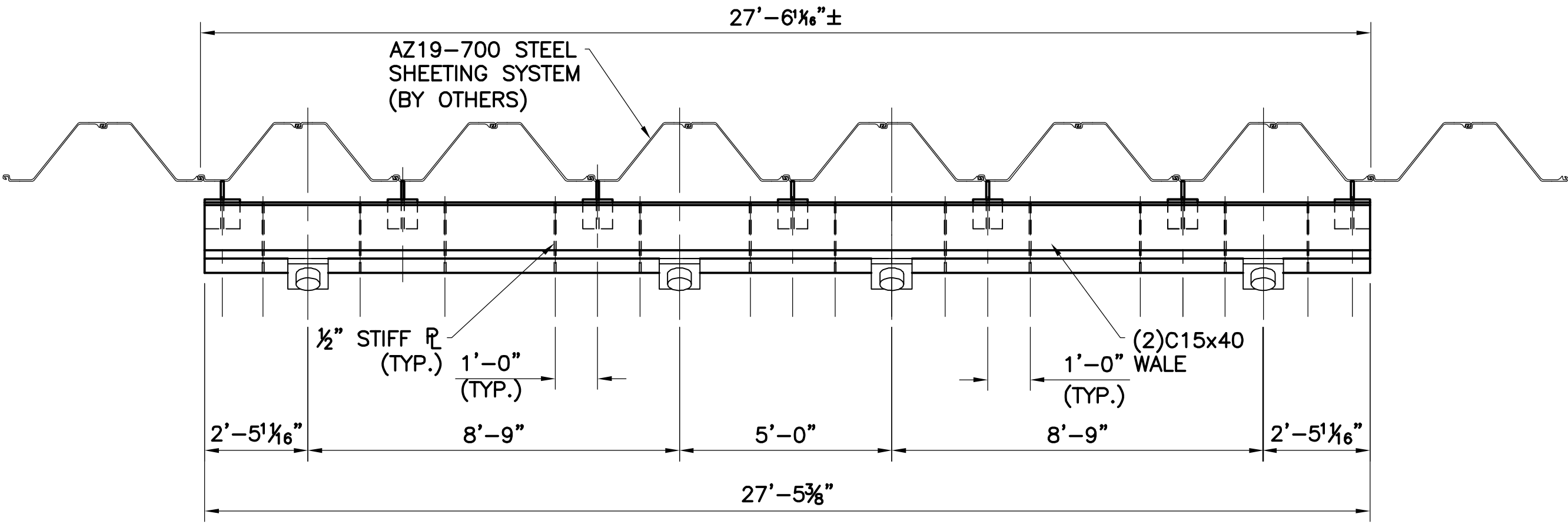


DETAIL OF WEDGE PLATE
CONNECTION TO WALE
N.T.S.



WALER DETAIL TYPE 1 & TYPE 1A
N.T.S.

NOTE:
TYPE 1 = (8) REQ'D
TYPE 1A = (1) REQ'D



WALER DETAIL TYPE 2
N.T.S.

NOTE:
TYPE 2 = (7) REQ'D

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HONEYWELL
NEW JERSEY CITY REDEVELOPMENT
BUILDING 5 EXCAVATION SUPPORT
JERSEY CITY, NEW JERSEY
TEMPORARY TIEBACKS
WALER DETAILS

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| DRAWN BY: SW | APPROVED: TPH | SCALE: 1"=50'-0" | DATE: SEPT. 14, 2010 | JOB NUMBER: 71-BXXX |
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MORETRENCH

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REVISION NO.

5

OF 6

SHEET NO.

5


OF 6

DWG. No.

05

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|--------------|---|
| REVISION NO. |  |
| SHEET NO. | 6 OF 8 |
| DWG. No. | 08 |

LETTER OF TRANSMITTAL

TO: Michael W. Muth
Sevenson Environmental Services, Inc.
500-520 STATE RTE 440
Jersey City, New Jersey 07305
MMuth@sevenson.com
Phone: 716-628-6524

DATE: October 6, 2010
RE: Engineering #3
Reponse To Eng. Comments

Job # 71-84xx
Name: Honeywell SA-5 Project Building 5
Tieback Excavation Support
Jersey City NJ

SENT VIA:

☐ U.S. MAIL ☐ UPS ☐ FEDEX ☐ FAX:
☐ HAND DELIVERED ☒ (Email)

WE ARE SENDING YOU:

☐ Contract ☐ Calculations ☐ Plans ☐ Invoice
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| I | 10/6/2010 | Eng #3 MTA Response to Eng. Comments (5 Sheets) |
| | | |
| | | |
| | | |
| | | |
| | | |

ITEMS FOR TRANSMITTAL, as checked below:

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REMARKS:

CC:

FILE:

SIGNED: _____

Name: Brian Barkauskas

Title: Project Engineer



100 Stickle Avenue
Rockaway, NJ 07866-3146
Tel (973) 627-2100
Fax (973) 586-7265

October 6th, 2010

Sevenson Environmental Services, Inc.
500-520 State Route 440
Jersey City, NJ 07305

Attention: Mr. Michael W. Muth

Re: 71-84XX Honeywell SA-5 Project Building 5
Temporary Tieback Excavation Support
Engineering #3 – Response to Engineer's Comments to Tieback Submittal

Mr. Muth:

Moretrench is in receipt of the Mactec Engineering review comments to our submittal noted above. Please see our responses to their comments as noted below and presented in the order contained within Mactec's response memorandum:

Responses to Comments within Mactec Comment Section:

1. Please refer back to sections 1.6, 1.7, and 1.8 of the original tieback submittal titled "Drilling Method", "Tendon Installation", and "Grouting Procedures", respectively. The drill casing will be installed prior to installation of the strand anchors and grouting. Once the drill depth has been reached, the hole will be flushed clean of any soil cuttings and the inner rods will be removed. The anchor will be installed and the hole will then be tremie grouted. Once rich, undiluted grout is observed exiting the top of the drill hole the tremie tube will be removed from the anchor (or it will be grouted in place) and we will begin removal of the entire string of drill casing. As stated within the submittal, we may elect to globally pressure grout the bond zone prior to extraction of the remaining portions of casing. No casing will be left in the ground after the anchor has been installed and grouted, all of the casing will be removed.
2. The annulus between the borehole and the individual sheathings will be grout filled during the grouting process. The entire hole will be filled with grout.
3. It is our intentions to minimize water usage by utilizing rotary-percussive, top drive duplex drilling methods with internal air flush. Internal air flush means that air will be passed through the center drill string and will return to the surface through the annulus between the inner drill string and outer drill casing (duplex). Please see Attachment A1 (Rotary Percussive Drilling Method Explanation) and Attachment A2 (Rotary Percussive Drill Casing Dimensions) for further information. Based on our experience, we feel that with the dense soils present we will be able to maintain an internal flush as a seal should be created around the drill casing and at the tip of

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the hole to force the air back to the surface. Should issues arise during the drilling with the air, we will switch to water and/or utilize a drilling mud.

All spoils will be ejected at the top of the drill string and discharged on to the ground for collection, containment, and disposal by others than Moretrench. Any additional precautions and containment would be beyond our initial scope of work.

4. As mentioned previously, drilling will be performed by rotary-percussive, top drive duplex drilling methods with internal air flush (Please refer to Attachments A1 and A2). We will start drilling with a 1 or 2 meter length of drill rod and drill casing with a crown bit with carbide inserts (this is called a starter piece) to facilitate installation. Once the starter has been installed, additional lengths (1 or 2 meter) of drill rod (inner) and drill casing (exterior) will be added and drilled into the ground. This process will be repeated until the final drilling depth is reached at which point the hole will be flushed with air until clean and the rods will be removed. Please note that we will be drilling below the GWT so the spoils will contain some water. After the hole is flushed clean we will either install the strand anchor or tremie grout the hole prior to installation of the anchor, at our option. Once the anchor is installed and tremie grouted, we will begin to remove the drill casing in sections, making sure that the hole remains full with grout. Once we extract enough casing so the bond length is clear of drill casing, we may elect to globally (inject grout under pressure from the top of the drill hole through the drill casing) pressure grout the bond length to a maximum anticipated pressure of 50 psi. We will then continue to remove all remaining drill casing, maintaining a full column of grout. The hole may be "topped off" at this point with grout if needed.

As stated in #3 above, we believe any additional containment measures other than direct discharge of spoils onto the ground at the top of the hole to be beyond our scope of work.

Responses to Comments on Shop Drawings:

5. Shop Drawing Sheet 4 of 6 – Comment on Tieback Details: We will revise the details for tiebacks 1-34 and 35-54 as noted to reflect correct changes.
6. Shop Drawing Sheet 4 of 6 – Comment on Steel Sheet Pile Designation: We will revise the details of the hole penetrations to reflect the correct sheet pile designation of AZ-19-700.
7. Shop Drawing Sheet 4 of 6 – Comment on Seal Penetration: Initial penetration (cutting of hole) is to be performed by Moretrench. The "by others" comment on the initial shop drawings relates to sealing of the penetration if required. As stated we believe leakage to not be an issue because the penetration will be above the water table and therefore sealing not required. Sealing of the elliptical hole is outside of our scope of work.
8. Shop Drawing Sheet 4 of 6 – Comment on Coordination Comment: We will coordinate the hole penetrations with Severson and Mactec Engineer as stated in engineer's review comments and as necessary for tieback installation.

9. Shop Drawing Sheet 6 of 6 – Comment on General Note A.3: It was our understanding that Level D PPE was all that was required. We request confirmation from Severson on this issue.
10. Shop Drawing Sheet 6 of 6 – Comment on Installation Note B.2: We will coordinate with Severson as requested in comment.
11. Shop Drawing Sheet 6 of 6 – Comment on Installation Note B.3: Please refer to response #3 and #4 above.
12. Shop Drawing Sheet 6 of 6 – Comment on Performance Testing Note 1: No response required.
13. Shop Drawing Sheet 6 of 6 – Comment on Performance Testing Note 2: No response required.
14. Shop Drawing Sheet 6 of 6 – Comment on Anchor Design: We have reviewed our design calculations and believe that based on our previous experience utilizing an allowable bond stress of 22 psi is achievable within the current bonding soils. Any deficiencies will be corrected by re-grouting as required.

We feel that these responses should clarify any questions or concerns presented by the owner's engineer. However, clarification is still to be provided to Moretrench by Severson on item #9 (PPE Requirements). Should you have any questions, please do not hesitate to contact me directly. Thank you very much.

Very truly yours,



Brian D. Barkauskas
Project Engineer
Moretrench American Corporation

Attachments:

- A1 - Rotary Percussive Drilling Method Explanation
- A2 - Rotary Percussive Drill Casing Dimensions

2.2.2 Rotary Percussive

The drill bit (carbide insert, cross or button) is both percussed and rotated. In general the percussive energy determines the penetration rate. With a top hammer, the drill rods are rotated and percussed by the drill head on the rig. With a direct circulation down-the-hole hammer, the (larger diameter) drill rods are only rotated by the drill head, and compressed air fed down the rods activates the percussive hammer mounted directly above the drill bit. Top hammer drilling is performed at rotation speeds of approximately 80 to 160 rpm to provide hole diameters seldom above 102 mm. Hole depth is limited to approximately 60 m by power availability, and by hole deviation concerns. Due to the path by which the energy is transferred to the bit (i.e., via successive rod couplings), penetration rate decreases with depth. Down-the-hole drilling is performed at approximately 10 to 60 rpm in hole diameters above 90 mm to depths of over 100 m. Since the percussive effect is applied immediately above the bit, regardless of depth of hole, penetration rate is constant with depth, other factors being equal.

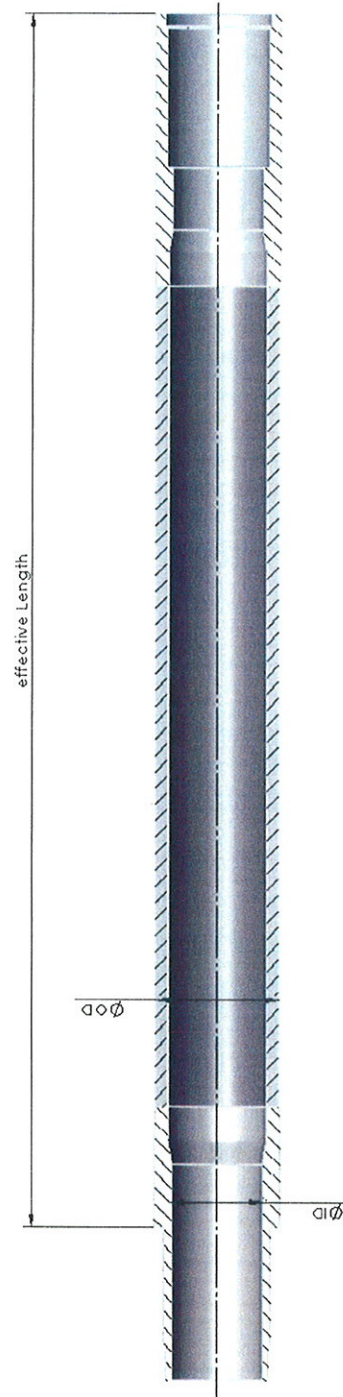
Advantages of percussion drilled grout holes include:

- higher (by a factor of 5 or more – Deere, 1982) and consistent penetration rates than rotary methods (10 to 20 m/hour according to Kutzner (1996));
- relatively small, light, and mobile drill rigs can be used;
- low drilling costs;
- down the hole drilling provides the potential for minimal hole deviation with production rates of 5 to 15 m/hour (Kutzner, 1996).

Rotary-Percussive Casings – Standard dimensions

| <u>OD</u> | | <u>ID</u> | <u>Thread</u> |
|-----------|---|-----------|-------------------------------|
| 76.1 mm | X | 50 mm | 1start cylindrical or conical |
| 88.9 mm | X | 64 mm | 1start cylindrical or conical |
| 101.6 mm | X | 75 mm | 3start cylindrical or conical |
| 114.3 mm | X | 88 mm | 3start cylindrical or conical |
| 133 mm | X | 108 mm | 3start cylindrical or conical |
| 152.4 mm | X | 128 mm | 3start cylindrical or conical |
| 177.8 mm | X | 148 mm | 3start cylindrical or conical |

- ID dimensions are smallest in casing
- For casing/nipple smallest ID is in the nipple
- For friction-welded casing smallest ID is in the male and female thread



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January 2008

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MORETRENCH

100 Stickle Avenue, Rockaway, NJ 07866-3146
Tel: 973-627-2100 ext. 304 | Fax: 973-586-7265

LETTER OF TRANSMITTAL

TO: Michael W. Muth
Sevenson Environmental Services, Inc.
500-520 STATE RTE 440
Jersey City, New Jersey 07305
MMuth@sevenson.com
Phone: 716-628-6524

DATE: January 6, 2011
RE: QA/QC #4
Anchor Test Sheets

Job # 71-8492
Name: Honeywell SA-5 Project Building 5
Tieback Excavation Support
Jersey City NJ

SENT VIA:

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| 1 | 1/6/2011 | QA/QC #4 - Anchor Proof & Performance Test Sheets (55 pp.) |
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REMARKS:

CC:

FILE:

SIGNED: _____

Name: Brian Barkauskas

Title: Project Engineer

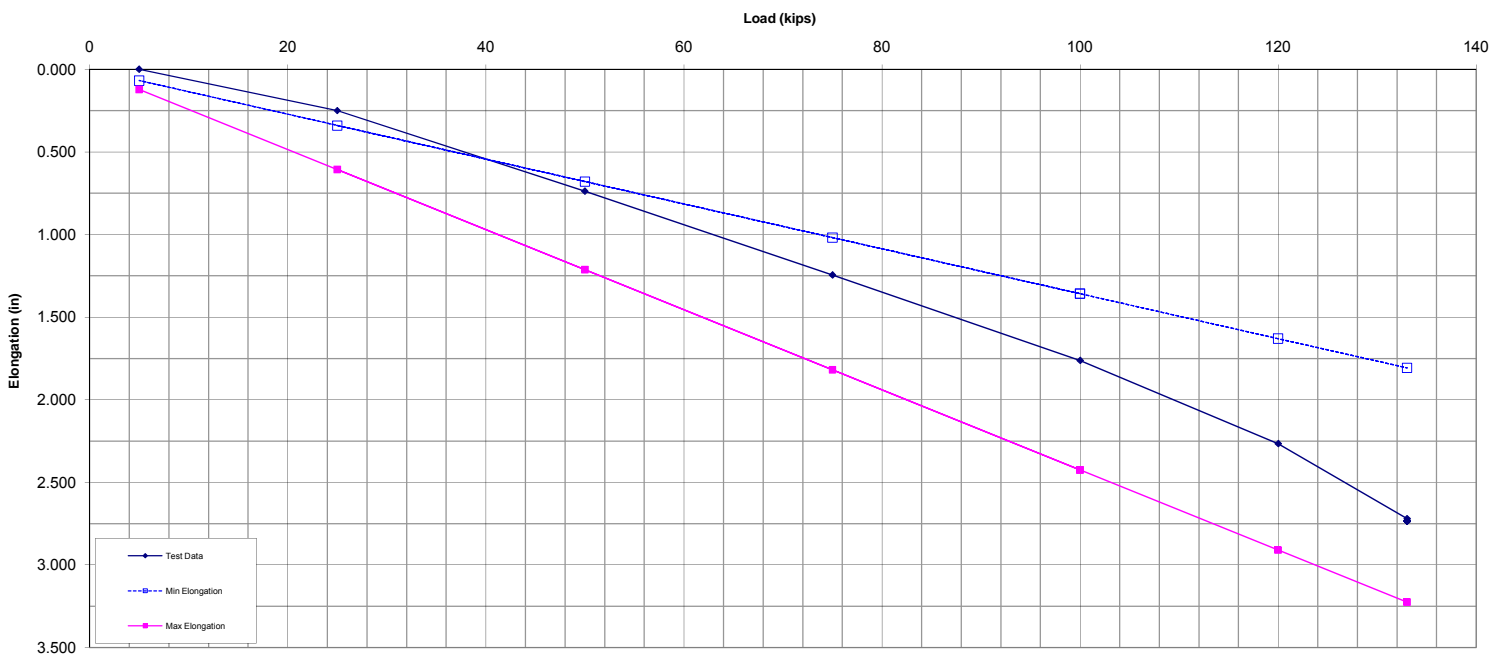
ANCHOR PROOF TEST FIELD DATA

Moretrench
100 Stickle Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor No: **TB-1** DTL (kips): **100**

| | | | | | | | | | | | | |
|---------------------|--------------------------|--------------------------|------------|--------------------------------------|-----------------------------------|--------------------------------|---------------------------|---------------------|--------------------------------------|-----|-----------------------------|---------|
| Job No: 71-8492 | | Date Installed: 11/16/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 12/6/10 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: #N/A | #N/A |
| Time of Reading | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | |
| | AL (5%) | 5.0 | | 275 | N/A | N/A | | 0.000 | Strand 3 | Str | Area: 0.65 | SQ. IN. |
| | 25% | 25.0 | | 925 | N/A | N/A | | 0.250 | Installation Angle 45 Degrees | | | |
| | 50% | 50.0 | | 1750 | N/A | N/A | | 0.738 | Bond Length 25 FT. | | | |
| | 75% | 75.0 | | 2575 | N/A | N/A | | 1.245 | Unbonded Length 20 FT. | | | |
| | 100% | 100.0 | | 3400 | N/A | N/A | | 1.762 | Jacking Length 5 FT. | | | |
| | 120% | 120.0 | | 4075 | N/A | N/A | | 2.266 | Max Jacking Load 141.0 kips | | | |
| | 133% | 133.0 | 0 min | 4500 | N/A | N/A | | 2.720 | Test load 133.0 kips | | | |
| | 133% | 133.0 | 1 min | 4500 | N/A | N/A | | 2.734 | 80% Jack Selected 120.0 tons | | | |
| | 133% | 133.0 | 2 min | 4500 | N/A | N/A | | 2.734 | Test Load 133% 66.5 tons | | | |
| | 133% | 133.0 | 3 min | 4500 | N/A | N/A | | 2.734 | CREEP TEST RESULTS: | | | |
| | 133% | 133.0 | 4 min | 4500 | N/A | N/A | | 2.734 | Notes: Re-Grout #1 11/24/2010 6 bags | | | |
| | 133% | 133.0 | 5 min | 4500 | N/A | N/A | | 2.734 | Re-Grout #2 11/29/2010 8 Bags | | | |
| | 133% | 133.0 | 6 min | 4500 | N/A | N/A | | 2.734 | | | | |
| | 133% | 133.0 | 10 min | 4500 | N/A | N/A | | 2.735 | Creep 1 -10 min.(≤0.04"): | | 0.001 | |
| | 133% | 133.0 | 15 min | 4500 | N/A | N/A | | | | | | |
| | 133% | 133.0 | 20 min | 4500 | N/A | N/A | | | | | | |
| | 133% | 133.0 | 25 min | 4500 | N/A | N/A | | | | | | |
| | 133% | 133.0 | 30 min | 4500 | N/A | N/A | | | | | | |
| | 133% | 133.0 | 40 min | 4500 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | |
| | 133% | 133.0 | 45 min | 4500 | N/A | N/A | | | | | | |
| | 133% | 133.0 | 50 min | 4500 | N/A | N/A | | | PTI Elongation Limits: | | | |
| | 133% | 133.0 | 60 min | 4500 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.806 | IN. |
| | AL (5%) | 5.0 | | 275 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.226 | IN. |
| | Lock Off (100%) | 100.0 | | 3400 | N/A | N/A | | | | | | |

ANCHOR PROOF TEST FIELD DATA

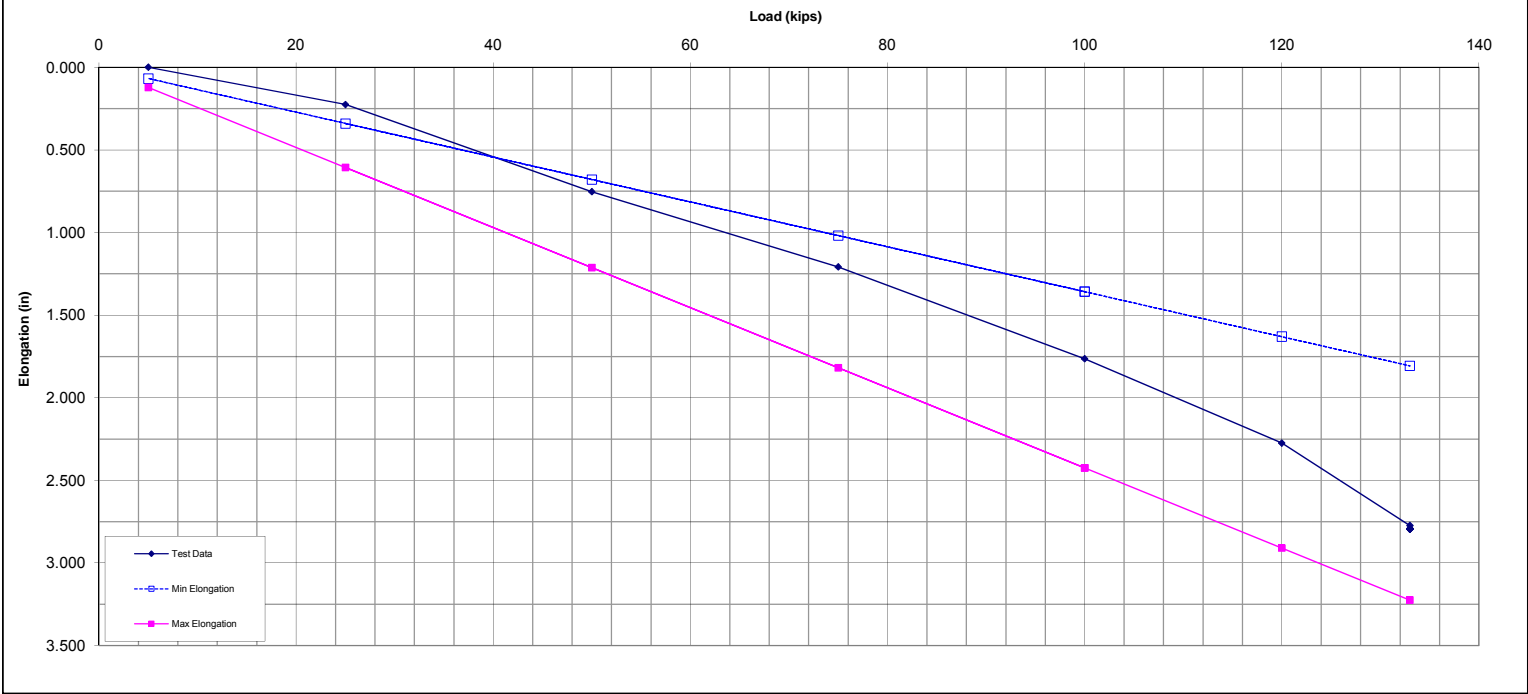


ANCHOR PROOF TEST FIELD DATA

Anchor No: TB-2 DTL (kips): 100

| | | | | | | | | | | | |
|-----------------|--------------------------|------------------|------------|--------------------------------------|-----------------------------------|--------------------------------|---------------------------|---------------------|--------------------------------------|-------------------|------------------------|
| Job No: | 71-8492 | Date Installed: | 11/17/10 | Primary Gauge No: | 3233PG | Slope (kips/psi) | 33.0357 | Intercept (psi) | 89.29 | Calibration Date: | 6/14/2010 |
| Job Name: | Honeywell | Date Tested: | 12/6/10 | Secondary Gauge No: | N/A | Slope (kips/psi) | N/A | Intercept (psi) | N/A | | |
| Tested by: | J. Kuza | MTA Jack No. | 3233 | Load Cell SN: | N/A | Slope (kips/digit) | #N/A | Intercept (digits) | #N/A | Calibration Date: | #N/A |
| Time of Reading | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | |
| | AL (5%) | 5.0 | | 275 | N/A | N/A | | 0.000 | Strand | 3 | Str Area: 0.65 SQ. IN. |
| | 25% | 25.0 | | 925 | N/A | N/A | | 0.225 | Installation Angle 45 Degrees | | |
| | 50% | 50.0 | | 1750 | N/A | N/A | | 0.753 | Bond Length 25 FT. | | |
| | 75% | 75.0 | | 2575 | N/A | N/A | | 1.209 | Unbonded Length 20 FT. | | |
| | 100% | 100.0 | | 3400 | N/A | N/A | | 1.765 | Jacking Length 5 FT. | | |
| | 120% | 120.0 | | 4075 | N/A | N/A | | 2.275 | Max Jacking Load 141.0 kips | | |
| | 133% | 133.0 | 0 min | 4500 | N/A | N/A | | 2.774 | Test load 133.0 kips | | |
| | 133% | 133.0 | 1 min | 4500 | N/A | N/A | | 2.794 | 80% Jack Selected 120.0 tons | | |
| | 133% | 133.0 | 2 min | 4500 | N/A | N/A | | 2.794 | Test Load 133% 66.5 tons | | |
| | 133% | 133.0 | 3 min | 4500 | N/A | N/A | | 2.794 | CREEP TEST RESULTS: | | |
| | 133% | 133.0 | 4 min | 4500 | N/A | N/A | | 2.794 | Notes: Re-Grout #1 11/24/2010 2 Bags | | |
| | 133% | 133.0 | 5 min | 4500 | N/A | N/A | | 2.795 | Re-Grout #2 11/29/2010 8 Bags | | |
| | 133% | 133.0 | 6 min | 4500 | N/A | N/A | | 2.796 | | | |
| | 133% | 133.0 | 10 min | 4500 | N/A | N/A | | 2.796 | Creep 1 -10 min.(≤0.04"): 0.002 | | |
| | 133% | 133.0 | 15 min | 4500 | N/A | N/A | | | | | |
| | 133% | 133.0 | 20 min | 4500 | N/A | N/A | | | | | |
| | 133% | 133.0 | 25 min | 4500 | N/A | N/A | | | | | |
| | 133% | 133.0 | 30 min | 4500 | N/A | N/A | | | | | |
| | 133% | 133.0 | 40 min | 4500 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | |
| | 133% | 133.0 | 45 min | 4500 | N/A | N/A | | | | | |
| | 133% | 133.0 | 50 min | 4500 | N/A | N/A | | | PTI Elongation Limits: | | |
| | 133% | 133.0 | 60 min | 4500 | N/A | N/A | | | Minimum Elongation (@TL) = 1.806 IN. | | |
| | AL (5%) | 5.0 | | 275 | N/A | N/A | | | Maximum Elongation (@TL) = 3.226 IN. | | |
| | Lock Off (100%) | 100.0 | | 3400 | N/A | N/A | | | | | |

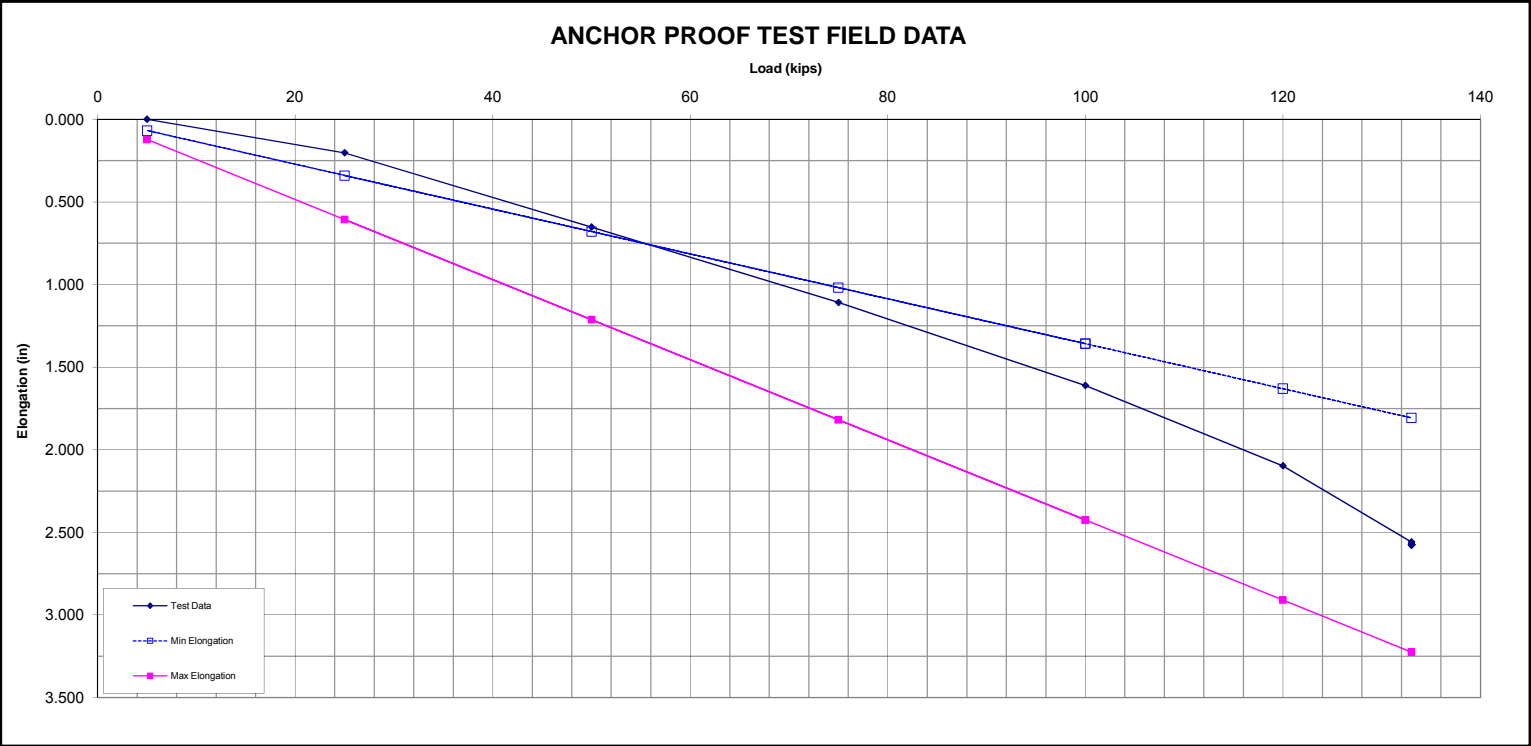
ANCHOR PROOF TEST FIELD DATA



ANCHOR PROOF TEST FIELD DATA

Anchor No: TB-3 DTL (kips): 100

| | | | | | | | | | | | | | |
|---------------------|-----------------------------|--------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|--------------------------------------|-----|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 11/18/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 11/29/10 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 5.0 | | 275 | N/A | N/A | | 0.000 | Strand 3 | Str | Area: | 0.65 | SQ. IN. |
| | 25% | 25.0 | | 925 | N/A | N/A | | 0.202 | Installation Angle 45 Degrees | | | | |
| | 50% | 50.0 | | 1750 | N/A | N/A | | 0.652 | Bond Length 25 FT. | | | | |
| | 75% | 75.0 | | 2575 | N/A | N/A | | 1.108 | Unbonded Length 20 FT. | | | | |
| | 100% | 100.0 | | 3400 | N/A | N/A | | 1.611 | Jacking Length 5 FT. | | | | |
| | 120% | 120.0 | | 4075 | N/A | N/A | | 2.097 | Max Jacking Load 141.0 kips | | | | |
| | 133% | 133.0 | 0 min | 4500 | N/A | N/A | | 2.558 | Test load 133.0 kips | | | | |
| | 133% | 133.0 | 1 min | 4500 | N/A | N/A | | 2.574 | 80% Jack Selected 120.0 tons | | | | |
| | 133% | 133.0 | 2 min | 4500 | N/A | N/A | | 2.574 | Test Load 133% 66.5 tons | | | | |
| | 133% | 133.0 | 3 min | 4500 | N/A | N/A | | 2.574 | CREEP TEST RESULTS: | | | | |
| | 133% | 133.0 | 4 min | 4500 | N/A | N/A | | 2.574 | Notes: | | | | |
| | 133% | 133.0 | 5 min | 4500 | N/A | N/A | | 2.574 | | | | | |
| | 133% | 133.0 | 6 min | 4500 | N/A | N/A | | 2.574 | | | | | |
| | 133% | 133.0 | 10 min | 4500 | N/A | N/A | | 2.578 | Creep 1 -10 min.(≤0.04"): | | 0.004 | | |
| | 133% | 133.0 | 15 min | 4500 | N/A | N/A | | | | | | | |
| | 133% | 133.0 | 20 min | 4500 | N/A | N/A | | | | | | | |
| | 133% | 133.0 | 25 min | 4500 | N/A | N/A | | | | | | | |
| | 133% | 133.0 | 30 min | 4500 | N/A | N/A | | | | | | | |
| | 133% | 133.0 | 40 min | 4500 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 133.0 | 45 min | 4500 | N/A | N/A | | | | | | | |
| | 133% | 133.0 | 50 min | 4500 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 133.0 | 60 min | 4500 | N/A | N/A | | | Minimum Elongation (@TL) = 1.806 IN. | | | | |
| | AL (5%) | 5.0 | | 275 | N/A | N/A | | | Maximum Elongation (@TL) = 3.226 IN. | | | | |
| | Lock Off (100%) | 100.0 | | 3400 | N/A | N/A | | | | | | | |

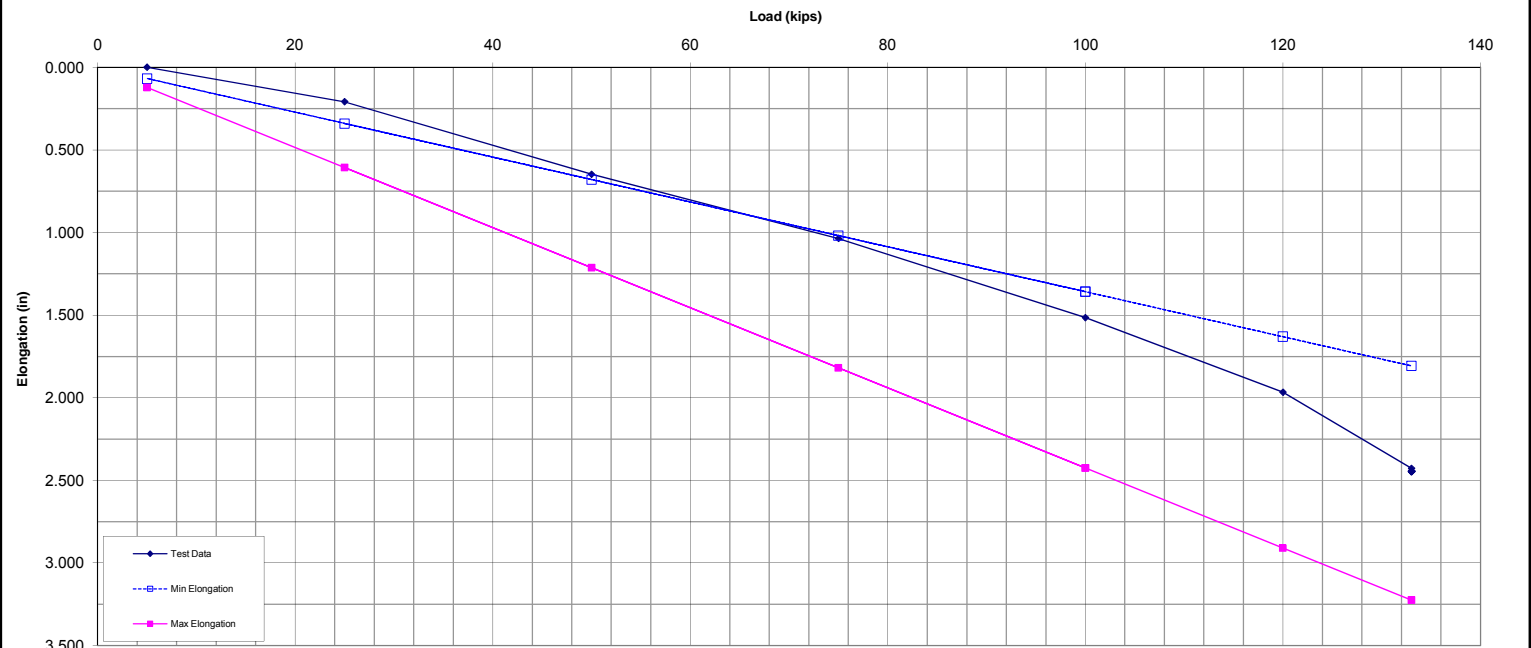


ANCHOR PROOF TEST FIELD DATA

Anchor No: TB-4 DTL (kips): 100

| | | | | | | | | | | | |
|-----------------|--------------------------|------------------|------------|--------------------------------------|-----------------------------------|--------------------------------|---------------------------|---------------------|------------------------------------|-------------------|------------------------|
| Job No: | 71-8492 | Date Installed: | 11/19/10 | Primary Gauge No: | 3233PG | Slope (kips/psi) | 33.0357 | Intercept (psi) | 89.29 | Calibration Date: | 6/14/2010 |
| Job Name: | Honeywell | Date Tested: | 11/29/10 | Secondary Gauge No: | N/A | Slope (kips/psi) | N/A | Intercept (psi) | N/A | | |
| Tested by: | J. Kuza | MTA Jack No. | 3233 | Load Cell SN: | N/A | Slope (kips/digit) | #N/A | Intercept (digits) | #N/A | Calibration Date: | #N/A |
| Time of Reading | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | |
| | AL (5%) | 5.0 | | 275 | N/A | N/A | | 0.000 | Strand | 3 | Str Area: 0.65 SQ. IN. |
| | 25% | 25.0 | | 925 | N/A | N/A | | 0.208 | Installation Angle | 45 | Degrees |
| | 50% | 50.0 | | 1750 | N/A | N/A | | 0.647 | Bond Length | 25 | FT. |
| | 75% | 75.0 | | 2575 | N/A | N/A | | 1.036 | Unbonded Length | 20 | FT. |
| | 100% | 100.0 | | 3400 | N/A | N/A | | 1.515 | Jacking Length | 5 | FT. |
| | 120% | 120.0 | | 4075 | N/A | N/A | | 1.966 | Max Jacking Load | 141.0 kips | |
| | 133% | 133.0 | 0 min | 4500 | N/A | N/A | | 2.427 | Test load | 133.0 kips | |
| | 133% | 133.0 | 1 min | 4500 | N/A | N/A | | 2.445 | 80% Jack Selected | 120.0 tons | |
| | 133% | 133.0 | 2 min | 4500 | N/A | N/A | | 2.445 | Test Load 133% | 66.5 tons | |
| | 133% | 133.0 | 3 min | 4500 | N/A | N/A | | 2.445 | CREEP TEST RESULTS: | | |
| | 133% | 133.0 | 4 min | 4500 | N/A | N/A | | 2.445 | Notes: | Re-Grout #1 | 11/24/2010 4 Bags |
| | 133% | 133.0 | 5 min | 4500 | N/A | N/A | | 2.445 | | | |
| | 133% | 133.0 | 6 min | 4500 | N/A | N/A | | 2.445 | | | |
| | 133% | 133.0 | 10 min | 4500 | N/A | N/A | | 2.448 | Creep 1 -10 min.(≤0.04"): | 0.003 | |
| | 133% | 133.0 | 15 min | 4500 | N/A | N/A | | | | | |
| | 133% | 133.0 | 20 min | 4500 | N/A | N/A | | | | | |
| | 133% | 133.0 | 25 min | 4500 | N/A | N/A | | | | | |
| | 133% | 133.0 | 30 min | 4500 | N/A | N/A | | | | | |
| | 133% | 133.0 | 40 min | 4500 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | |
| | 133% | 133.0 | 45 min | 4500 | N/A | N/A | | | | | |
| | 133% | 133.0 | 50 min | 4500 | N/A | N/A | | | PTI Elongation Limits: | | |
| | 133% | 133.0 | 60 min | 4500 | N/A | N/A | | | Minimum Elongation (@TL) = | 1.806 | IN. |
| | AL (5%) | 5.0 | | 275 | N/A | N/A | | | Maximum Elongation (@TL) = | 3.226 | IN. |
| | Lock Off (100%) | 100.0 | | 3400 | N/A | N/A | | | | | |

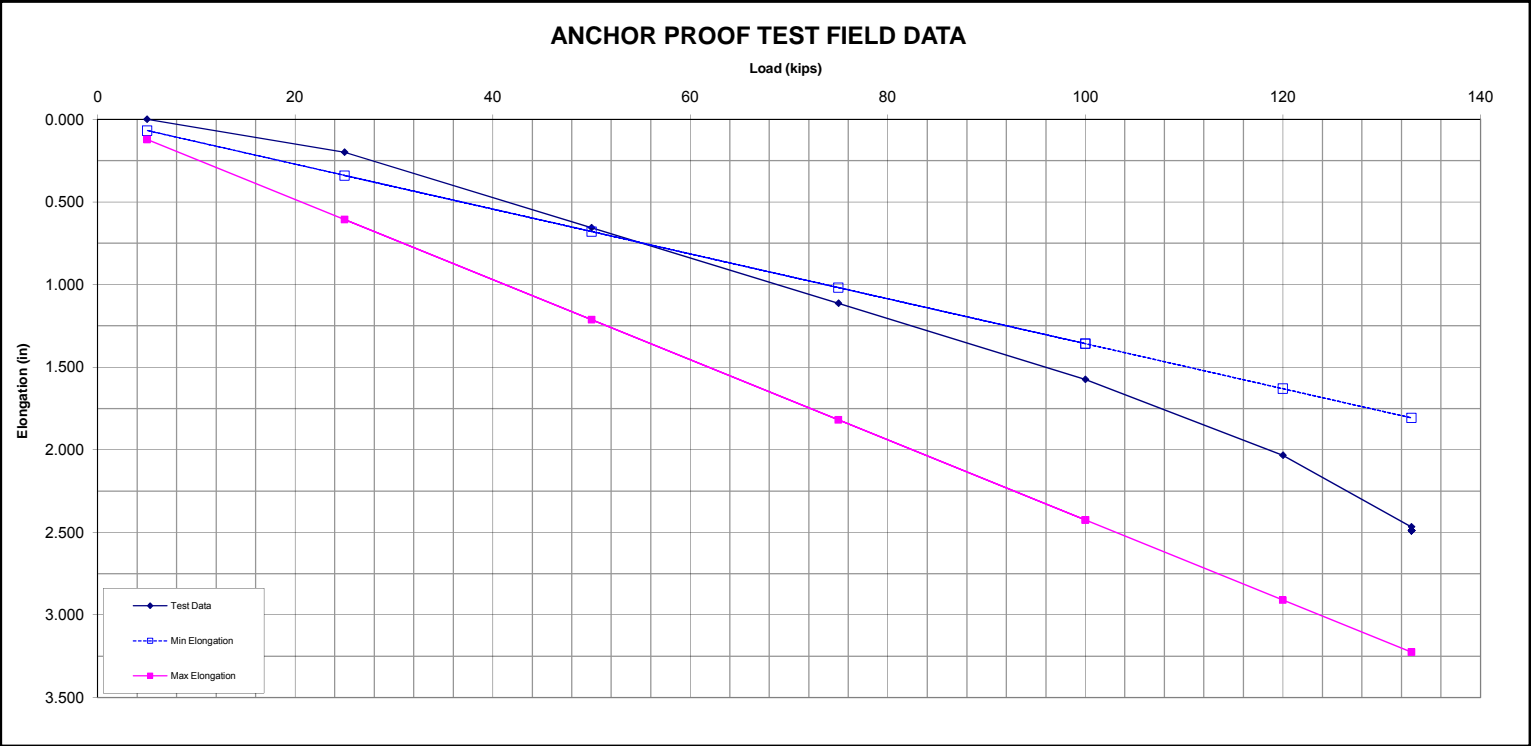
ANCHOR PROOF TEST FIELD DATA



ANCHOR PROOF TEST FIELD DATA

Anchor No: TB-5 DTL (kips): 100

| | | | | | | | | | | | |
|-----------------|--------------------------|------------------|------------|--------------------------------------|-----------------------------------|--------------------------------|---------------------------|---------------------|------------------------------------|-------------------|------------------------|
| Job No: | 71-8492 | Date Installed: | 11/19/10 | Primary Gauge No: | 3233PG | Slope (kips/psi) | 33.0357 | Intercept (psi) | 89.29 | Calibration Date: | 6/14/2010 |
| Job Name: | Honeywell | Date Tested: | 11/29/10 | Secondary Gauge No: | N/A | Slope (kips/psi) | N/A | Intercept (psi) | N/A | | |
| Tested by: | J. Kuza | MTA Jack No. | 3233 | Load Cell SN: | N/A | Slope (kips/digit) | #N/A | Intercept (digits) | #N/A | Calibration Date: | #N/A |
| Time of Reading | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | |
| | AL (5%) | 5.0 | | 275 | N/A | N/A | | 0.000 | Strand | 3 | Str Area: 0.65 SQ. IN. |
| | 25% | 25.0 | | 925 | N/A | N/A | | 0.199 | Installation Angle | 45 | Degrees |
| | 50% | 50.0 | | 1750 | N/A | N/A | | 0.656 | Bond Length | 25 | FT. |
| | 75% | 75.0 | | 2575 | N/A | N/A | | 1.114 | Unbonded Length | 20 | FT. |
| | 100% | 100.0 | | 3400 | N/A | N/A | | 1.575 | Jacking Length | 5 | FT. |
| | 120% | 120.0 | | 4075 | N/A | N/A | | 2.034 | Max Jacking Load | 141.0 kips | |
| | 133% | 133.0 | 0 min | 4500 | N/A | N/A | | 2.467 | Test load | 133.0 kips | |
| | 133% | 133.0 | 1 min | 4500 | N/A | N/A | | 2.490 | 80% Jack Selected | 120.0 tons | |
| | 133% | 133.0 | 2 min | 4500 | N/A | N/A | | 2.490 | Test Load 133% | 66.5 tons | |
| | 133% | 133.0 | 3 min | 4500 | N/A | N/A | | 2.490 | CREEP TEST RESULTS: | | |
| | 133% | 133.0 | 4 min | 4500 | N/A | N/A | | 2.490 | Notes: | Re-Grout #1 | 11/24/2010 3 Bags |
| | 133% | 133.0 | 5 min | 4500 | N/A | N/A | | 2.490 | | | |
| | 133% | 133.0 | 6 min | 4500 | N/A | N/A | | 2.490 | | | |
| | 133% | 133.0 | 10 min | 4500 | N/A | N/A | | 2.490 | Creep 1 -10 min.(≤0.04"): | 0.000 | |
| | 133% | 133.0 | 15 min | 4500 | N/A | N/A | | | | | |
| | 133% | 133.0 | 20 min | 4500 | N/A | N/A | | | | | |
| | 133% | 133.0 | 25 min | 4500 | N/A | N/A | | | | | |
| | 133% | 133.0 | 30 min | 4500 | N/A | N/A | | | | | |
| | 133% | 133.0 | 40 min | 4500 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | |
| | 133% | 133.0 | 45 min | 4500 | N/A | N/A | | | | | |
| | 133% | 133.0 | 50 min | 4500 | N/A | N/A | | | PTI Elongation Limits: | | |
| | 133% | 133.0 | 60 min | 4500 | N/A | N/A | | | Minimum Elongation (@TL) = | 1.806 | IN. |
| | AL (5%) | 5.0 | | 275 | N/A | N/A | | | Maximum Elongation (@TL) = | 3.226 | IN. |
| | Lock Off (100%) | 100.0 | | 3400 | N/A | N/A | | | | | |

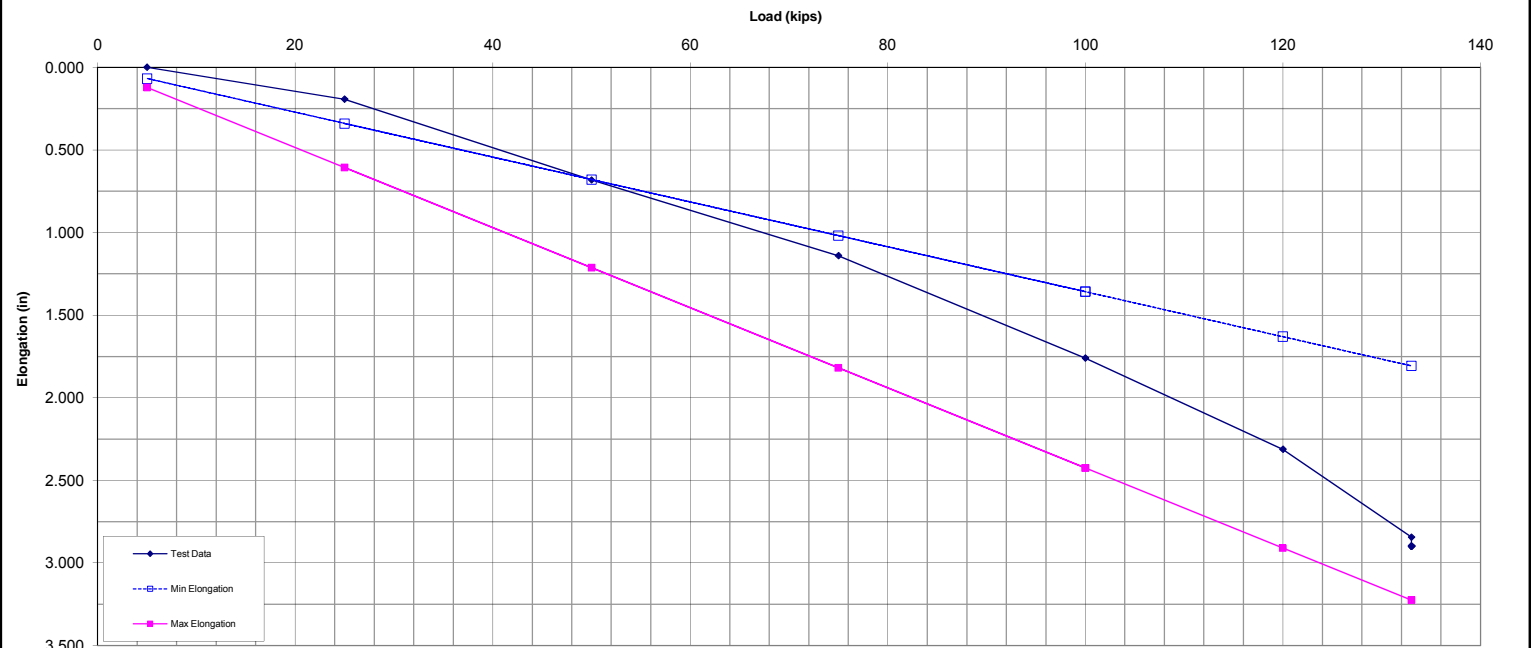


ANCHOR PROOF TEST FIELD DATA

Anchor No: TB-6 DTL (kips): 100

| | | | | | | | | | | | | | |
|---------------------|-----------------------------|--------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|------------|---------|
| Job No: 71-8492 | | Date Installed: 11/19/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 11/29/10 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 5.0 | | 275 | N/A | N/A | | 0.000 | Strand 3 | Str | Area: | 0.65 | SQ. IN. |
| | 25% | 25.0 | | 925 | N/A | N/A | | 0.193 | Installation Angle 45 Degrees | | | | |
| | 50% | 50.0 | | 1750 | N/A | N/A | | 0.682 | Bond Length 25 FT. | | | | |
| | 75% | 75.0 | | 2575 | N/A | N/A | | 1.140 | Unbonded Length 20 FT. | | | | |
| | 100% | 100.0 | | 3400 | N/A | N/A | | 1.760 | Jacking Length 5 FT. | | | | |
| | 120% | 120.0 | | 4075 | N/A | N/A | | 2.312 | Max Jacking Load | | 141.0 kips | | |
| | 133% | 133.0 | 0 min | 4500 | N/A | N/A | | 2.844 | Test load | | 133.0 kips | | |
| | 133% | 133.0 | 1 min | 4500 | N/A | N/A | | 2.898 | 80% Jack Selected | | 120.0 tons | | |
| | 133% | 133.0 | 2 min | 4500 | N/A | N/A | | 2.898 | Test Load 133% | | 66.5 tons | | |
| | 133% | 133.0 | 3 min | 4500 | N/A | N/A | | 2.898 | CREEP TEST RESULTS: | | | | |
| | 133% | 133.0 | 4 min | 4500 | N/A | N/A | | 2.898 | Notes: | | Re-Grout #1 | 11/24/2010 | 6 Bags |
| | 133% | 133.0 | 5 min | 4500 | N/A | N/A | | 2.898 | | | | | |
| | 133% | 133.0 | 6 min | 4500 | N/A | N/A | | 2.898 | | | | | |
| | 133% | 133.0 | 10 min | 4500 | N/A | N/A | | 2.898 | Creep 1 -10 min.(≤0.04"): | | 0.000 | | |
| | 133% | 133.0 | 15 min | 4500 | N/A | N/A | | | | | | | |
| | 133% | 133.0 | 20 min | 4500 | N/A | N/A | | | | | | | |
| | 133% | 133.0 | 25 min | 4500 | N/A | N/A | | | | | | | |
| | 133% | 133.0 | 30 min | 4500 | N/A | N/A | | | | | | | |
| | 133% | 133.0 | 40 min | 4500 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 133.0 | 45 min | 4500 | N/A | N/A | | | | | | | |
| | 133% | 133.0 | 50 min | 4500 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 133.0 | 60 min | 4500 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.806 IN. | | |
| | AL (5%) | 5.0 | | 275 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.226 IN. | | |
| | Lock Off (100%) | 100.0 | | 3400 | N/A | N/A | | | | | | | |

ANCHOR PROOF TEST FIELD DATA

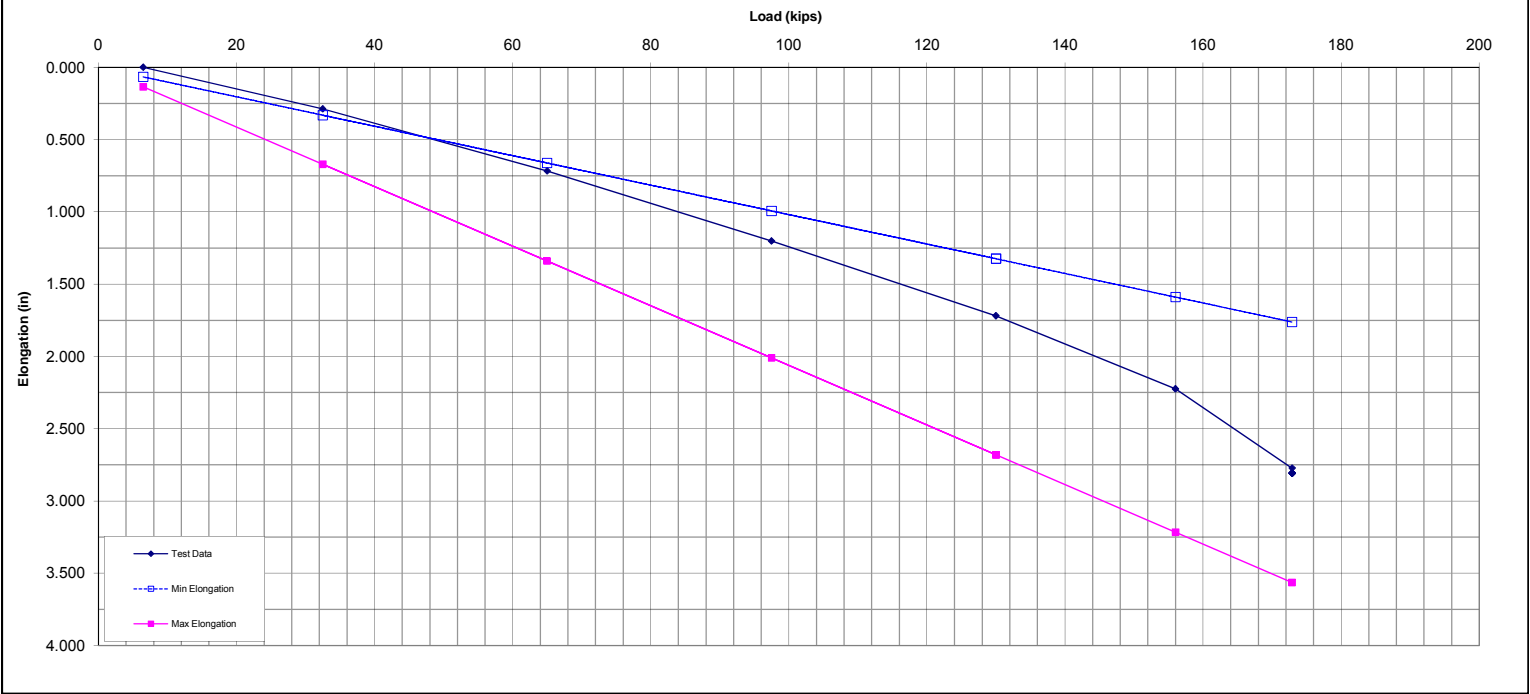


ANCHOR PROOF TEST FIELD DATA

Anchor No: TB-7 DTL (kips): 130

| | | | | | | | | | | | |
|-----------------|--------------------------|------------------|------------|--------------------------------------|-----------------------------------|--------------------------------|---------------------------|---------------------|------------------------------------|-------------------|------------------------|
| Job No: | 71-8492 | Date Installed: | 11/19/10 | Primary Gauge No: | 3233PG | Slope (kips/psi) | 33.0357 | Intercept (psi) | 89.29 | Calibration Date: | 6/14/2010 |
| Job Name: | Honeywell | Date Tested: | 11/29/10 | Secondary Gauge No: | N/A | Slope (kips/psi) | N/A | Intercept (psi) | N/A | | |
| Tested by: | | MTA Jack No. | 3233 | Load Cell SN: | N/A | Slope (kips/digit) | #N/A | Intercept (digits) | #N/A | Calibration Date: | #N/A |
| Time of Reading | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand | 4 | Str Area: 0.87 SQ. IN. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.288 | Installation Angle | 45 | Degrees |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.717 | Bond Length | 35 | FT. |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.202 | Unbonded Length | 20 | FT. |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.719 | Jacking Length | 5 | FT. |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.225 | Max Jacking Load | 187.0 kips | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 2.773 | Test load | 172.9 kips | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 2.808 | 80% Jack Selected | 120.0 tons | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 2.808 | Test Load 133% | 86.5 tons | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 2.808 | CREEP TEST RESULTS: | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 2.808 | Notes: | Re-Grout #1 | 11/24/2010 8 Bags |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 2.808 | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 2.808 | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 2.808 | Creep 1 -10 min.(≤0.04"): | 0.000 | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | Minimum Elongation (@TL) = | 1.761 | IN. |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | 3.565 | IN. |
| | Lock Off (100%) | 130.0 | | 4400 | N/A | N/A | | | | | |

ANCHOR PROOF TEST FIELD DATA

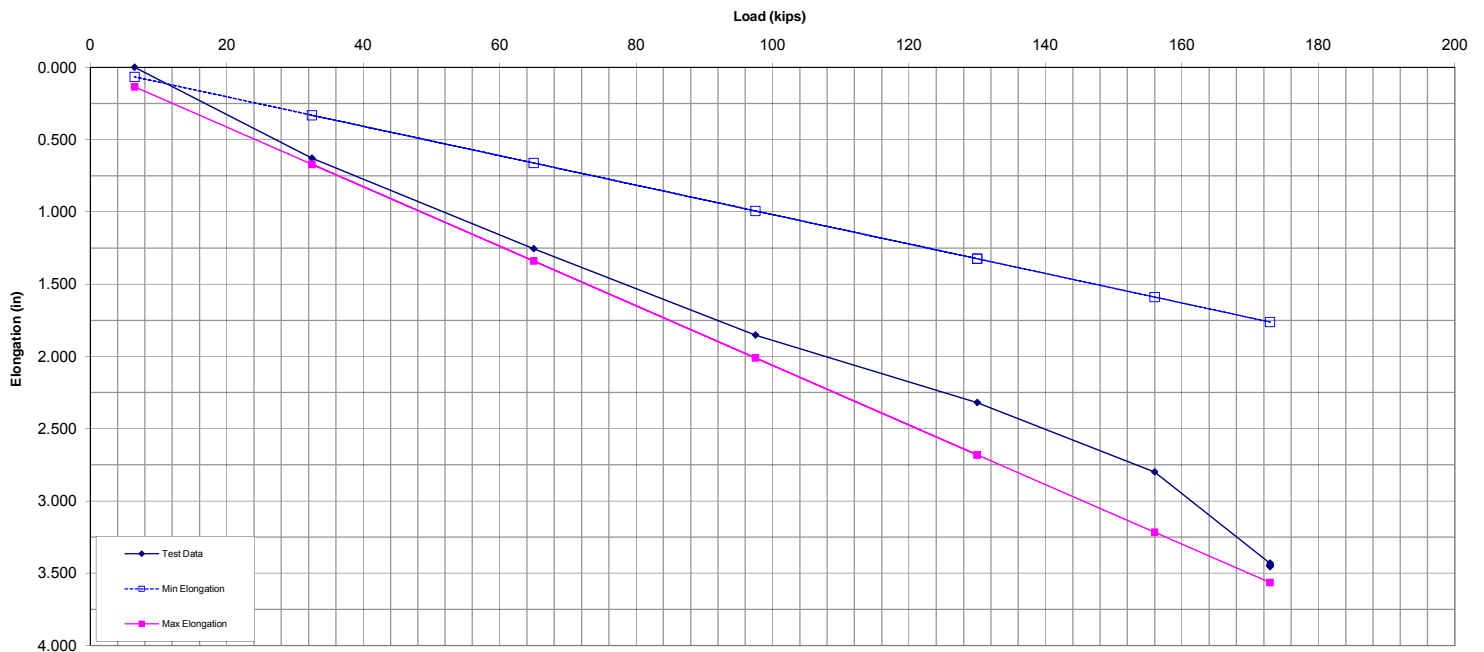


ANCHOR PROOF TEST FIELD DATA

Anchor No: TB-8 **DTL (kips):** 130

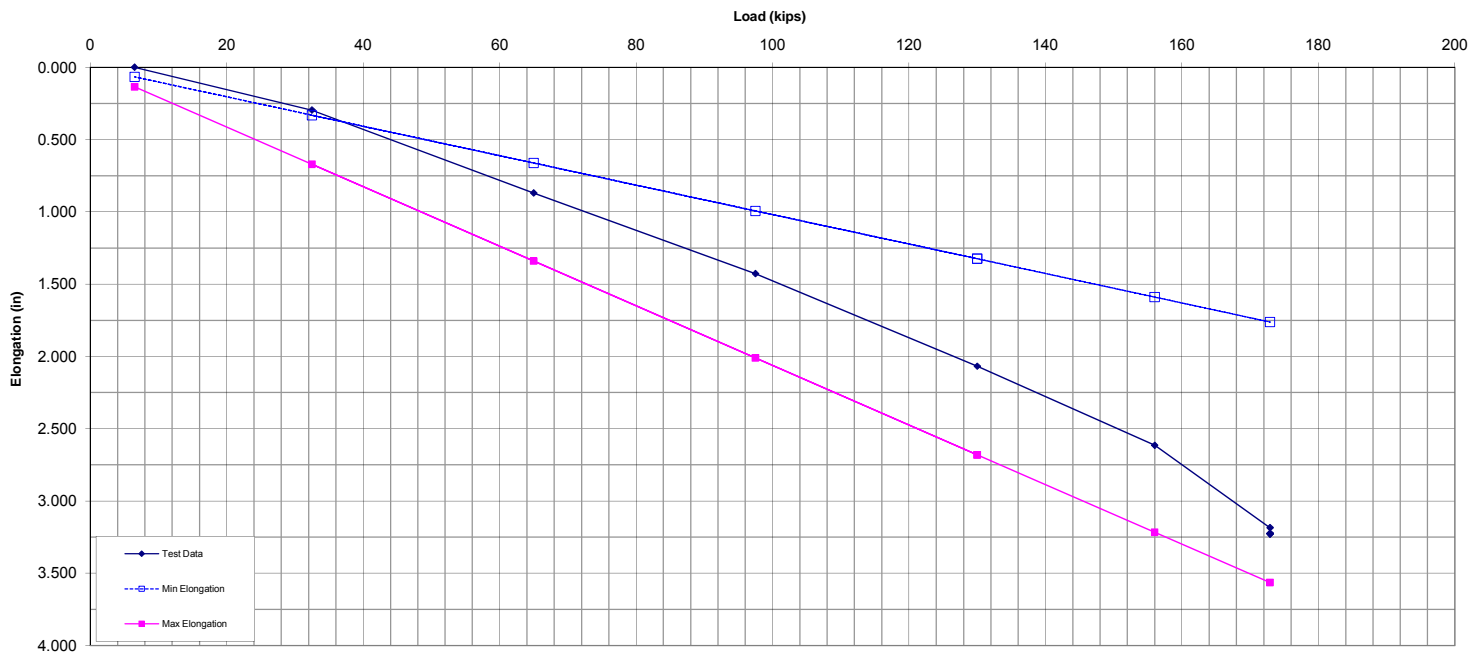
| | | | | | | | | | | | | |
|---------------------|--------------------------|--------------------------|------------|--------------------------------------|-----------------------------------|--------------------------------|---------------------------|---------------------|------------------------------------|-----|-------------------|--------------|
| Job No: 71-8492 | | Date Installed: 11/22/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 |
| Job Name: Honeywell | | Date Tested: 12/6/10 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A |
| Time of Reading | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 SQ. IN. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.629 | Installation Angle 45 Degrees | | | |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 1.255 | Bond Length 35 FT. | | | |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.852 | Unbonded Length 20 FT. | | | |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 2.319 | Jacking Length 5 FT. | | | |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.800 | Max Jacking Load 187.0 kips | | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 3.431 | Test load 172.9 kips | | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 3.444 | 80% Jack Selected 120.0 tons | | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 3.444 | Test Load 133% 86.5 tons | | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 3.445 | CREEP TEST RESULTS: | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 3.447 | Notes: | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 3.449 | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 3.452 | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 3.455 | Creep 1 -10 min.(≤0.04"): | | 0.011 | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.761 | IN. |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.565 | IN. |
| | Lock Off (100%) | 130.0 | | 4400 | N/A | N/A | | | | | | |

ANCHOR PROOF TEST FIELD DATA



Anchor No: TB-9 **DTL (kips):** 130

ANCHOR PROOF TEST FIELD DATA



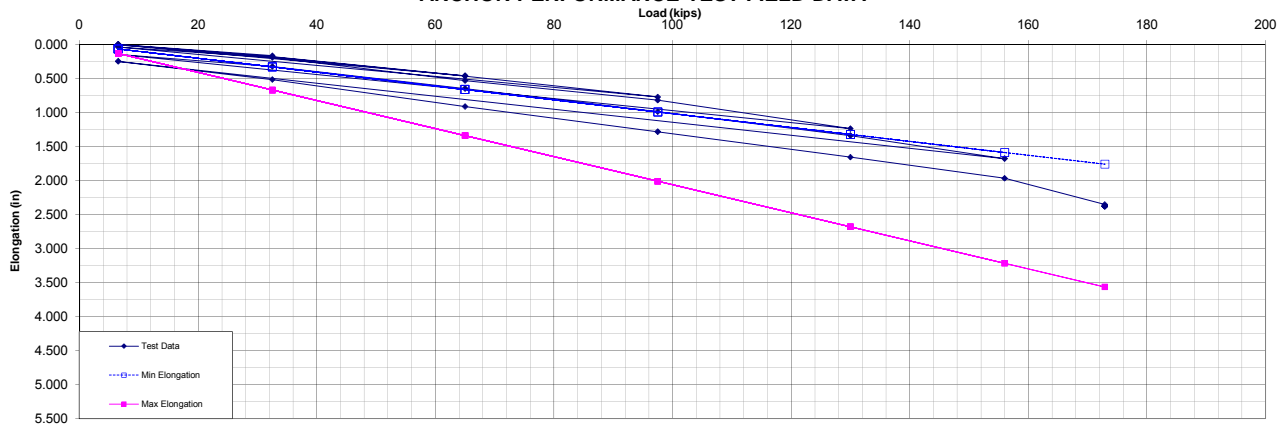
ANCHOR PERFORMANCE TEST FIELD DATA

Moretrench
100 Stickle Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor # **TB-10** DTL (kips): **130**

| | | | | | | | | | | | | | |
|---------------------|--------------------------|--------------------------|------------|--------------------------------------|-----------------------------------|--------------------------------|---------------------------|---------------------|------------------------------------|------------|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 11/23/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 12/6/10 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.166 | Installation Angle | | | 45 | Degrees |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Bond Length | | | 35 | FT. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.180 | Unbonded Length | | | 20 | FT. |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.460 | Jacking Length | | | 5 | FT. |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.004 | Max Jacking Load | 187.0 kips | | | |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.186 | Test load | 172.9 kips | | | |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.469 | Notes: | | | | |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 0.774 | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.038 | | | | | |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.195 | | | | | |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.531 | | | | | |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 0.821 | | | | | |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.238 | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.145 | | | | | |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.324 | | | | | |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.649 | | | | | |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 0.990 | | | | | |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.340 | | | | | |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 1.679 | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.250 | | | | | |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.517 | | | | | |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.914 | | | | | |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.283 | | | | | |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.658 | | | | | |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 1.969 | | | | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 2.354 | CREEP TEST RESULTS: | | | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 2.378 | | | | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 2.378 | | | | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 2.378 | | | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 2.378 | | | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 2.376 | | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 2.379 | | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 2.379 | Creep 1 -10 min.(≤0.04"): | | 0.001 | | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.761 | IN. | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.565 | IN. | |
| | Lock Off (100%) | 130.0 | | 4400 | N/A | N/A | | | | | | | |

ANCHOR PERFORMANCE TEST FIELD DATA



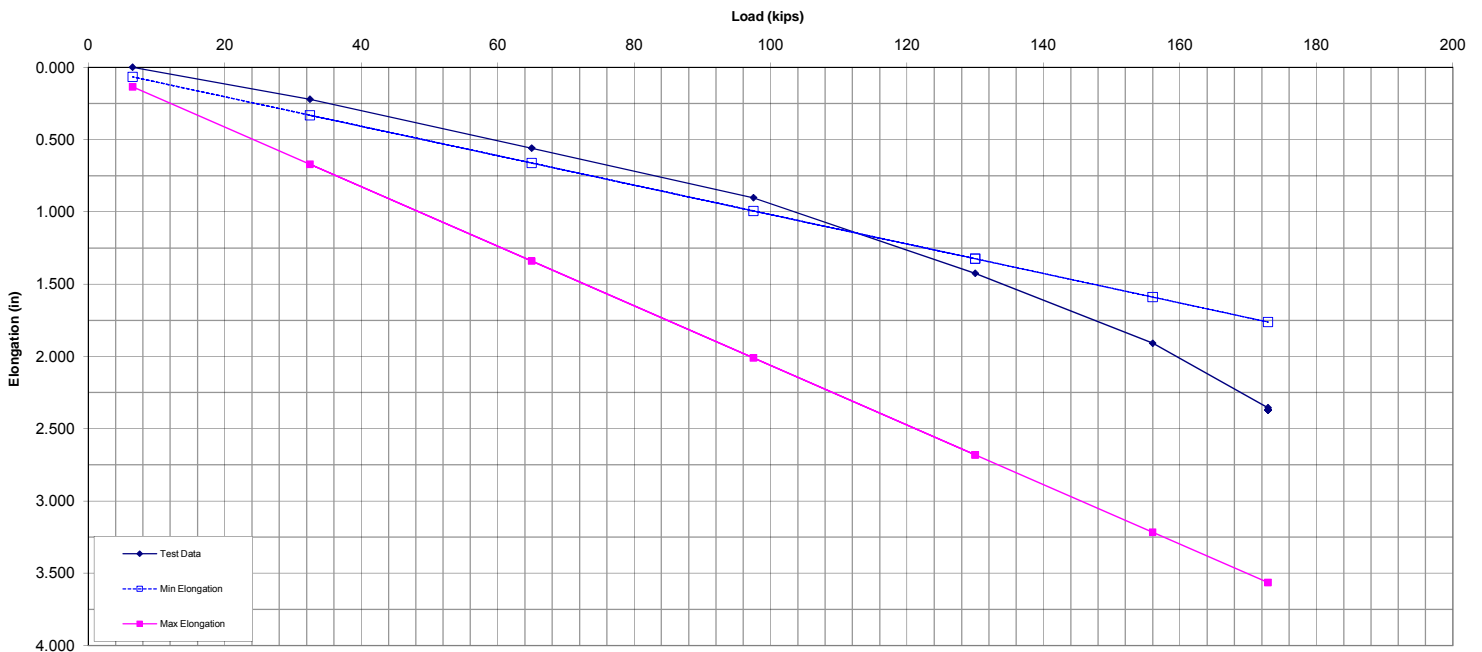
ANCHOR PROOF TEST FIELD DATA

Moretrench
100 Stickie Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor No: TB-11 **DTL (kips):** 130

| | | | | | | | | | | | | | | |
|---------------------|-----------------------------|--------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|---------|
| Job No: 71-8492 | | Date Installed: 11/23/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | | |
| Job Name: Honeywell | | Date Tested: 12/6/10 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | | |
| Reading | | | | | | | | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. | |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.221 | Installation Angle 45 | | | | | Degrees |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.559 | Bond Length 35 | | | | | FT. |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 0.902 | Unbonded Length 20 | | | | | FT. |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.425 | Jacking Length 5 | | | | | FT. |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 1.909 | Max Jacking Load 187.0 kips | | | | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 2.355 | Test load 172.9 kips | | | | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 2.370 | 80% Jack Selected 120.0 tons | | | | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 2.370 | Test Load 133% 86.5 tons | | | | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 2.370 | CREEP TEST RESULTS: | | | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 2.370 | Notes: | | | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 2.370 | | | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 2.370 | | | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 2.371 | Creep 1 -10 min.(≤0.04"): | | 0.001 | | | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | Minimum Elongation (@TL) = 1.761 | | | | | IN. |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = 3.565 | | | | | IN. |
| | Lock Off (100%) | 130.0 | | 4400 | N/A | N/A | | | | | | | | |

ANCHOR PROOF TEST FIELD DATA



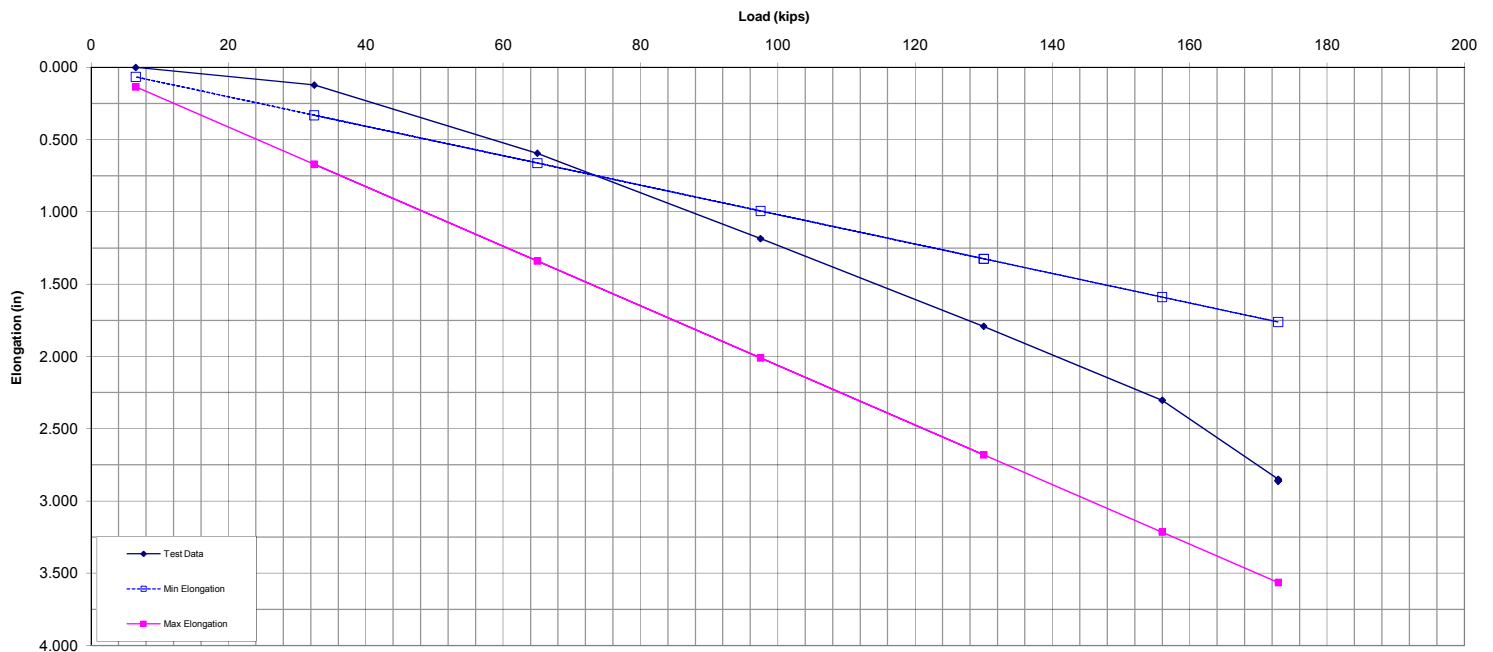
ANCHOR PROOF TEST FIELD DATA

Moretrench
100 Stickie Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor No: **TB-12** DTL (kips): **130**

| | | | | | | | | | | | | | | |
|---------------------|--------------------------|--------------------------|------------|--------------------------------------|-----------------------------------|--------------------------------|---------------------------|---------------------|------------------------------------|-----|-------------------|-----------|---------|---------|
| Job No: 71-8492 | | Date Installed: 11/24/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | | |
| Job Name: Honeywell | | Date Tested: 12/13/10 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | | |
| Time of Reading | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | | |
| | | | | | | | | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. | |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.122 | Installation Angle 45 | | | | | Degrees |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.594 | Bond Length 35 | | | | | FT. |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.185 | Unbonded Length 20 | | | | | FT. |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.792 | Jacking Length 5 | | | | | FT. |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.304 | Max Jacking Load 187.0 kips | | | | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 2.850 | Test load 172.9 kips | | | | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 2.862 | 80% Jack Selected 120.0 tons | | | | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 2.862 | Test Load 133% 86.5 tons | | | | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 2.862 | CREEP TEST RESULTS: | | | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 2.862 | Notes: | | | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 2.862 | | | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 2.862 | | | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 2.862 | Creep 1 -10 min.(≤0.04"): | | 0.000 | | | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.761 | IN. | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.565 | IN. | | |
| | Lock Off (100%) | 130.0 | | 4400 | N/A | N/A | | | | | | | | |

ANCHOR PROOF TEST FIELD DATA

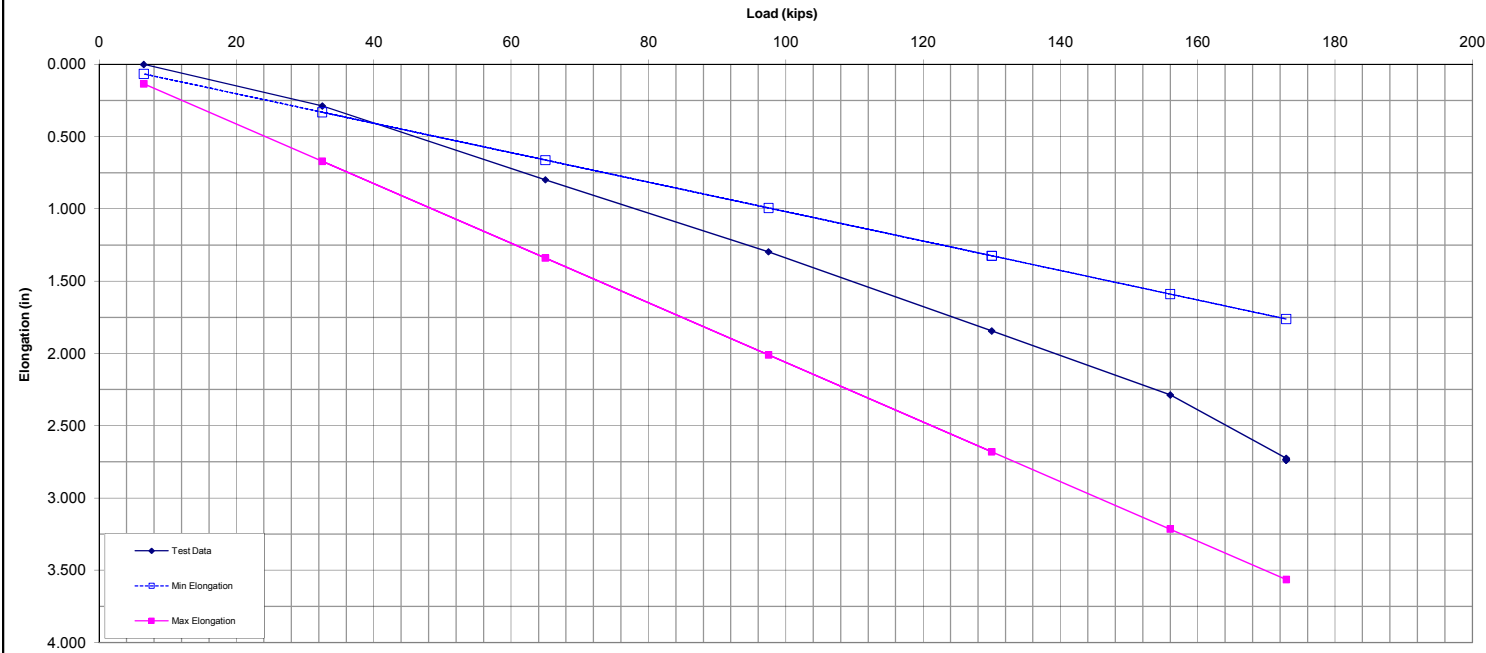


ANCHOR PROOF TEST FIELD DATA

Anchor No: **TB-13** DTL (kips): **130**

| | | | | | | | | | | | | | |
|---------------------|-----------------------------|--------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 11/30/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 12/13/10 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.287 | Installation Angle | | | 45 | Degrees |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.798 | Bond Length | | | 35 | FT. |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.296 | Unbonded Length | | | 20 | FT. |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.844 | Jacking Length | | | 5 | FT. |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.287 | Max Jacking Load | | 187.0 kips | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 2.725 | Test load | | 172.9 kips | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 2.736 | 80% Jack Selected | | 120.0 tons | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 2.736 | Test Load 133% | | 86.5 tons | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 2.736 | CREEP TEST RESULTS: | | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 2.736 | Notes: | | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 2.736 | | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 2.736 | | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 2.736 | Creep 1 -10 min.(≤0.04"): | | | 0.000 | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | Minimum Elongation (@TL) = | | | 1.761 | IN. |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | | 3.565 | IN. |
| | Lock Off (100%) | 130.0 | | 4400 | N/A | N/A | | | | | | | |

ANCHOR PROOF TEST FIELD DATA

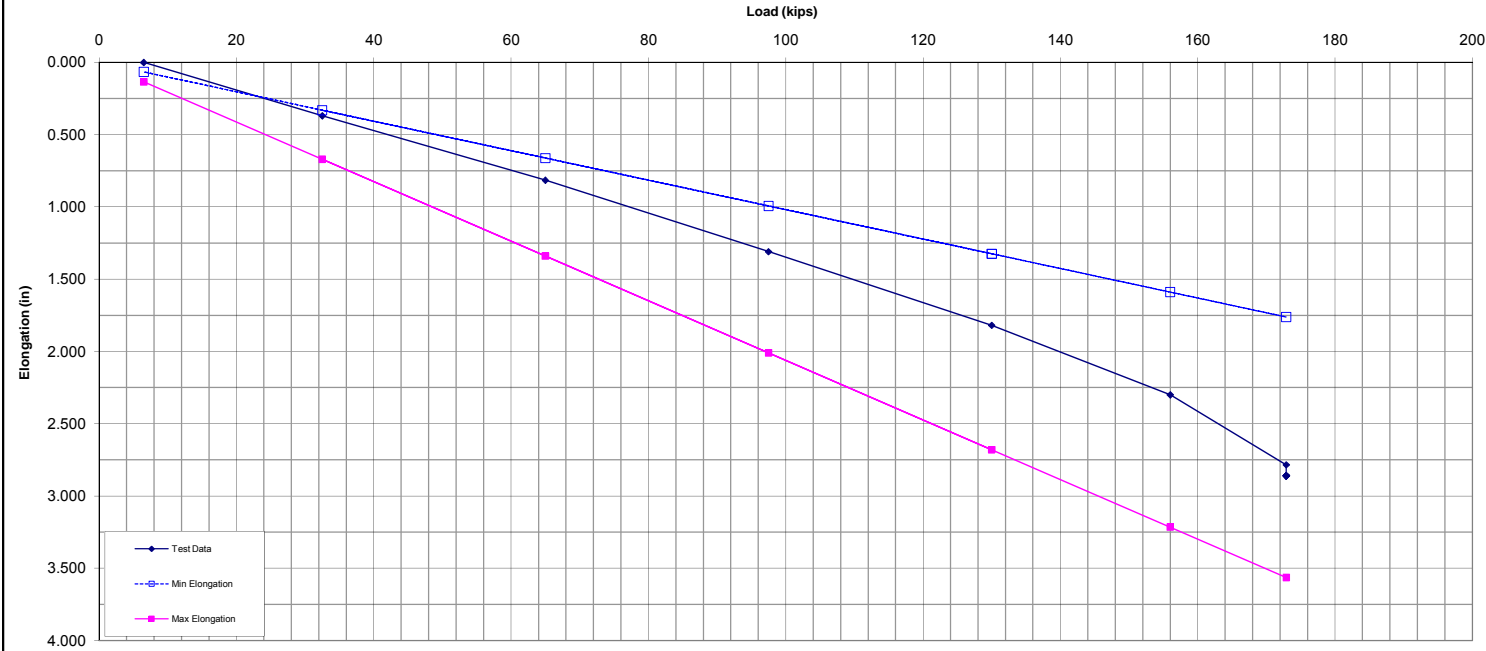


ANCHOR PROOF TEST FIELD DATA

Anchor No: **TB-14** DTL (kips): **130**

| | | | | | | | | | | | | | |
|---------------------|-----------------------------|--------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|---|-----|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 11/30/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 12/13/10 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.369 | Installation Angle | | | 45 | Degrees |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.815 | Bond Length | | | 35 | FT. |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.309 | Unbonded Length | | | 20 | FT. |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.819 | Jacking Length | | | 5 | FT. |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.300 | Max Jacking Load | | 187.0 kips | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 2.784 | Test load | | 172.9 kips | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 2.860 | 80% Jack Selected | | 120.0 tons | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 2.860 | Test Load 133% | | 86.5 tons | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 2.860 | CREEP TEST RESULTS: | | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 2.860 | Notes: Sheeting wall made a popping sound from 0-1 min reading. | | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 2.860 | | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 2.860 | | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 2.860 | Creep 1 -10 min.(≤0.04"): | | | 0.000 | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | Minimum Elongation (@TL) = | | | 1.761 | IN. |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | | 3.565 | IN. |
| | Lock Off (100%) | 130.0 | | 4400 | N/A | N/A | | | | | | | |

ANCHOR PROOF TEST FIELD DATA

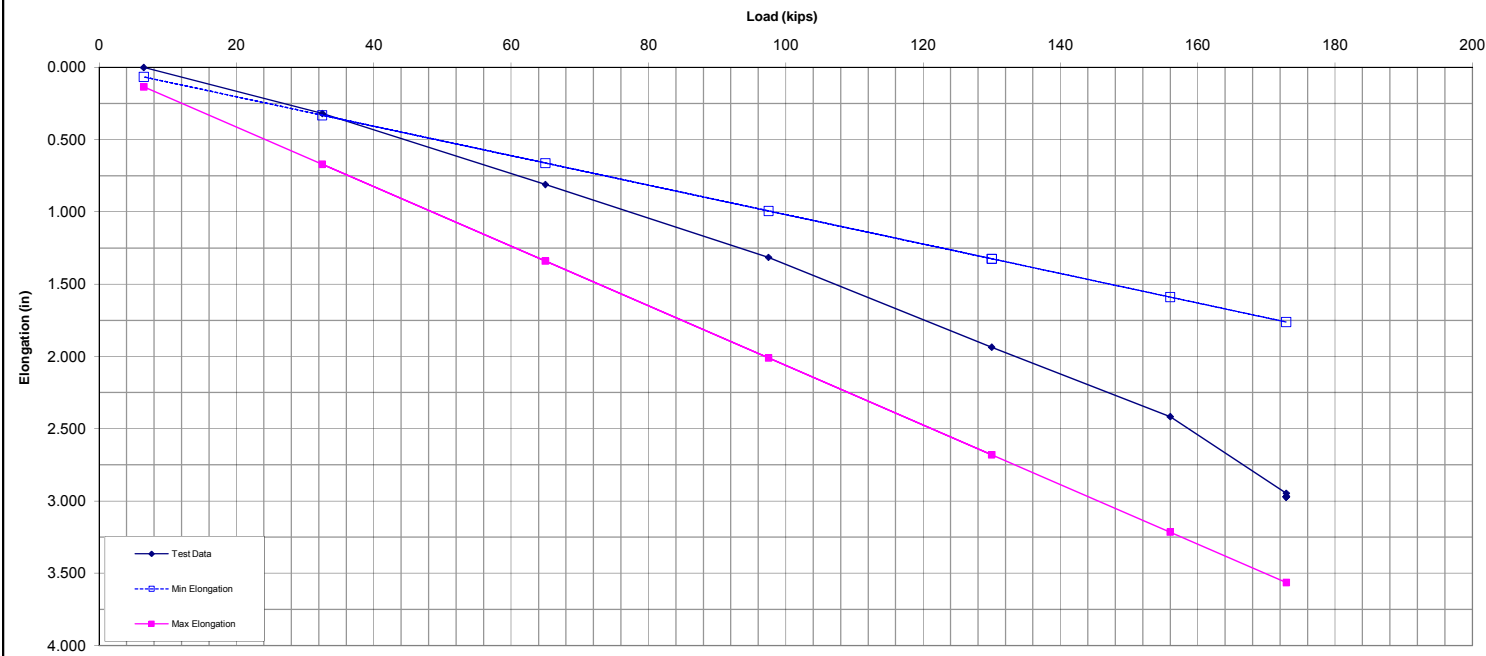


ANCHOR PROOF TEST FIELD DATA

Anchor No: **TB-15** DTL (kips): **130**

| | | | | | | | | | | | | | |
|---------------------|-----------------------------|-------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|---|-----|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 12/2/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 12/13/10 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.318 | Installation Angle | | | 45 | Degrees |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.810 | Bond Length | | | 35 | FT. |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.314 | Unbonded Length | | | 20 | FT. |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.936 | Jacking Length | | | 5 | FT. |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.417 | Max Jacking Load | | 187.0 kips | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 2.947 | Test load | | 172.9 kips | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 2.972 | 80% Jack Selected | | 120.0 tons | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 2.972 | Test Load 133% | | 86.5 tons | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 2.972 | CREEP TEST RESULTS: | | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 2.972 | Notes: Sheeting wall made a popping sound from 0-1 min reading. | | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 2.972 | | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 2.972 | | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 2.972 | Creep 1 -10 min.(≤0.04"): | | | 0.000 | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | Minimum Elongation (@TL) = | | | 1.761 | IN. |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | | 3.565 | IN. |
| | Lock Off (100%) | 130.0 | | 4400 | N/A | N/A | | | | | | | |

ANCHOR PROOF TEST FIELD DATA

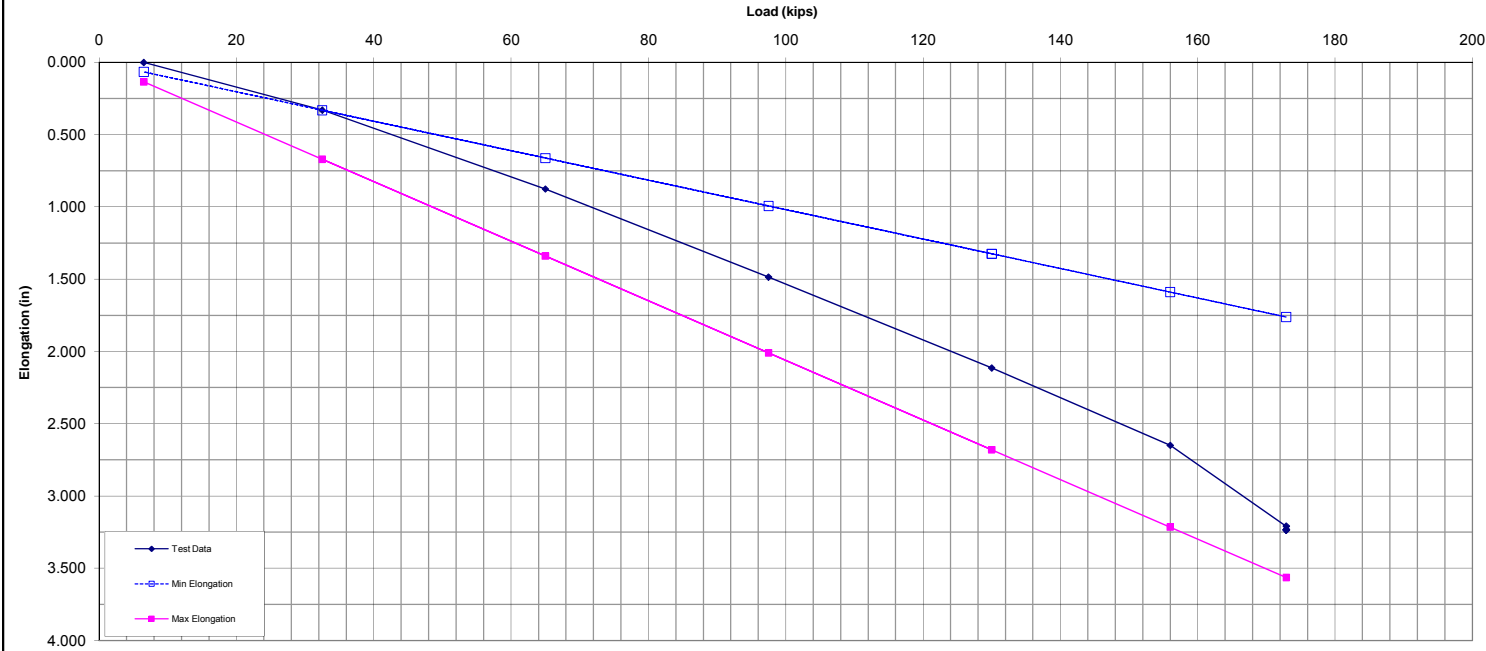


ANCHOR PROOF TEST FIELD DATA

Anchor No: **TB-16** DTL (kips): **130**

| | | | | | | | | | | | | | |
|---------------------|-----------------------------|-------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|---|-----|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 12/1/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 12/13/10 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.330 | Installation Angle | | | 45 | Degrees |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.876 | Bond Length | | | 35 | FT. |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.486 | Unbonded Length | | | 20 | FT. |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 2.115 | Jacking Length | | | 5 | FT. |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.650 | Max Jacking Load | | 187.0 kips | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 3.210 | Test load | | 172.9 kips | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 3.236 | 80% Jack Selected | | 120.0 tons | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 3.236 | Test Load 133% | | 86.5 tons | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 3.236 | CREEP TEST RESULTS: | | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 3.236 | Notes: Sheeting wall made a popping sound from 0-1 min reading. | | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 3.236 | Creep 1 -10 min.(≤0.04"): | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 3.236 | | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 3.236 | | | | | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.761 IN. | | |
| | Lock Off (100%) | 130.0 | | 4400 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.565 IN. | | |

ANCHOR PROOF TEST FIELD DATA

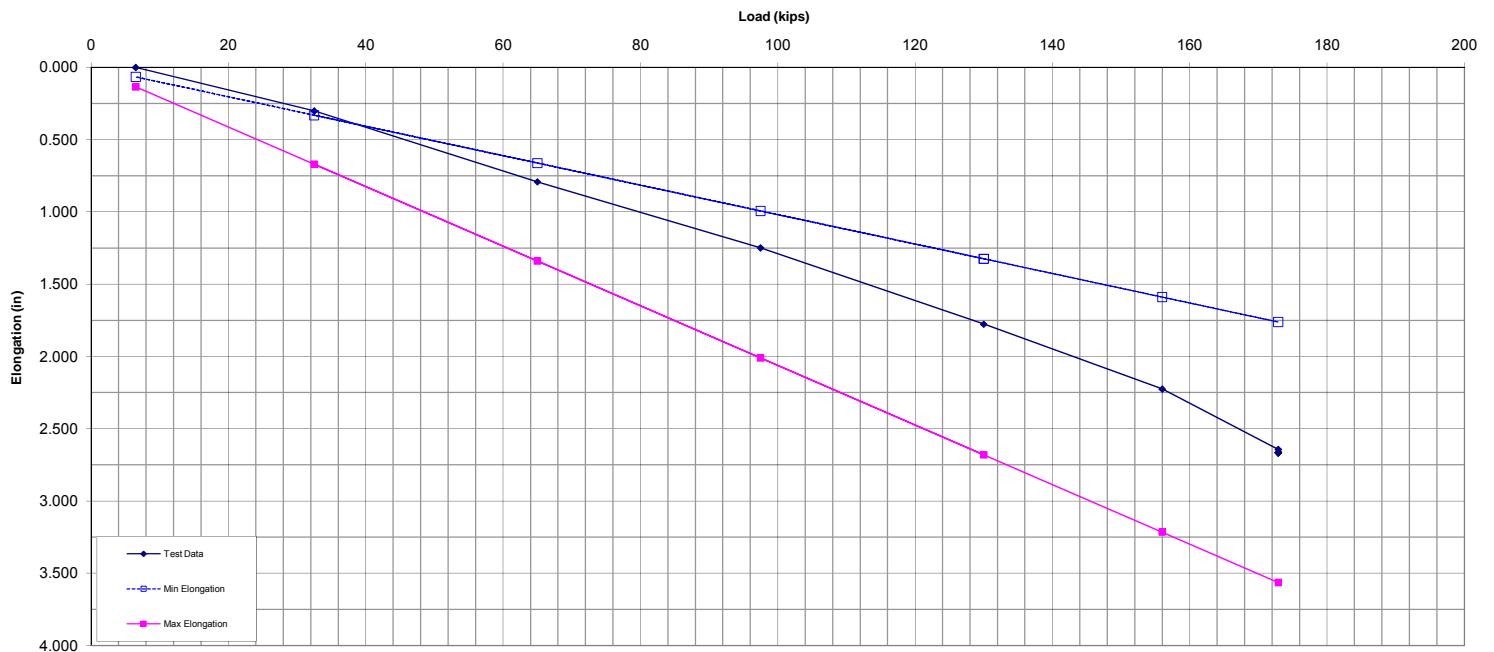


ANCHOR PROOF TEST FIELD DATA

Anchor No: **TB-17** DTL (kips): **130**

| | | | | | | | | | | | | |
|---------------------|--------------------------|-------------------------|------------|--------------------------------------|-----------------------------------|--------------------------------|---------------------------|---------------------|---|-----|-------------------|--------------|
| Job No: 71-8492 | | Date Installed: 12/2/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 |
| Job Name: Honeywell | | Date Tested: 12/13/10 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A |
| Time of Reading | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 SQ. IN. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.301 | Installation Angle 45 Degrees | | | |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.791 | Bond Length 35 FT. | | | |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.248 | Unbonded Length 20 FT. | | | |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.776 | Jacking Length 5 FT. | | | |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.225 | Max Jacking Load 187.0 kips | | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 2.643 | Test load 172.9 kips | | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 2.665 | 80% Jack Selected 120.0 tons | | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 2.665 | Test Load 133% 86.5 tons | | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 2.665 | CREEP TEST RESULTS: | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 2.665 | Notes: Sheeting wall made a popping sound from 0-1 min reading. | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 2.665 | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 2.665 | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 2.665 | Creep 1 -10 min.(≤0.04"): | | 0.000 | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.761 | IN. |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.565 | IN. |
| | Lock Off (100%) | 130.0 | | 4400 | N/A | N/A | | | | | | |

ANCHOR PROOF TEST FIELD DATA

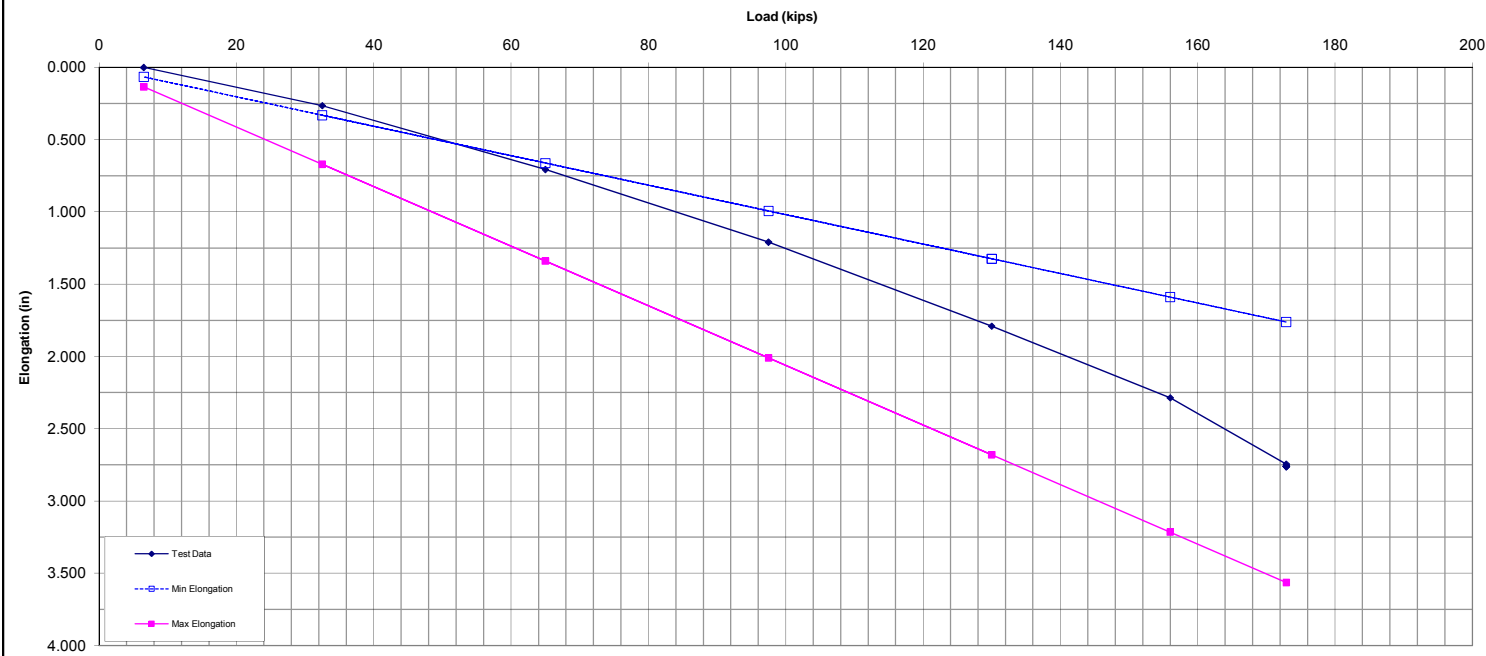


ANCHOR PROOF TEST FIELD DATA

Anchor No: **TB-18** DTL (kips): **130**

| | | | | | | | | | | | | | |
|---------------------|-----------------------------|-------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 12/3/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 12/20/10 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.264 | Installation Angle | | | 45 | Degrees |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.706 | Bond Length | | | 35 | FT. |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.209 | Unbonded Length | | | 20 | FT. |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.790 | Jacking Length | | | 5 | FT. |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.286 | Max Jacking Load | | 187.0 kips | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 2.745 | Test load | | 172.9 kips | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 2.760 | 80% Jack Selected | | 120.0 tons | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 2.761 | Test Load 133% | | 86.5 tons | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 2.761 | CREEP TEST RESULTS: | | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 2.761 | Notes: | | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 2.761 | | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 2.761 | | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 2.761 | Creep 1 -10 min.(≤0.04"): | | 0.001 | | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.761 IN. | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.565 IN. | | |
| | Lock Off (100%) | 130.0 | | 4450 | N/A | N/A | | | | | | | |

ANCHOR PROOF TEST FIELD DATA

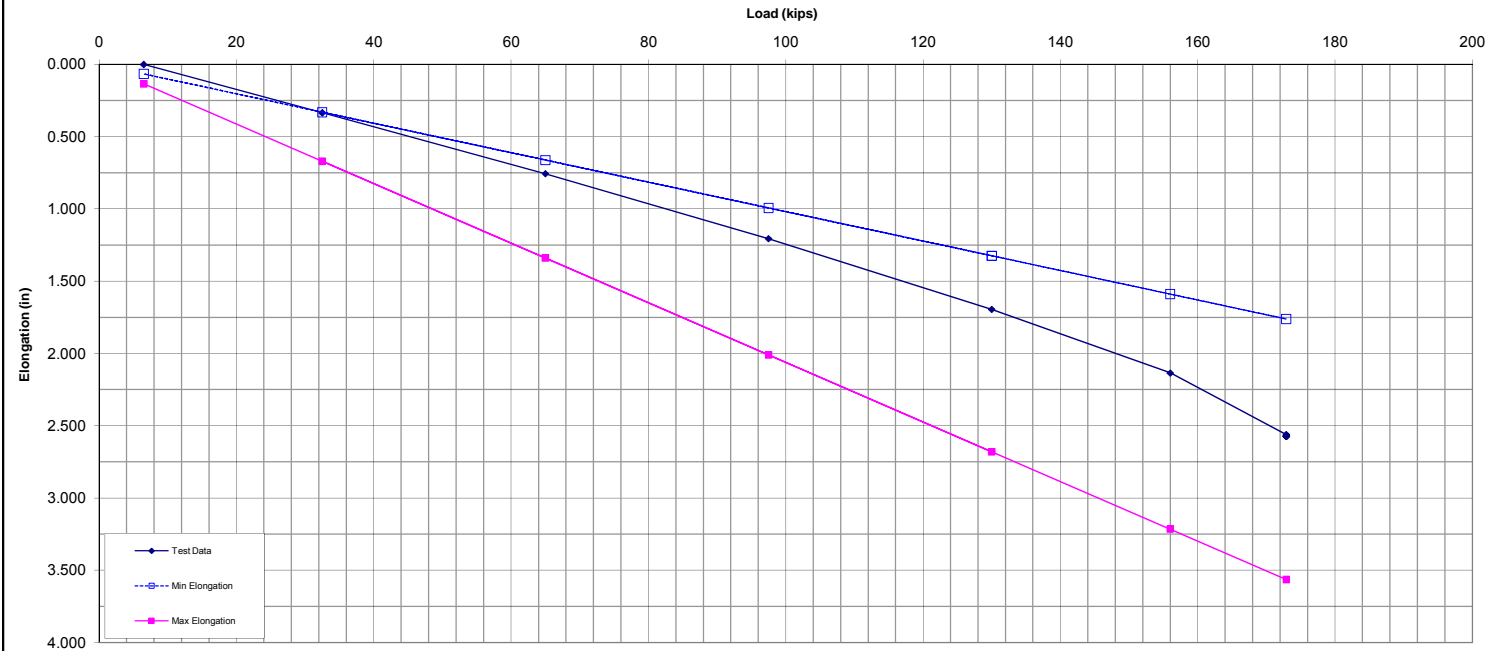


ANCHOR PROOF TEST FIELD DATA

Anchor No: **TB-19** DTL (kips): **130**

| | | | | | | | | | | | | | |
|---------------------|-----------------------------|-------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 12/7/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 12/20/10 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.334 | Installation Angle | | | 45 | Degrees |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.756 | Bond Length | | | 35 | FT. |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.205 | Unbonded Length | | | 20 | FT. |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.695 | Jacking Length | | | 5 | FT. |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.135 | Max Jacking Load | | 187.0 kips | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 2.561 | Test load | | 172.9 kips | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 2.572 | 80% Jack Selected | | 120.0 tons | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 2.572 | Test Load 133% | | 86.5 tons | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 2.572 | CREEP TEST RESULTS: | | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 2.572 | Notes: | | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 2.572 | | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 2.572 | | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 2.572 | Creep 1 -10 min.(≤0.04"): | | 0.000 | | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.761 IN. | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.565 IN. | | |
| | Lock Off (100%) | 130.0 | | 4450 | N/A | N/A | | | | | | | |

ANCHOR PROOF TEST FIELD DATA

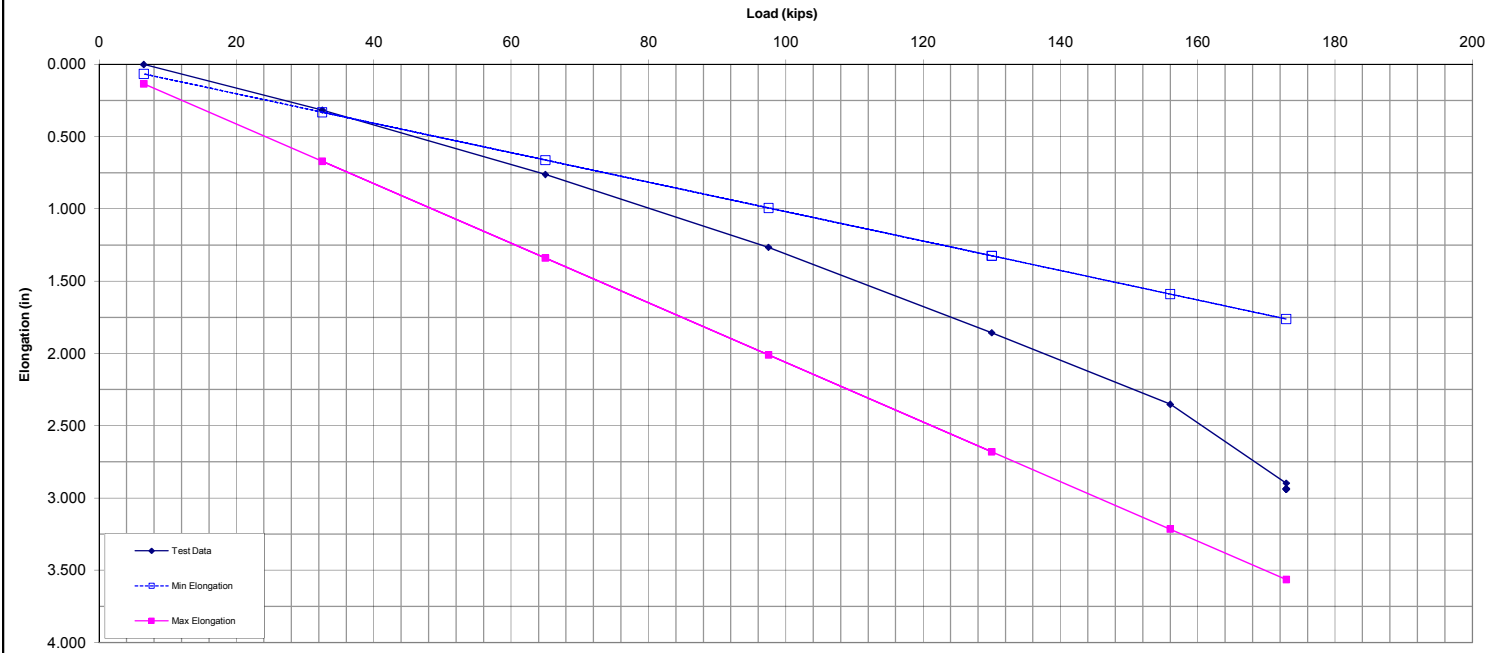


ANCHOR PROOF TEST FIELD DATA

Anchor No: **TB-20** DTL (kips): **130**

| | | | | | | | | | | | | | |
|---------------------|-----------------------------|-------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 12/3/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 12/20/10 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.315 | Installation Angle | | | 45 | Degrees |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.761 | Bond Length | | | 35 | FT. |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.265 | Unbonded Length | | | 20 | FT. |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.857 | Jacking Length | | | 5 | FT. |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.352 | Max Jacking Load | | 187.0 kips | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 2.898 | Test load | | 172.9 kips | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 2.938 | 80% Jack Selected | | 120.0 tons | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 2.938 | Test Load 133% | | 86.5 tons | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 2.938 | CREEP TEST RESULTS: | | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 2.938 | Notes: | | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 2.938 | | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 2.938 | | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 2.938 | Creep 1 -10 min.(≤0.04"): | | 0.000 | | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.761 IN. | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.565 IN. | | |
| | Lock Off (100%) | 130.0 | | 4450 | N/A | N/A | | | | | | | |

ANCHOR PROOF TEST FIELD DATA

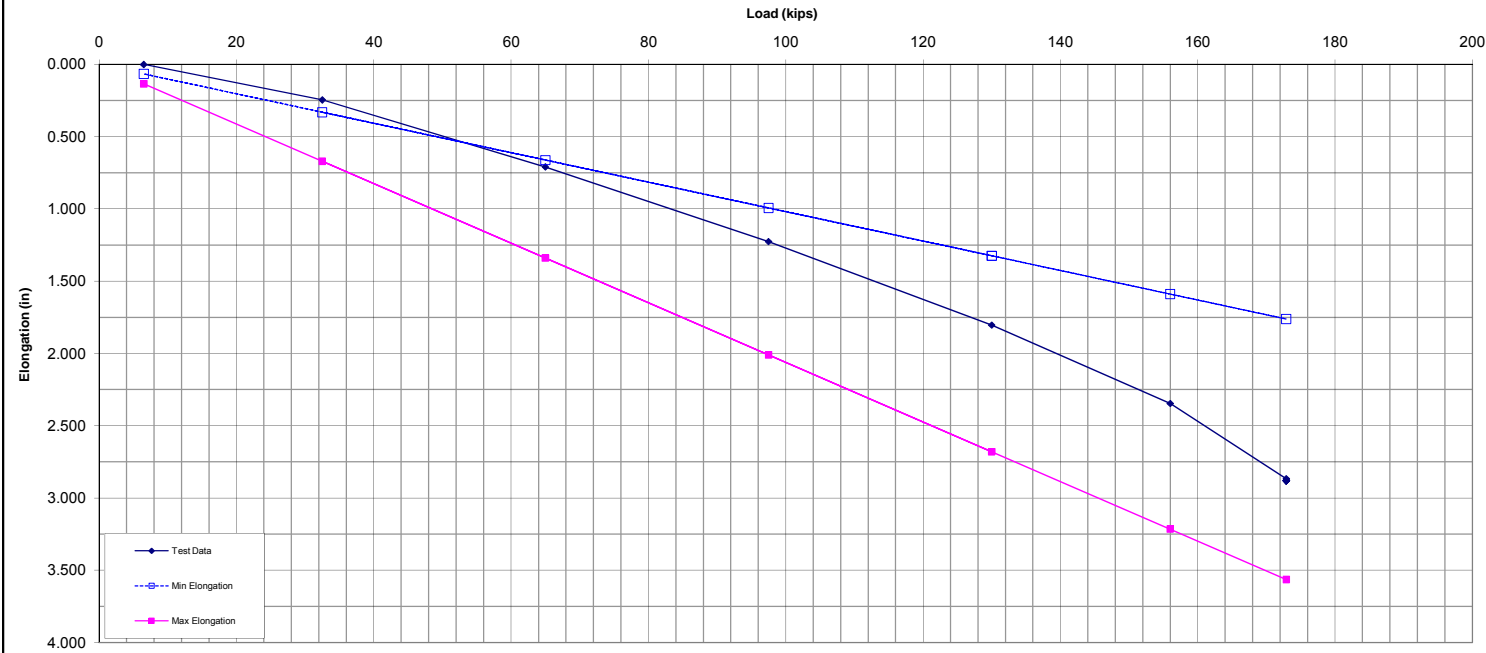


ANCHOR PROOF TEST FIELD DATA

Anchor No: **TB-21** DTL (kips): **130**

| | | | | | | | | | | | | | |
|---------------------|-----------------------------|-------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 12/7/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 12/21/10 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.245 | Installation Angle | | | 45 | Degrees |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.709 | Bond Length | | | 35 | FT. |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.226 | Unbonded Length | | | 20 | FT. |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.804 | Jacking Length | | | 5 | FT. |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.346 | Max Jacking Load | | 187.0 kips | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 2.868 | Test load | | 172.9 kips | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 2.881 | 80% Jack Selected | | 120.0 tons | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 2.881 | Test Load 133% | | 86.5 tons | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 2.881 | CREEP TEST RESULTS: | | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 2.881 | Notes: | | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 2.881 | | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 2.881 | | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 2.881 | Creep 1 -10 min.(≤0.04"): | | 0.000 | | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.761 IN. | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.565 IN. | | |
| | Lock Off (100%) | 130.0 | | 4450 | N/A | N/A | | | | | | | |

ANCHOR PROOF TEST FIELD DATA

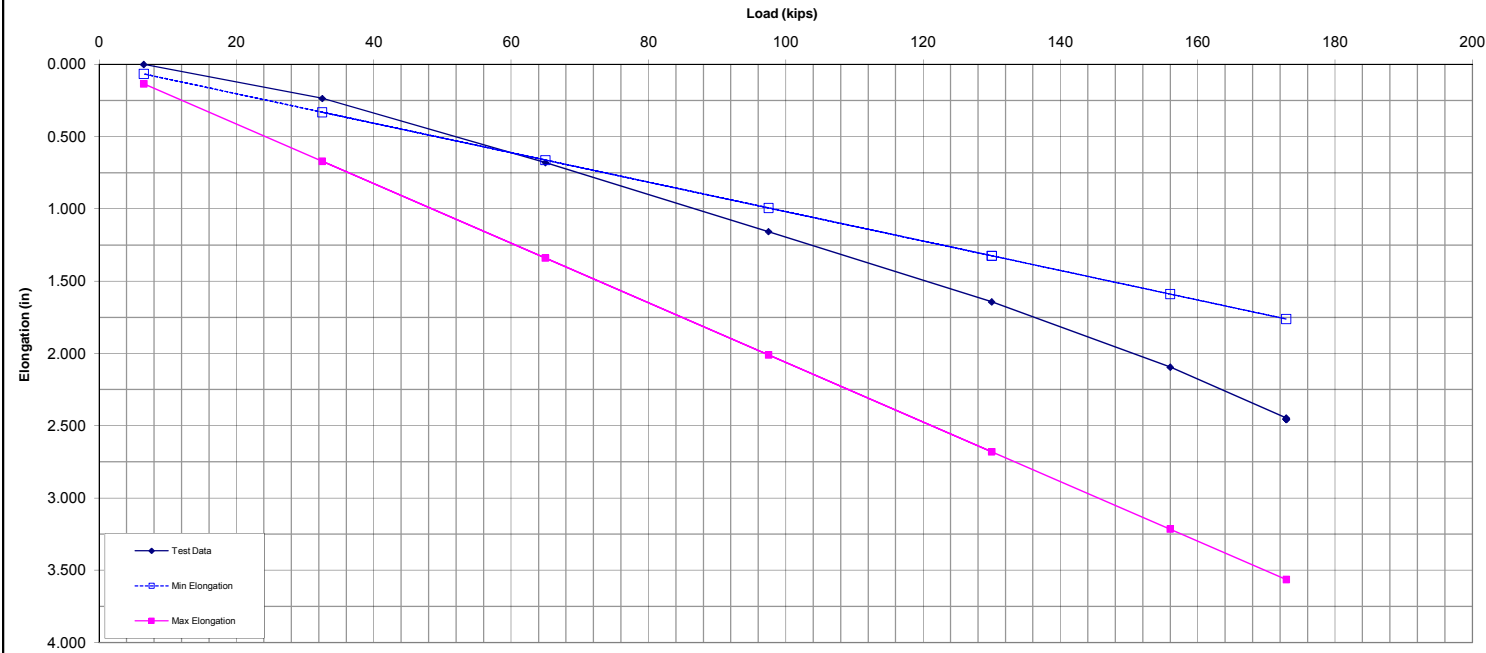


ANCHOR PROOF TEST FIELD DATA

Anchor No: **TB-22** DTL (kips): **130**

| | | | | | | | | | | | | | |
|---------------------|-----------------------------|-------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 12/9/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 12/21/10 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.235 | Installation Angle | | | 45 | Degrees |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.679 | Bond Length | | | 35 | FT. |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.157 | Unbonded Length | | | 20 | FT. |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.643 | Jacking Length | | | 5 | FT. |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.095 | Max Jacking Load | | 187.0 kips | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 2.447 | Test load | | 172.9 kips | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 2.455 | 80% Jack Selected | | 120.0 tons | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 2.455 | Test Load 133% | | 86.5 tons | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 2.455 | CREEP TEST RESULTS: | | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 2.455 | Notes: | | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 2.455 | | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 2.455 | | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 2.455 | Creep 1 -10 min.(≤0.04"): | | 0.000 | | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.761 IN. | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.565 IN. | | |
| | Lock Off (100%) | 130.0 | | 4500 | N/A | N/A | | | | | | | |

ANCHOR PROOF TEST FIELD DATA

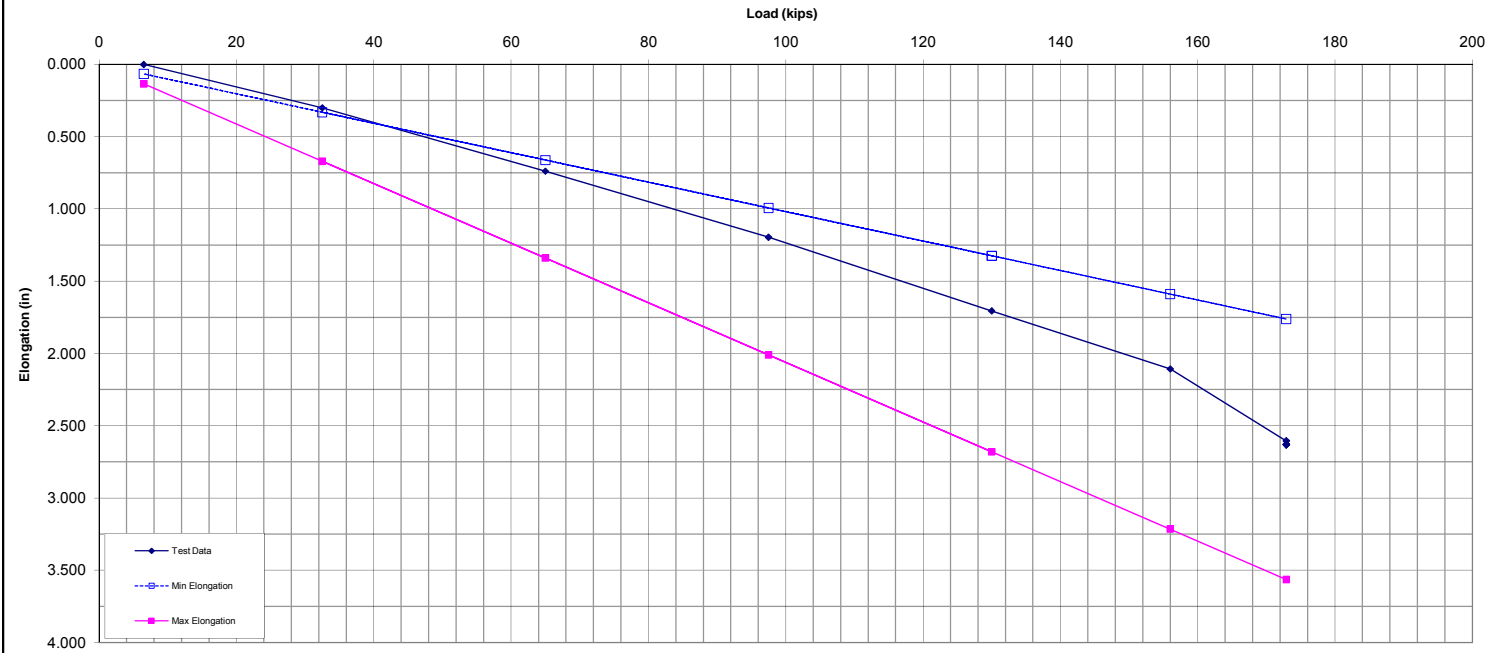


ANCHOR PROOF TEST FIELD DATA

Anchor No: **TB-23** DTL (kips): **130**

| | | | | | | | | | | | | | |
|---------------------|-----------------------------|-------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 12/8/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 12/22/10 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.300 | Installation Angle | | | 45 | Degrees |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.738 | Bond Length | | | 35 | FT. |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.196 | Unbonded Length | | | 20 | FT. |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.706 | Jacking Length | | | 5 | FT. |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.108 | Max Jacking Load | | 187.0 kips | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 2.605 | Test load | | 172.9 kips | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 2.631 | 80% Jack Selected | | 120.0 tons | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 2.631 | Test Load 133% | | 86.5 tons | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 2.631 | CREEP TEST RESULTS: | | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 2.631 | Notes: | | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 2.631 | | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 2.631 | | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 2.631 | Creep 1 -10 min.(≤0.04"): | | 0.000 | | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.761 IN. | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.565 IN. | | |
| | Lock Off (100%) | 130.0 | | 4500 | N/A | N/A | | | | | | | |

ANCHOR PROOF TEST FIELD DATA

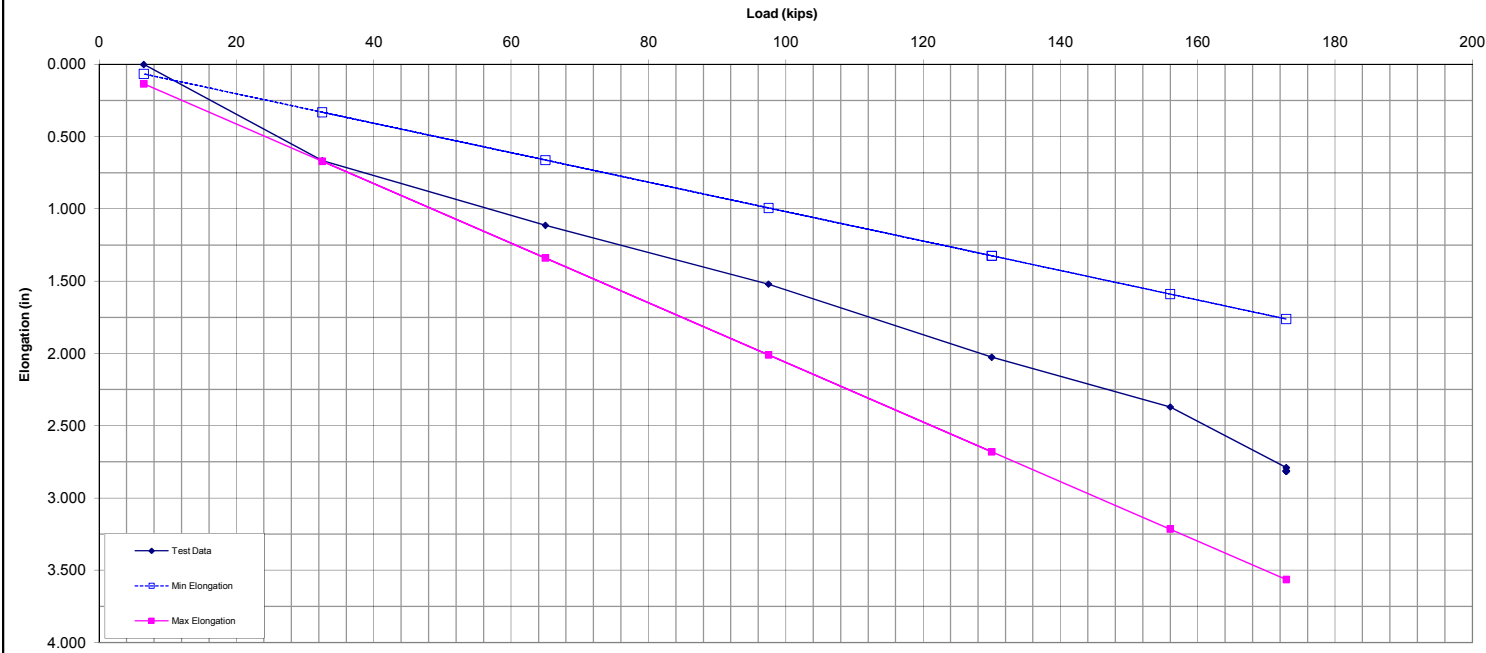


ANCHOR PROOF TEST FIELD DATA

Anchor No: **TB-24** DTL (kips): **130**

| | | | | | | | | | | | | | |
|---------------------|-----------------------------|-------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 12/8/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 12/22/10 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.665 | Installation Angle | | | 45 | Degrees |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 1.113 | Bond Length | | | 35 | FT. |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.520 | Unbonded Length | | | 20 | FT. |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 2.026 | Jacking Length | | | 5 | FT. |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.370 | Max Jacking Load | | 187.0 kips | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 2.790 | Test load | | 172.9 kips | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 2.814 | 80% Jack Selected | | 120.0 tons | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 2.814 | Test Load 133% | | 86.5 tons | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 2.814 | CREEP TEST RESULTS: | | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 2.814 | Notes: | | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 2.814 | | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 2.814 | | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 2.814 | Creep 1 -10 min.(≤0.04"): | | 0.000 | | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.761 IN. | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.565 IN. | | |
| | Lock Off (100%) | 130.0 | | 4500 | N/A | N/A | | | | | | | |

ANCHOR PROOF TEST FIELD DATA

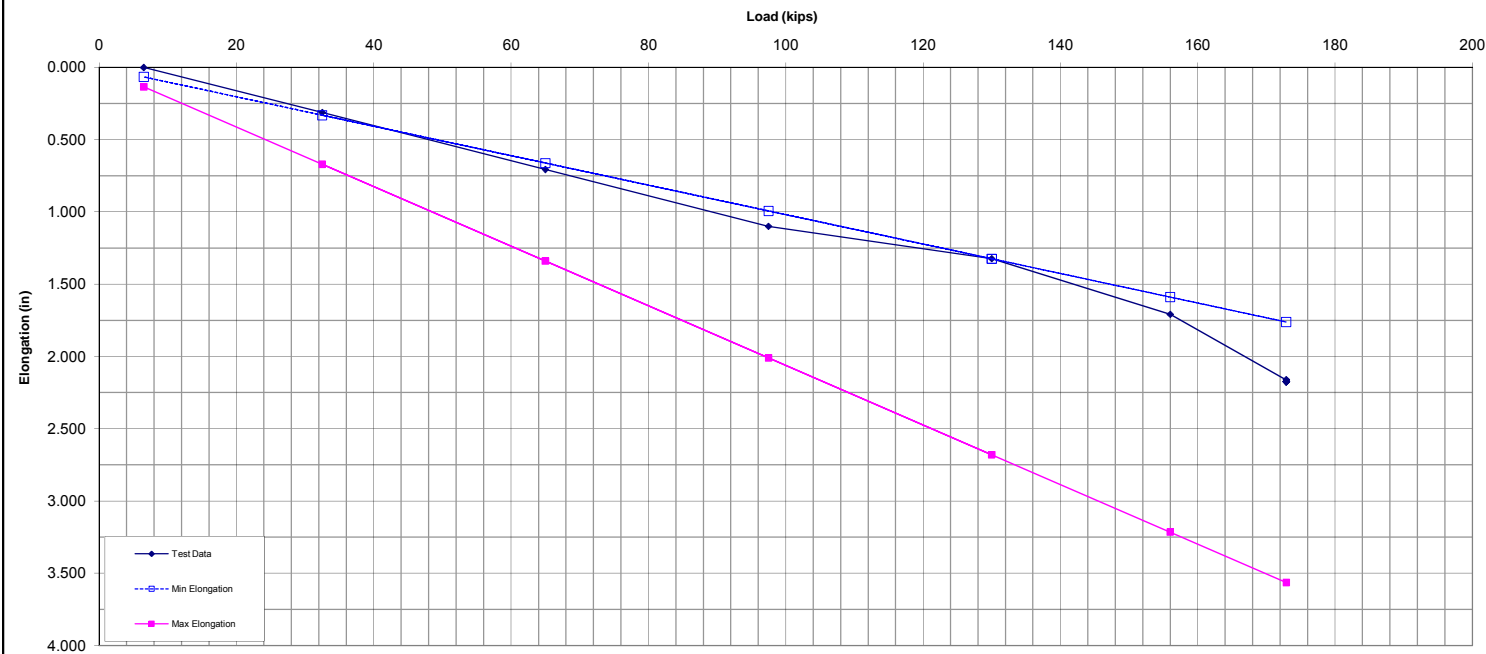


ANCHOR PROOF TEST FIELD DATA

Anchor No: **TB-25** DTL (kips): **130**

| | | | | | | | | | | | | | |
|---------------------|-----------------------------|-------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 12/9/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 1/3/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.311 | Installation Angle | | | 45 | Degrees |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.706 | Bond Length | | | 35 | FT. |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.100 | Unbonded Length | | | 20 | FT. |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.323 | Jacking Length | | | 5 | FT. |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 1.709 | Max Jacking Load | | 187.0 kips | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 2.162 | Test load | | 172.9 kips | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 2.175 | 80% Jack Selected | | 120.0 tons | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 2.175 | Test Load 133% | | 86.5 tons | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 2.175 | CREEP TEST RESULTS: | | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 2.175 | Notes: | | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 2.175 | | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 2.175 | | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 2.175 | Creep 1 -10 min.(≤0.04"): | | 0.000 | | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.761 IN. | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.565 IN. | | |
| | Lock Off (100%) | 130.0 | | 4500 | N/A | N/A | | | | | | | |

ANCHOR PROOF TEST FIELD DATA

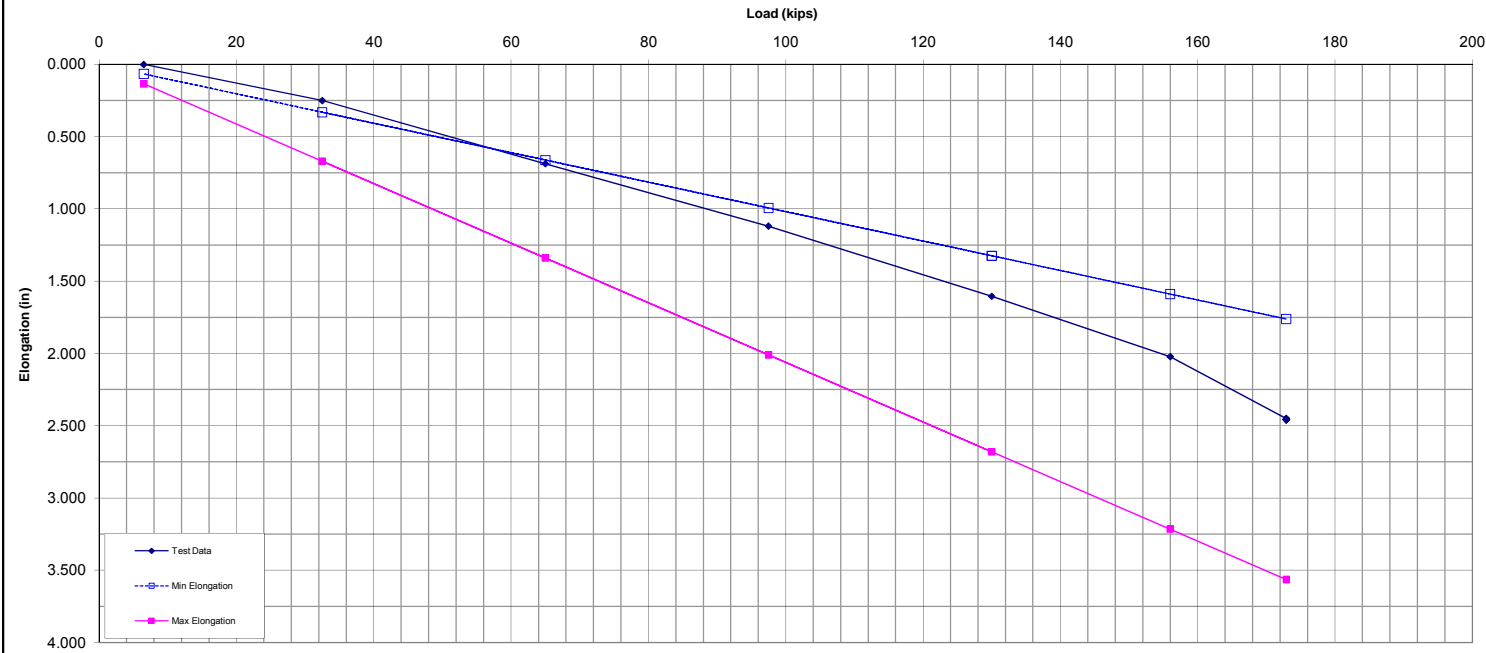


ANCHOR PROOF TEST FIELD DATA

Anchor No: **TB-26** DTL (kips): **130**

| | | | | | | | | | | | | | |
|---------------------|-----------------------------|-------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 12/8/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 1/3/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.250 | Installation Angle | | | 45 | Degrees |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.687 | Bond Length | | | 35 | FT. |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.119 | Unbonded Length | | | 20 | FT. |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.605 | Jacking Length | | | 5 | FT. |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.023 | Max Jacking Load | | 187.0 kips | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 2.450 | Test load | | 172.9 kips | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 2.459 | 80% Jack Selected | | 120.0 tons | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 2.459 | Test Load 133% | | 86.5 tons | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 2.459 | CREEP TEST RESULTS: | | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 2.459 | Notes: | | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 2.459 | | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 2.459 | | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 2.459 | Creep 1 -10 min.(≤0.04"): | | 0.000 | | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.761 IN. | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.565 IN. | | |
| | Lock Off (100%) | 130.0 | | 4500 | N/A | N/A | | | | | | | |

ANCHOR PROOF TEST FIELD DATA

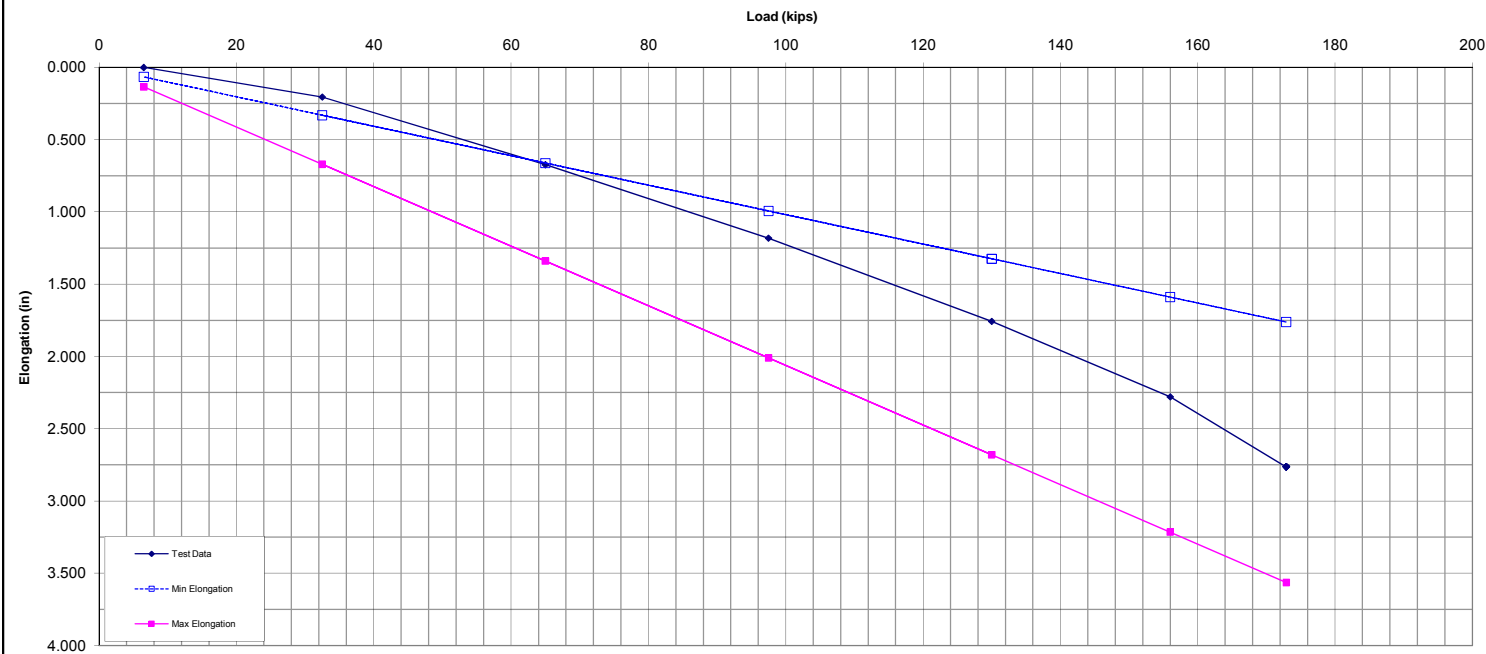


ANCHOR PROOF TEST FIELD DATA

Anchor No: **TB-27** DTL (kips): **130**

| | | | | | | | | | | | | | | |
|---------------------|-----------------------------|-------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|---------|
| Job No: 71-8492 | | Date Installed: 12/9/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | | |
| Job Name: Honeywell | | Date Tested: 1/3/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | | |
| Reading | | | | | | | | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. | |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.205 | Installation Angle 45 | | | | | Degrees |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.673 | Bond Length 35 | | | | | FT. |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.182 | Unbonded Length 20 | | | | | FT. |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.758 | Jacking Length 5 | | | | | FT. |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.280 | Max Jacking Load 187.0 kips | | | | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 2.764 | Test load 172.9 kips | | | | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 2.764 | 80% Jack Selected 120.0 tons | | | | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 2.764 | Test Load 133% 86.5 tons | | | | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 2.764 | CREEP TEST RESULTS: | | | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 2.764 | Notes: | | | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 2.764 | | | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 2.764 | | | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 2.764 | Creep 1 -10 min.(≤0.04"): 0.000 | | | | | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | Minimum Elongation (@TL) = 1.761 | | | | | IN. |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = 3.565 | | | | | IN. |
| | Lock Off (100%) | 130.0 | | 4400 | N/A | N/A | | | | | | | | |

ANCHOR PROOF TEST FIELD DATA



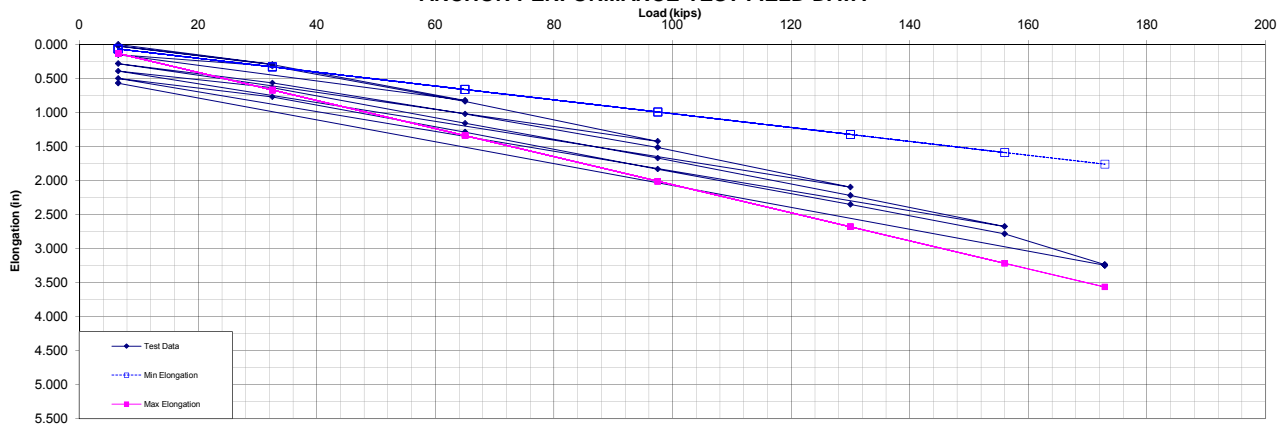
ANCHOR PERFORMANCE TEST FIELD DATA

Moretrench
100 Stickle Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor # **TB-28** DTL (kips): **130**

| | | | | | | | | | | | | | |
|---------------------|--------------------------|--------------------------|------------|--------------------------------------|-----------------------------------|--------------------------------|---------------------------|---------------------|------------------------------------|------------|-----------------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 12/10/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: 6/14/2010 | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 1/3/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.294 | Installation Angle | | | 45 | Degrees |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.024 | Bond Length | | | 35 | FT. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.299 | Unbonded Length | | | 20 | FT. |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.822 | Jacking Length | | | 5 | FT. |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.154 | Max Jacking Load | 187.0 kips | | | |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.322 | Test load | 172.9 kips | | | |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.838 | Notes: | | | | |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.424 | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.283 | | | | | |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.566 | | | | | |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 1.022 | | | | | |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.514 | | | | | |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 2.097 | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.393 | | | | | |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.638 | | | | | |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 1.160 | | | | | |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.671 | | | | | |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 2.220 | | | | | |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.676 | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.500 | | | | | |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.772 | | | | | |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 1.288 | | | | | |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.833 | | | | | |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 2.351 | | | | | |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.784 | | | | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 3.236 | | | | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 3.245 | CREEP TEST RESULTS: | | | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 3.245 | | | | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 3.245 | | | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 3.245 | | | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 3.245 | | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 3.245 | | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 3.245 | Creep 1 -10 min.(≤0.04"): | | | | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.569 | | | | | |
| | Lock Off (100%) | 130.0 | | 4500 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.761 | IN. | |
| | | | | | | | | | Maximum Elongation (@TL) = | | 3.565 | IN. | |

ANCHOR PERFORMANCE TEST FIELD DATA

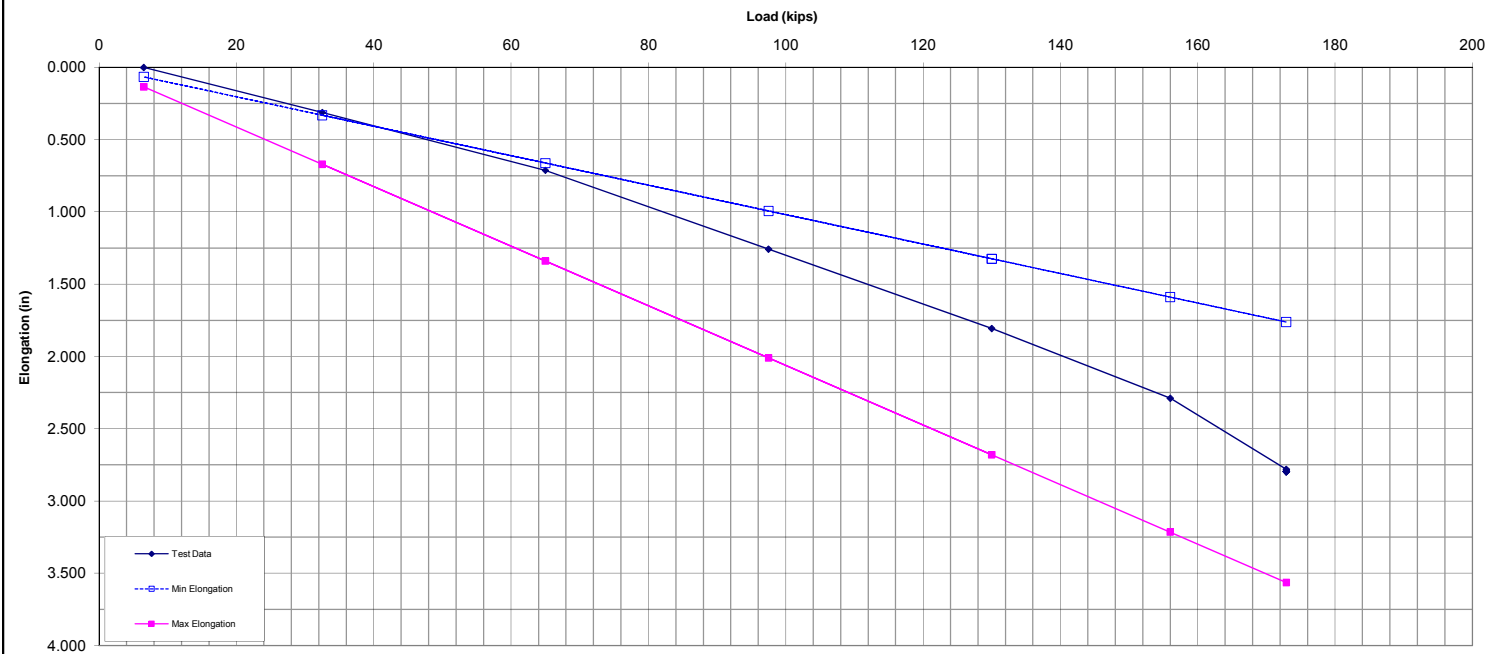


ANCHOR PROOF TEST FIELD DATA

Anchor No: **TB-29** DTL (kips): **130**

| | | | | | | | | | | | | | | |
|---------------------|-----------------------------|--------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|---------|
| Job No: 71-8492 | | Date Installed: 12/13/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | | |
| Job Name: Honeywell | | Date Tested: 1/3/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | | |
| Reading | | | | | | | | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. | |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.311 | Installation Angle 45 | | | | | Degrees |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.712 | Bond Length 35 | | | | | FT. |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.257 | Unbonded Length 20 | | | | | FT. |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.806 | Jacking Length 5 | | | | | FT. |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.289 | Max Jacking Load 187.0 kips | | | | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 2.781 | Test load 172.9 kips | | | | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 2.796 | 80% Jack Selected 120.0 tons | | | | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 2.796 | Test Load 133% 86.5 tons | | | | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 2.796 | CREEP TEST RESULTS: | | | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 2.796 | Notes: | | | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 2.796 | | | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 2.796 | | | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 2.796 | Creep 1 -10 min.(≤0.04"): 0.000 | | | | | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | Minimum Elongation (@TL) = 1.761 | | | | | IN. |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = 3.565 | | | | | IN. |
| | Lock Off (100%) | 130.0 | | 4400 | N/A | N/A | | | | | | | | |

ANCHOR PROOF TEST FIELD DATA

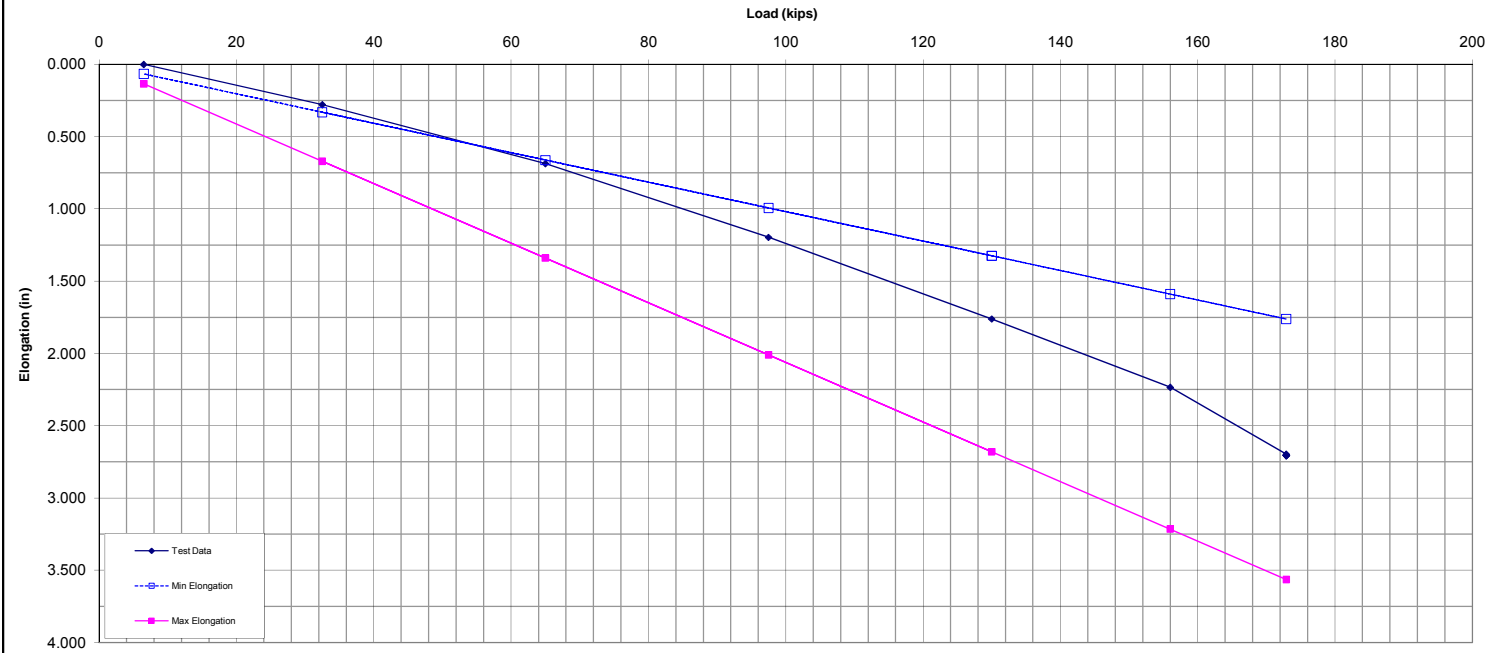


ANCHOR PROOF TEST FIELD DATA

Anchor No: **TB-30** DTL (kips): **130**

| | | | | | | | | | | | | | |
|---------------------|-----------------------------|--------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 12/10/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 1/3/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.278 | Installation Angle | | | 45 | Degrees |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.686 | Bond Length | | | 35 | FT. |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.196 | Unbonded Length | | | 20 | FT. |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.761 | Jacking Length | | | 5 | FT. |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.234 | Max Jacking Load | | 187.0 kips | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 2.697 | Test load | | 172.9 kips | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 2.705 | 80% Jack Selected | | 120.0 tons | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 2.705 | Test Load 133% | | 86.5 tons | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 2.705 | CREEP TEST RESULTS: | | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 2.705 | Notes: | | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 2.705 | | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 2.705 | | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 2.705 | Creep 1 -10 min.(≤0.04"): | | 0.000 | | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.761 IN. | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.565 IN. | | |
| | Lock Off (100%) | 130.0 | | 4400 | N/A | N/A | | | | | | | |

ANCHOR PROOF TEST FIELD DATA

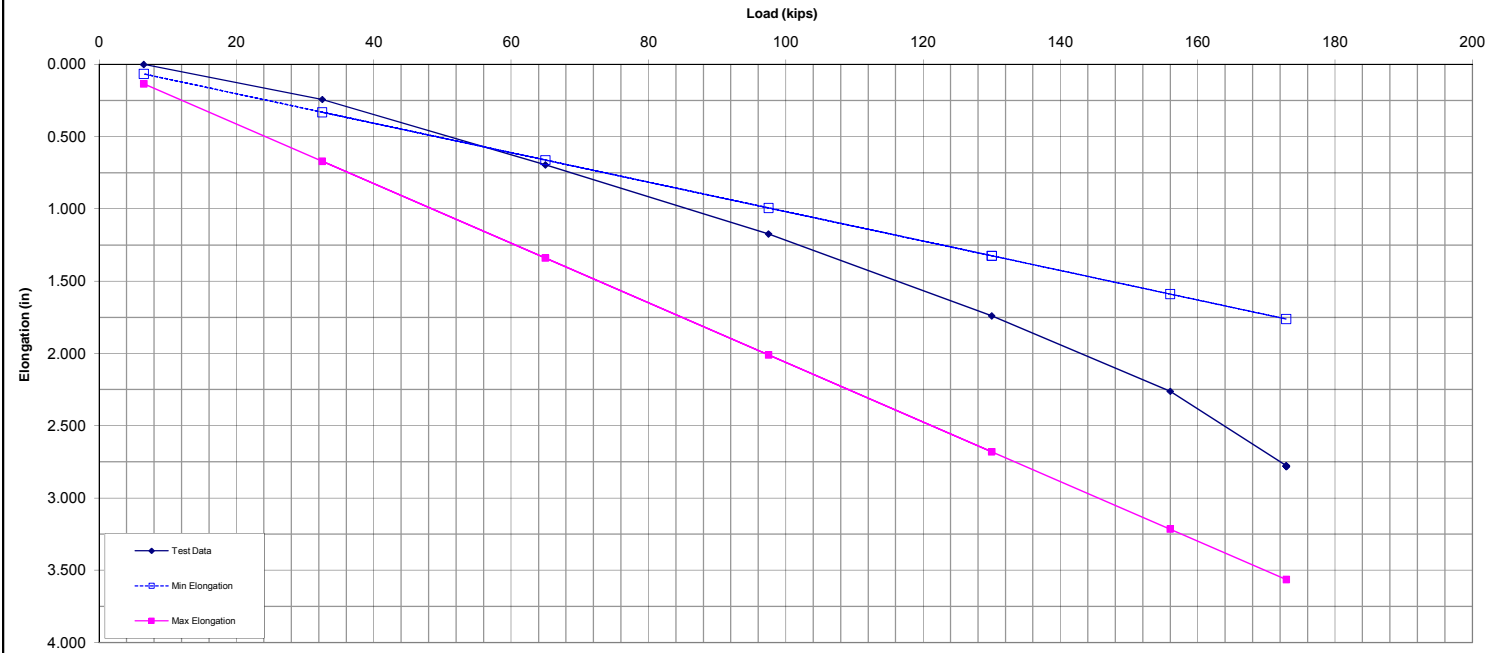


ANCHOR PROOF TEST FIELD DATA

Anchor No: **TB-31** DTL (kips): **130**

| | | | | | | | | | | | | | |
|---------------------|-----------------------------|--------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 12/13/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 1/3/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.242 | Installation Angle | | | 45 | Degrees |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.695 | Bond Length | | | 35 | FT. |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.173 | Unbonded Length | | | 20 | FT. |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.740 | Jacking Length | | | 5 | FT. |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.262 | Max Jacking Load | | 187.0 kips | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 2.777 | Test load | | 172.9 kips | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 2.781 | 80% Jack Selected | | 120.0 tons | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 2.781 | Test Load 133% | | 86.5 tons | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 2.781 | CREEP TEST RESULTS: | | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 2.781 | Notes: | | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 2.781 | | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 2.781 | | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 2.781 | Creep 1 -10 min.(≤0.04"): | | 0.000 | | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.761 IN. | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.565 IN. | | |
| | Lock Off (100%) | 130.0 | | 4400 | N/A | N/A | | | | | | | |

ANCHOR PROOF TEST FIELD DATA

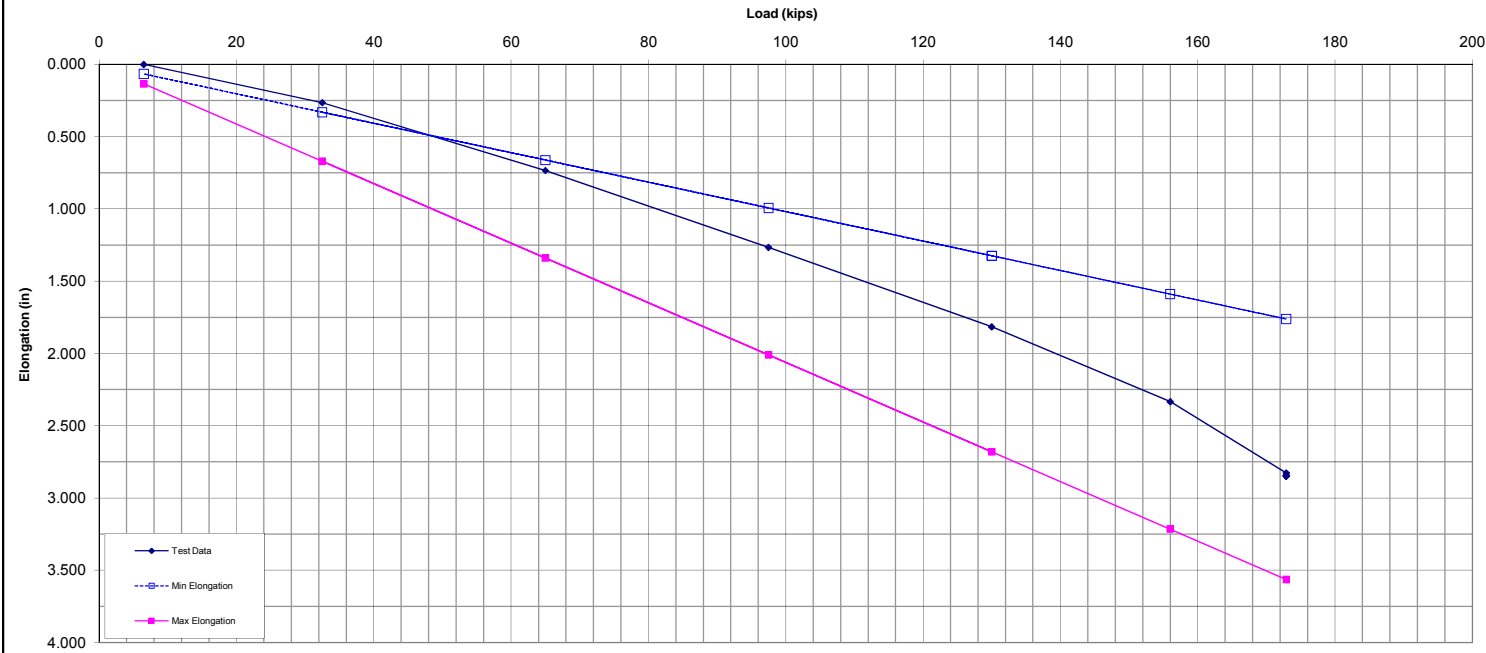


ANCHOR PROOF TEST FIELD DATA

Anchor No: **TB-32** DTL (kips): **130**

| | | | | | | | | | | | | | |
|---------------------|-----------------------------|--------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 12/10/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 1/3/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.264 | Installation Angle | | | 45 | Degrees |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.734 | Bond Length | | | 35 | FT. |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.266 | Unbonded Length | | | 20 | FT. |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.816 | Jacking Length | | | 5 | FT. |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.334 | Max Jacking Load | | 187.0 kips | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 2.826 | Test load | | 172.9 kips | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 2.847 | 80% Jack Selected | | 120.0 tons | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 2.847 | Test Load 133% | | 86.5 tons | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 2.847 | CREEP TEST RESULTS: | | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 2.847 | Notes: | | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 2.847 | | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 2.847 | | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 2.847 | Creep 1 -10 min.(≤0.04"): | | 0.000 | | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.761 IN. | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.565 IN. | | |
| | Lock Off (100%) | 130.0 | | 4400 | N/A | N/A | | | | | | | |

ANCHOR PROOF TEST FIELD DATA



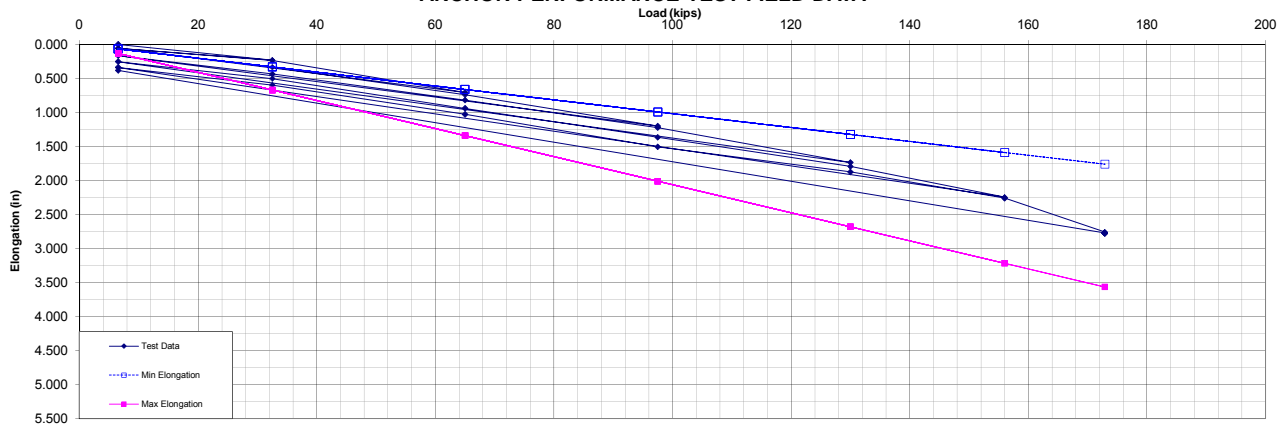
ANCHOR PERFORMANCE TEST FIELD DATA

Moretrench
100 Stickle Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor # **TB-33** DTL (kips): **130**

| | | | | | | | | | | | | | |
|---------------------|--------------------------|--------------------------|------------|--------------------------------------|-----------------------------------|--------------------------------|---------------------------|-------------------------|------------------------------------|-------------------|-----------|------|---------|
| Job No: 71-8492 | | Date Installed: 12/13/10 | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | | |
| Job Name: Honeywell | | Date Tested: 1/3/11 | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.233 | Installation Angle | | | 45 | Degrees |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.060 | Bond Length | | | 35 | FT. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.237 | Unbonded Length | | | 20 | FT. |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.706 | Jacking Length | | | 5 | FT. |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.060 | Max Jacking Load | 187.0 kips | | | |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.336 | Test load | 172.9 kips | | | |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.739 | Notes: | | | | |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.199 | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.164 | | | | | |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.436 | | | | | |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.819 | | | | | |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.222 | | | | | |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.734 | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.253 | | | | | |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.504 | | | | | |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.940 | | | | | |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.365 | | | | | |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.793 | | | | | |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.246 | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.338 | | | | | |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.598 | | | | | |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 1.028 | | | | | |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.504 | | | | | |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.874 | | | | | |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.259 | | | | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 2.758 | | | | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 2.771 | CREEP TEST RESULTS: | | | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 2.771 | | | | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 2.771 | | | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 2.771 | | | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 2.771 | | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 2.771 | | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 2.771 | Creep 1 -10 min.(≤0.04"): | | | | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.384 | Minimum Elongation (@TL) = | | 1.761 | IN. | |
| | Lock Off (100%) | 130.0 | | 4500 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.565 | IN. | |

ANCHOR PERFORMANCE TEST FIELD DATA

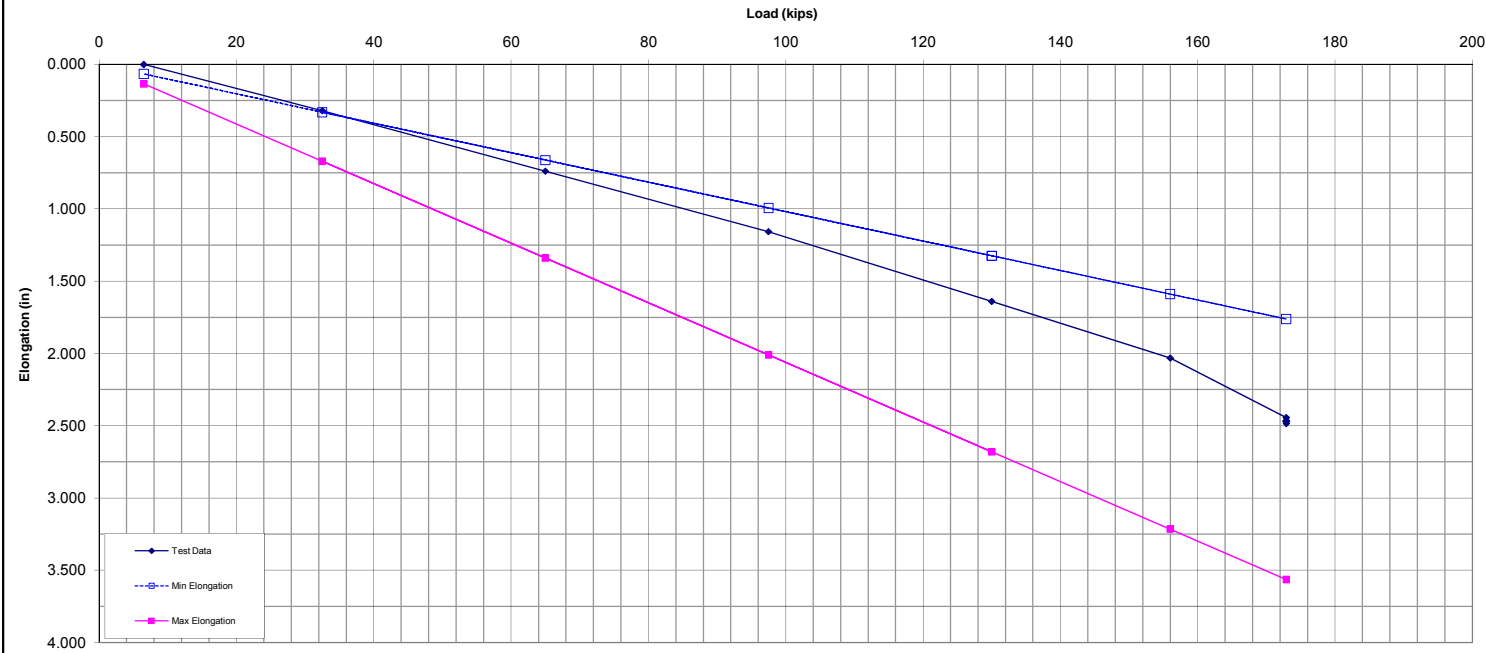


ANCHOR PROOF TEST FIELD DATA

Anchor No: **TB-34** DTL (kips): **130**

| | | | | | | | | | | | | | |
|---------------------|-----------------------------|--------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|---|-----|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 12/14/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 1/3/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 32.5 | | 1175 | N/A | N/A | | 0.320 | Installation Angle | | | 45 | Degrees |
| | 50% | 65.0 | | 2250 | N/A | N/A | | 0.738 | Bond Length | | | 35 | FT. |
| | 75% | 97.5 | | 3325 | N/A | N/A | | 1.157 | Unbonded Length | | | 20 | FT. |
| | 100% | 130.0 | | 4400 | N/A | N/A | | 1.640 | Jacking Length | | | 5 | FT. |
| | 120% | 156.0 | | 5250 | N/A | N/A | | 2.032 | Max Jacking Load | | 187.0 kips | | |
| | 133% | 172.9 | 0 min | 5825 | N/A | N/A | | 2.444 | Test load | | 172.9 kips | | |
| | 133% | 172.9 | 1 min | 5825 | N/A | N/A | | 2.469 | 80% Jack Selected | | 120.0 tons | | |
| | 133% | 172.9 | 2 min | 5825 | N/A | N/A | | 2.469 | Test Load 133% | | 86.5 tons | | |
| | 133% | 172.9 | 3 min | 5825 | N/A | N/A | | 2.469 | CREEP TEST RESULTS: | | | | |
| | 133% | 172.9 | 4 min | 5825 | N/A | N/A | | 2.469 | Notes: Lock in Sheeting Wall Popped at 8 Minutes into creep hold. | | | | |
| | 133% | 172.9 | 5 min | 5825 | N/A | N/A | | 2.469 | | | | | |
| | 133% | 172.9 | 6 min | 5825 | N/A | N/A | | 2.469 | | | | | |
| | 133% | 172.9 | 10 min | 5825 | N/A | N/A | | 2.485 | Creep 1 -10 min.(≤0.04"): | | | 0.016 | |
| | 133% | 172.9 | 15 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 20 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 25 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 30 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 40 min | 5825 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 172.9 | 45 min | 5825 | N/A | N/A | | | | | | | |
| | 133% | 172.9 | 50 min | 5825 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 172.9 | 60 min | 5825 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.761 IN. | | |
| | AL (5%) | 6.5 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.565 IN. | | |
| | Lock Off (100%) | 130.0 | | 4400 | N/A | N/A | | | | | | | |

ANCHOR PROOF TEST FIELD DATA



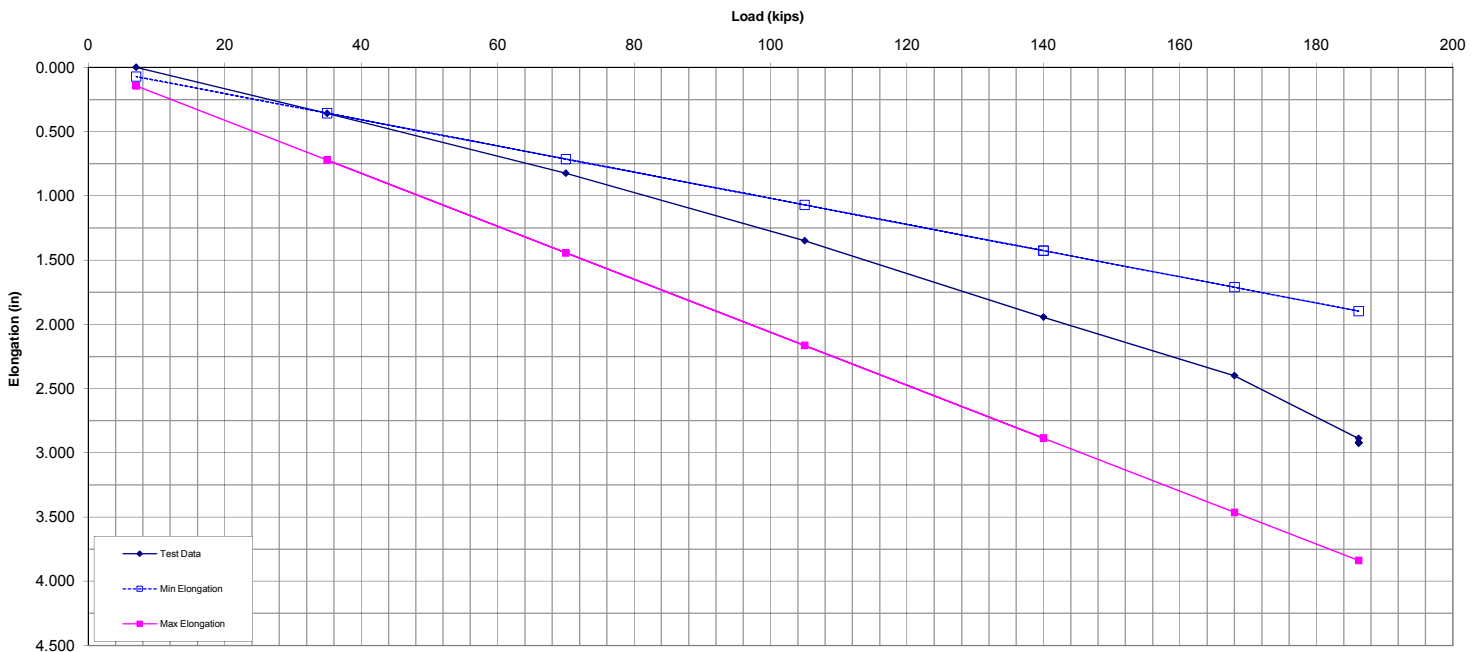
ANCHOR PROOF TEST FIELD DATA

Moretrench
100 Stickie Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor No: TB-35 **DTL (kips):** 140

| | | | | | | | | | | | | | | |
|---------------------|-----------------------------|--------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|---------|
| Job No: 71-8492 | | Date Installed: 12/14/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | | |
| Job Name: Honeywell | | Date Tested: 1/3/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | | |
| Reading | | | | | | | | | | | | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. | |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.358 | Installation Angle 30 | | | | | Degrees |
| | 50% | 70.0 | | 2425 | N/A | N/A | | 0.824 | Bond Length 35 | | | | | FT. |
| | 75% | 105.0 | | 3575 | N/A | N/A | | 1.350 | Unbonded Length 20 | | | | | FT. |
| | 100% | 140.0 | | 4725 | N/A | N/A | | 1.944 | Jacking Length 5 | | | | | FT. |
| | 120% | 168.0 | | 5650 | N/A | N/A | | 2.400 | Max Jacking Load 187.0 kips | | | | | |
| | 133% | 186.2 | 0 min | 6250 | N/A | N/A | | 2.888 | Test load 186.2 kips | | | | | |
| | 133% | 186.2 | 1 min | 6250 | N/A | N/A | | 2.922 | 80% Jack Selected 120.0 tons | | | | | |
| | 133% | 186.2 | 2 min | 6250 | N/A | N/A | | 2.922 | Test Load 133% 93.1 tons | | | | | |
| | 133% | 186.2 | 3 min | 6250 | N/A | N/A | | 2.922 | CREEP TEST RESULTS: | | | | | |
| | 133% | 186.2 | 4 min | 6250 | N/A | N/A | | 2.922 | Notes: | | | | | |
| | 133% | 186.2 | 5 min | 6250 | N/A | N/A | | 2.922 | | | | | | |
| | 133% | 186.2 | 6 min | 6250 | N/A | N/A | | 2.922 | | | | | | |
| | 133% | 186.2 | 10 min | 6250 | N/A | N/A | | 2.922 | Creep 1 -10 min.(≤0.04"): | | | | | 0.000 |
| | 133% | 186.2 | 15 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 20 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 25 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 30 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 40 min | 6250 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | | |
| | 133% | 186.2 | 45 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 50 min | 6250 | N/A | N/A | | | PTI Elongation Limits: | | | | | |
| | 133% | 186.2 | 60 min | 6250 | N/A | N/A | | | Minimum Elongation (@TL) = 1.897 | | | | | IN. |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = 3.839 | | | | | IN. |
| | Lock Off (100%) | 140.0 | | 4725 | N/A | N/A | | | | | | | | |

ANCHOR PROOF TEST FIELD DATA



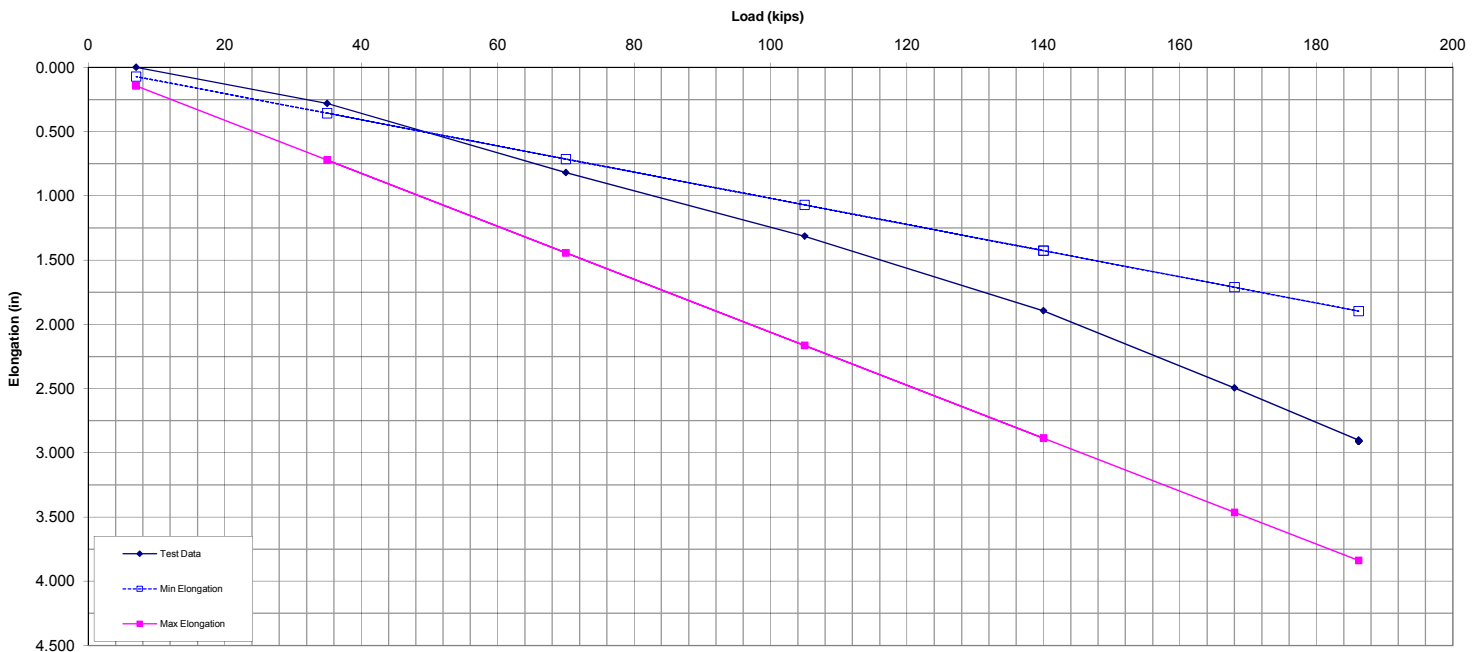
ANCHOR PROOF TEST FIELD DATA

Moretrench
100 Stickie Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor No: TB-36 **DTL (kips):** 140

| | | | | | | | | | | | | | | |
|---------------------|-----------------------------|--------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|---------|
| Job No: 71-8492 | | Date Installed: 12/15/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | | |
| Job Name: Honeywell | | Date Tested: 1/4/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | | |
| Reading | | | | | | | | | | | | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. | |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.281 | Installation Angle 30 | | | | | Degrees |
| | 50% | 70.0 | | 2425 | N/A | N/A | | 0.819 | Bond Length 35 | | | | | FT. |
| | 75% | 105.0 | | 3575 | N/A | N/A | | 1.314 | Unbonded Length 20 | | | | | FT. |
| | 100% | 140.0 | | 4725 | N/A | N/A | | 1.894 | Jacking Length 5 | | | | | FT. |
| | 120% | 168.0 | | 5650 | N/A | N/A | | 2.496 | Max Jacking Load 187.0 kips | | | | | |
| | 133% | 186.2 | 0 min | 6250 | N/A | N/A | | 2.902 | Test load 186.2 kips | | | | | |
| | 133% | 186.2 | 1 min | 6250 | N/A | N/A | | 2.910 | 80% Jack Selected 120.0 tons | | | | | |
| | 133% | 186.2 | 2 min | 6250 | N/A | N/A | | 2.910 | Test Load 133% 93.1 tons | | | | | |
| | 133% | 186.2 | 3 min | 6250 | N/A | N/A | | 2.910 | CREEP TEST RESULTS: | | | | | |
| | 133% | 186.2 | 4 min | 6250 | N/A | N/A | | 2.910 | Notes: | | | | | |
| | 133% | 186.2 | 5 min | 6250 | N/A | N/A | | 2.910 | | | | | | |
| | 133% | 186.2 | 6 min | 6250 | N/A | N/A | | 2.910 | | | | | | |
| | 133% | 186.2 | 10 min | 6250 | N/A | N/A | | 2.910 | Creep 1 -10 min.(≤0.04"): 0.000 | | | | | |
| | 133% | 186.2 | 15 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 20 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 25 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 30 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 40 min | 6250 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | | |
| | 133% | 186.2 | 45 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 50 min | 6250 | N/A | N/A | | | PTI Elongation Limits: | | | | | |
| | 133% | 186.2 | 60 min | 6250 | N/A | N/A | | | Minimum Elongation (@TL) = 1.897 | | | | | IN. |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = 3.839 | | | | | IN. |
| | Lock Off (100%) | 140.0 | | 4725 | N/A | N/A | | | | | | | | |

ANCHOR PROOF TEST FIELD DATA



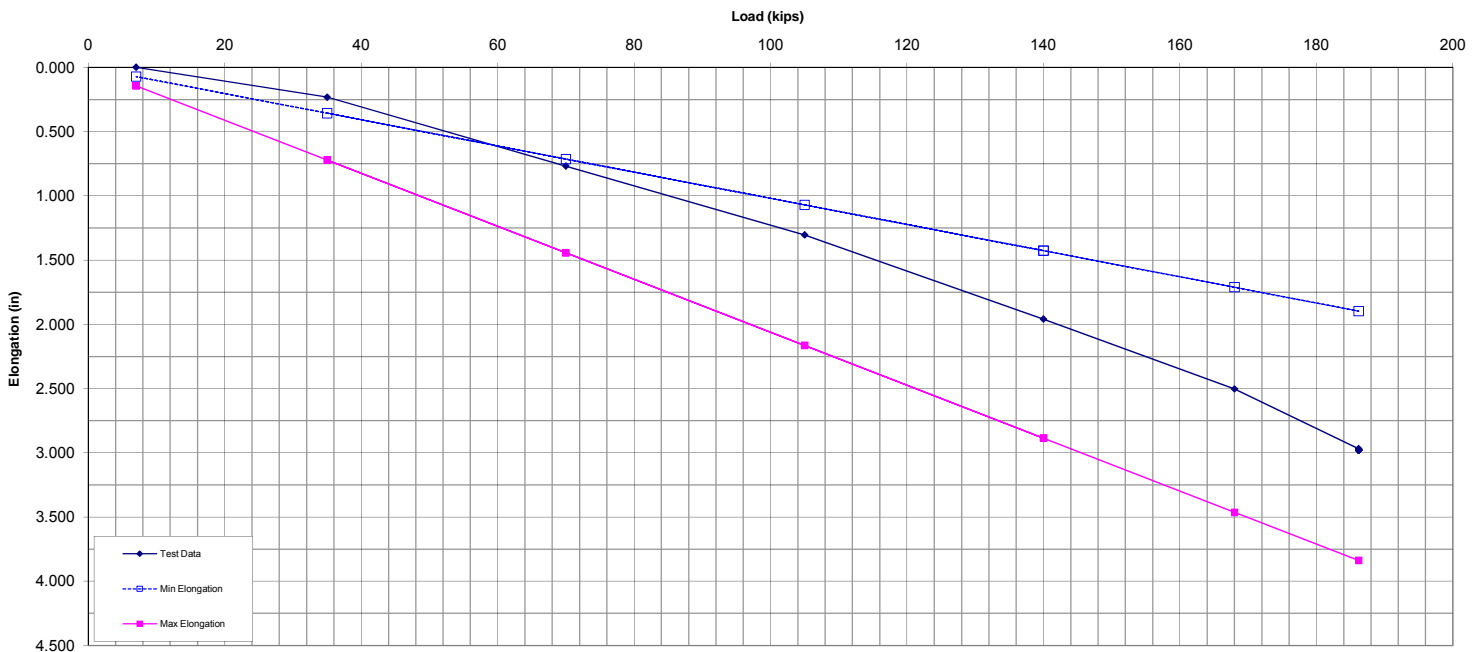
ANCHOR PROOF TEST FIELD DATA

Moretrench
100 Stickie Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor No: TB-37 **DTL (kips):** 140

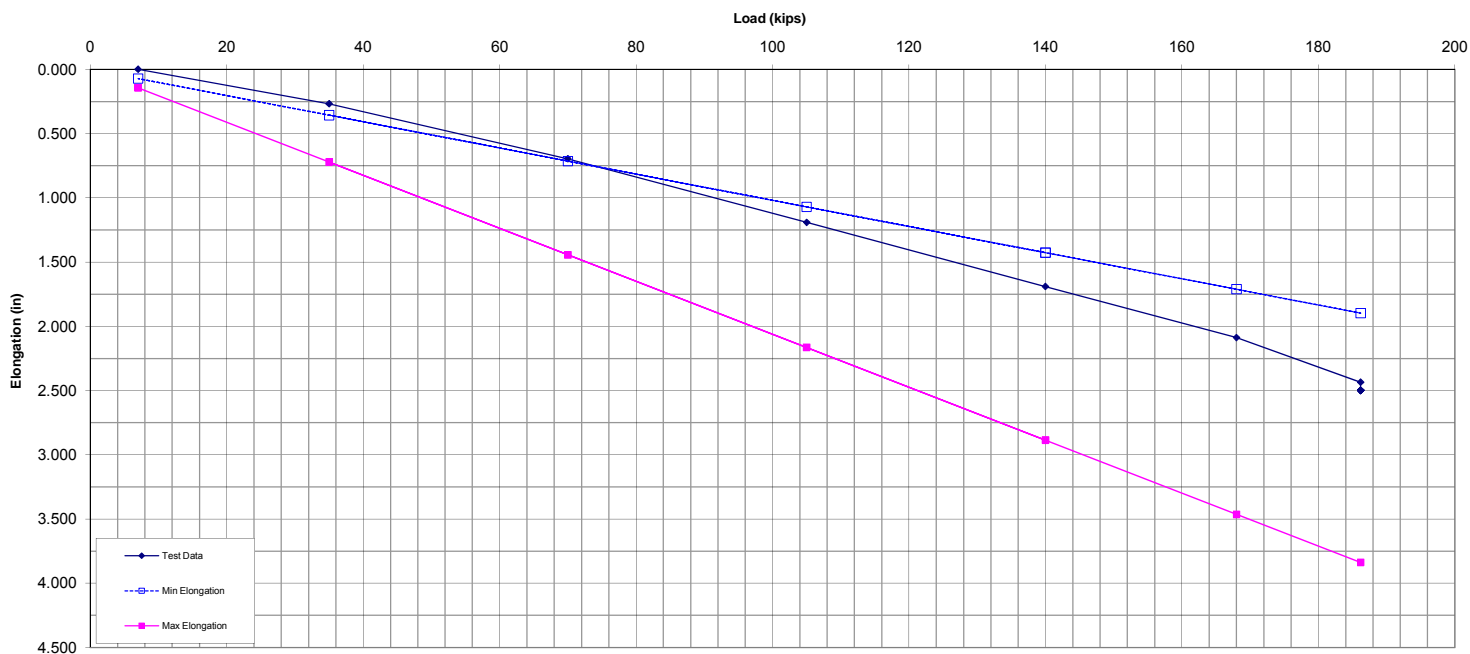
| | | | | | | | | | | | | | | |
|---------------------|-----------------------------|--------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|---------|
| Job No: 71-8492 | | Date Installed: 12/16/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | | |
| Job Name: Honeywell | | Date Tested: 1/4/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | | |
| Reading | | | | | | | | | | | | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. | |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.232 | Installation Angle 30 | | | | | Degrees |
| | 50% | 70.0 | | 2425 | N/A | N/A | | 0.768 | Bond Length 35 | | | | | FT. |
| | 75% | 105.0 | | 3575 | N/A | N/A | | 1.305 | Unbonded Length 20 | | | | | FT. |
| | 100% | 140.0 | | 4725 | N/A | N/A | | 1.960 | Jacking Length 5 | | | | | FT. |
| | 120% | 168.0 | | 5650 | N/A | N/A | | 2.504 | Max Jacking Load 187.0 kips | | | | | |
| | 133% | 186.2 | 0 min | 6250 | N/A | N/A | | 2.969 | Test load 186.2 kips | | | | | |
| | 133% | 186.2 | 1 min | 6250 | N/A | N/A | | 2.980 | 80% Jack Selected 120.0 tons | | | | | |
| | 133% | 186.2 | 2 min | 6250 | N/A | N/A | | 2.980 | Test Load 133% 93.1 tons | | | | | |
| | 133% | 186.2 | 3 min | 6250 | N/A | N/A | | 2.980 | CREEP TEST RESULTS: | | | | | |
| | 133% | 186.2 | 4 min | 6250 | N/A | N/A | | 2.980 | Notes: | | | | | |
| | 133% | 186.2 | 5 min | 6250 | N/A | N/A | | 2.980 | | | | | | |
| | 133% | 186.2 | 6 min | 6250 | N/A | N/A | | 2.980 | | | | | | |
| | 133% | 186.2 | 10 min | 6250 | N/A | N/A | | 2.980 | Creep 1 -10 min.(≤0.04"): | | 0.000 | | | |
| | 133% | 186.2 | 15 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 20 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 25 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 30 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 40 min | 6250 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | | |
| | 133% | 186.2 | 45 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 50 min | 6250 | N/A | N/A | | | PTI Elongation Limits: | | | | | |
| | 133% | 186.2 | 60 min | 6250 | N/A | N/A | | | Minimum Elongation (@TL) = 1.897 | | | | | IN. |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = 3.839 | | | | | IN. |
| | Lock Off (100%) | 140.0 | | 4725 | N/A | N/A | | | | | | | | |

ANCHOR PROOF TEST FIELD DATA



Anchor No: **TB-38** DTL (kips): **140**

ANCHOR PROOF TEST FIELD DATA



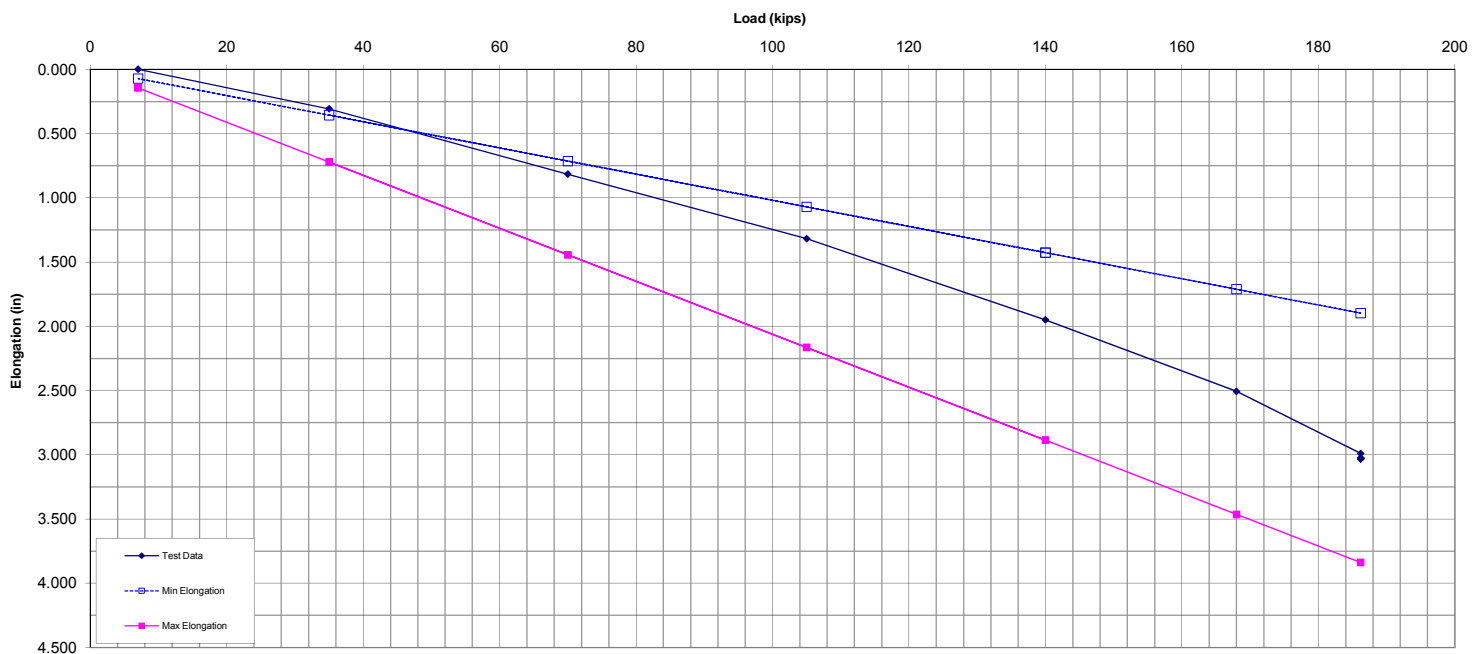
ANCHOR PROOF TEST FIELD DATA

Moretrench
100 Stickie Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor No: TB-39 **DTL (kips):** 140

| | | | | | | | | | | | | |
|---------------------|--------------------------|--------------------------|------------|--------------------------------------|-----------------------------------|--------------------------------|---------------------------|---------------------|------------------------------------|-----|-------------------|--------------|
| Job No: 71-8492 | | Date Installed: 12/16/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 |
| Job Name: Honeywell | | Date Tested: 1/4/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A |
| Time of Reading | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 SQ. IN. |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.307 | Installation Angle 30 Degrees | | | |
| | 50% | 70.0 | | 2425 | N/A | N/A | | 0.815 | Bond Length 35 FT. | | | |
| | 75% | 105.0 | | 3575 | N/A | N/A | | 1.318 | Unbonded Length 20 FT. | | | |
| | 100% | 140.0 | | 4725 | N/A | N/A | | 1.949 | Jacking Length 5 FT. | | | |
| | 120% | 168.0 | | 5650 | N/A | N/A | | 2.506 | Max Jacking Load 187.0 kips | | | |
| | 133% | 186.2 | 0 min | 6250 | N/A | N/A | | 2.989 | Test load 186.2 kips | | | |
| | 133% | 186.2 | 1 min | 6250 | N/A | N/A | | 3.025 | 80% Jack Selected 120.0 tons | | | |
| | 133% | 186.2 | 2 min | 6250 | N/A | N/A | | 3.025 | Test Load 133% 93.1 tons | | | |
| | 133% | 186.2 | 3 min | 6250 | N/A | N/A | | 3.025 | CREEP TEST RESULTS: | | | |
| | 133% | 186.2 | 4 min | 6250 | N/A | N/A | | 3.025 | Notes: | | | |
| | 133% | 186.2 | 5 min | 6250 | N/A | N/A | | 3.030 | | | | |
| | 133% | 186.2 | 6 min | 6250 | N/A | N/A | | 3.030 | | | | |
| | 133% | 186.2 | 10 min | 6250 | N/A | N/A | | 3.030 | Creep 1 -10 min.(≤0.04"): | | 0.005 | |
| | 133% | 186.2 | 15 min | 6250 | N/A | N/A | | | | | | |
| | 133% | 186.2 | 20 min | 6250 | N/A | N/A | | | | | | |
| | 133% | 186.2 | 25 min | 6250 | N/A | N/A | | | | | | |
| | 133% | 186.2 | 30 min | 6250 | N/A | N/A | | | | | | |
| | 133% | 186.2 | 40 min | 6250 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | |
| | 133% | 186.2 | 45 min | 6250 | N/A | N/A | | | | | | |
| | 133% | 186.2 | 50 min | 6250 | N/A | N/A | | | PTI Elongation Limits: | | | |
| | 133% | 186.2 | 60 min | 6250 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.897 | IN. |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.839 | IN. |
| | Lock Off (100%) | 140.0 | | 4725 | N/A | N/A | | | | | | |

ANCHOR PROOF TEST FIELD DATA



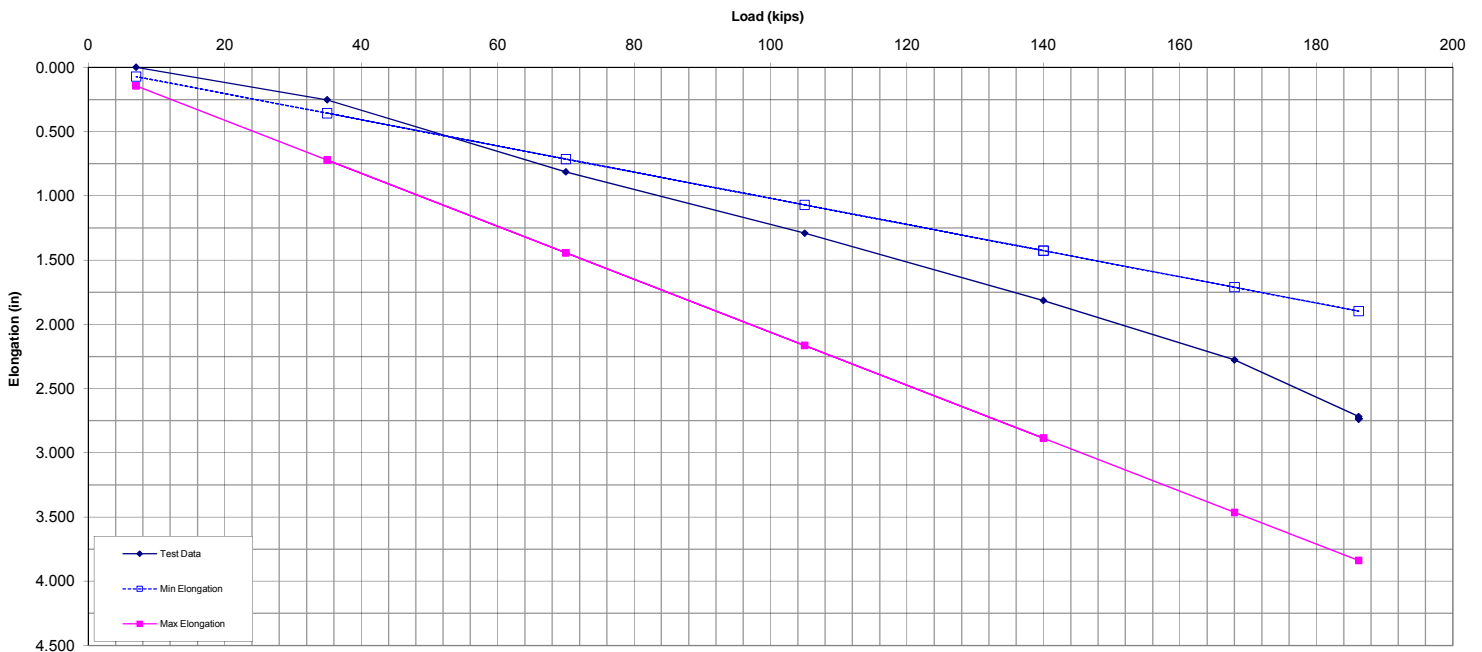
ANCHOR PROOF TEST FIELD DATA

Moretrench
100 Stickie Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor No: TB-40 **DTL (kips):** 140

| | | | | | | | | | | | | | | |
|---------------------|-----------------------------|--------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|---------|
| Job No: 71-8492 | | Date Installed: 12/16/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | | |
| Job Name: Honeywell | | Date Tested: 1/4/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | | |
| Reading | | | | | | | | | | | | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. | |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.252 | Installation Angle 30 | | | | | Degrees |
| | 50% | 70.0 | | 2425 | N/A | N/A | | 0.814 | Bond Length 35 | | | | | FT. |
| | 75% | 105.0 | | 3575 | N/A | N/A | | 1.290 | Unbonded Length 20 | | | | | FT. |
| | 100% | 140.0 | | 4725 | N/A | N/A | | 1.815 | Jacking Length 5 | | | | | FT. |
| | 120% | 168.0 | | 5650 | N/A | N/A | | 2.277 | Max Jacking Load 187.0 kips | | | | | |
| | 133% | 186.2 | 0 min | 6250 | N/A | N/A | | 2.717 | Test load 186.2 kips | | | | | |
| | 133% | 186.2 | 1 min | 6250 | N/A | N/A | | 2.734 | 80% Jack Selected 120.0 tons | | | | | |
| | 133% | 186.2 | 2 min | 6250 | N/A | N/A | | 2.734 | Test Load 133% 93.1 tons | | | | | |
| | 133% | 186.2 | 3 min | 6250 | N/A | N/A | | 2.734 | CREEP TEST RESULTS: | | | | | |
| | 133% | 186.2 | 4 min | 6250 | N/A | N/A | | 2.734 | Notes: | | | | | |
| | 133% | 186.2 | 5 min | 6250 | N/A | N/A | | 2.734 | | | | | | |
| | 133% | 186.2 | 6 min | 6250 | N/A | N/A | | 2.734 | | | | | | |
| | 133% | 186.2 | 10 min | 6250 | N/A | N/A | | 2.734 | Creep 1 -10 min.(≤0.04"): 0.000 | | | | | |
| | 133% | 186.2 | 15 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 20 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 25 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 30 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 40 min | 6250 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | | |
| | 133% | 186.2 | 45 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 50 min | 6250 | N/A | N/A | | | PTI Elongation Limits: | | | | | |
| | 133% | 186.2 | 60 min | 6250 | N/A | N/A | | | Minimum Elongation (@TL) = 1.897 | | | | | IN. |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = 3.839 | | | | | IN. |
| | Lock Off (100%) | 140.0 | | 4725 | N/A | N/A | | | | | | | | |

ANCHOR PROOF TEST FIELD DATA



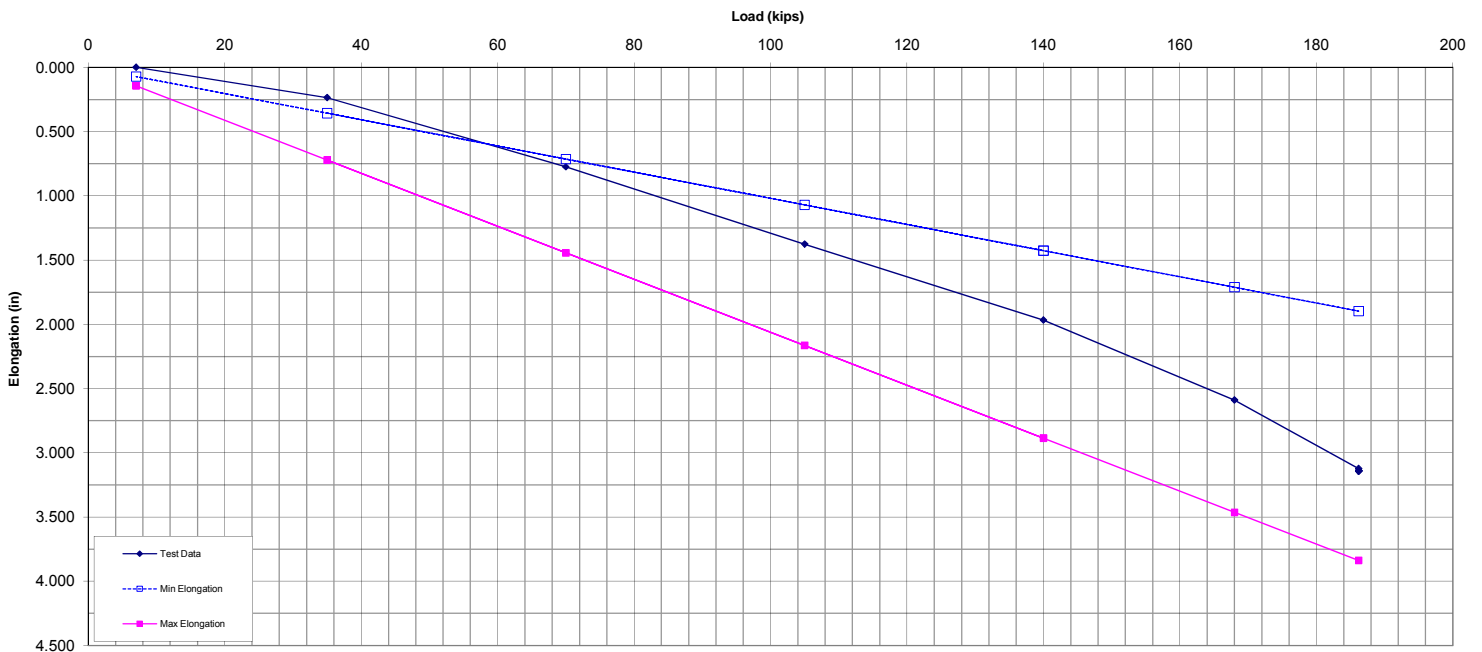
ANCHOR PROOF TEST FIELD DATA

Moretrench
100 Stickie Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor No: **TB-41** DTL (kips): **140**

| | | | | | | | | | | | | | | |
|---------------------|-----------------------------|--------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|-----------|
| Job No: 71-8492 | | Date Installed: 12/17/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | | |
| Job Name: Honeywell | | Date Tested: 1/4/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | | |
| Reading | | | | | | | | | | | | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. | |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.235 | Installation Angle 30 | | | | | Degrees |
| | 50% | 70.0 | | 2425 | N/A | N/A | | 0.775 | Bond Length 35 | | | | | FT. |
| | 75% | 105.0 | | 3575 | N/A | N/A | | 1.376 | Unbonded Length 20 | | | | | FT. |
| | 100% | 140.0 | | 4725 | N/A | N/A | | 1.968 | Jacking Length 5 | | | | | FT. |
| | 120% | 168.0 | | 5650 | N/A | N/A | | 2.590 | Max Jacking Load 187.0 kips | | | | | |
| | 133% | 186.2 | 0 min | 6250 | N/A | N/A | | 3.124 | Test load 186.2 kips | | | | | |
| | 133% | 186.2 | 1 min | 6250 | N/A | N/A | | 3.142 | 80% Jack Selected 120.0 tons | | | | | |
| | 133% | 186.2 | 2 min | 6250 | N/A | N/A | | 3.142 | Test Load 133% 93.1 tons | | | | | |
| | 133% | 186.2 | 3 min | 6250 | N/A | N/A | | 3.142 | CREEP TEST RESULTS: | | | | | |
| | 133% | 186.2 | 4 min | 6250 | N/A | N/A | | 3.142 | Notes: | | | | | |
| | 133% | 186.2 | 5 min | 6250 | N/A | N/A | | 3.142 | | | | | | |
| | 133% | 186.2 | 6 min | 6250 | N/A | N/A | | 3.142 | | | | | | |
| | 133% | 186.2 | 10 min | 6250 | N/A | N/A | | 3.142 | Creep 1 -10 min.(≤0.04"): | | | | | 0.000 |
| | 133% | 186.2 | 15 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 20 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 25 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 30 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 40 min | 6250 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | | |
| | 133% | 186.2 | 45 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 50 min | 6250 | N/A | N/A | | | PTI Elongation Limits: | | | | | |
| | 133% | 186.2 | 60 min | 6250 | N/A | N/A | | | Minimum Elongation (@TL) = | | | | | 1.897 IN. |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | | | | 3.839 IN. |
| | Lock Off (100%) | 140.0 | | 4725 | N/A | N/A | | | | | | | | |

ANCHOR PROOF TEST FIELD DATA



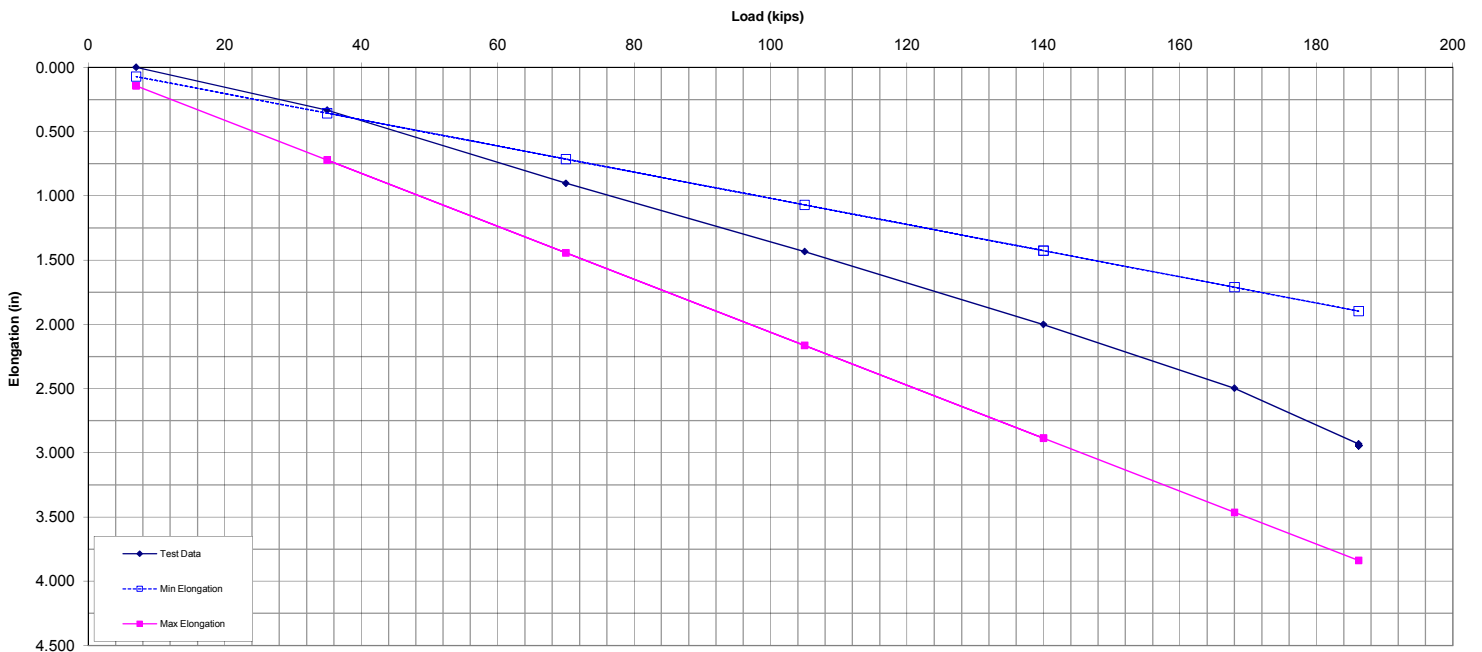
ANCHOR PROOF TEST FIELD DATA

Moretrench
100 Stickie Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor No: TB-42 **DTL (kips):** 140

| | | | | | | | | | | | | | |
|---------------------|-----------------------------|--------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 12/20/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 1/4/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.333 | Installation Angle 30 Degrees | | | | |
| | 50% | 70.0 | | 2425 | N/A | N/A | | 0.902 | Bond Length 35 FT. | | | | |
| | 75% | 105.0 | | 3575 | N/A | N/A | | 1.434 | Unbonded Length 20 FT. | | | | |
| | 100% | 140.0 | | 4725 | N/A | N/A | | 2.001 | Jacking Length 5 FT. | | | | |
| | 120% | 168.0 | | 5650 | N/A | N/A | | 2.498 | Max Jacking Load 187.0 kips | | | | |
| | 133% | 186.2 | 0 min | 6250 | N/A | N/A | | 2.931 | Test load 186.2 kips | | | | |
| | 133% | 186.2 | 1 min | 6250 | N/A | N/A | | 2.944 | 80% Jack Selected 120.0 tons | | | | |
| | 133% | 186.2 | 2 min | 6250 | N/A | N/A | | 2.944 | Test Load 133% 93.1 tons | | | | |
| | 133% | 186.2 | 3 min | 6250 | N/A | N/A | | 2.944 | CREEP TEST RESULTS: | | | | |
| | 133% | 186.2 | 4 min | 6250 | N/A | N/A | | 2.944 | Notes: | | | | |
| | 133% | 186.2 | 5 min | 6250 | N/A | N/A | | 2.944 | | | | | |
| | 133% | 186.2 | 6 min | 6250 | N/A | N/A | | 2.944 | | | | | |
| | 133% | 186.2 | 10 min | 6250 | N/A | N/A | | 2.944 | Creep 1 -10 min.(≤0.04"): | | 0.000 | | |
| | 133% | 186.2 | 15 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 20 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 25 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 30 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 40 min | 6250 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 186.2 | 45 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 50 min | 6250 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 186.2 | 60 min | 6250 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.897 IN. | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.839 IN. | | |
| | Lock Off (100%) | 140.0 | | 4725 | N/A | N/A | | | | | | | |

ANCHOR PROOF TEST FIELD DATA



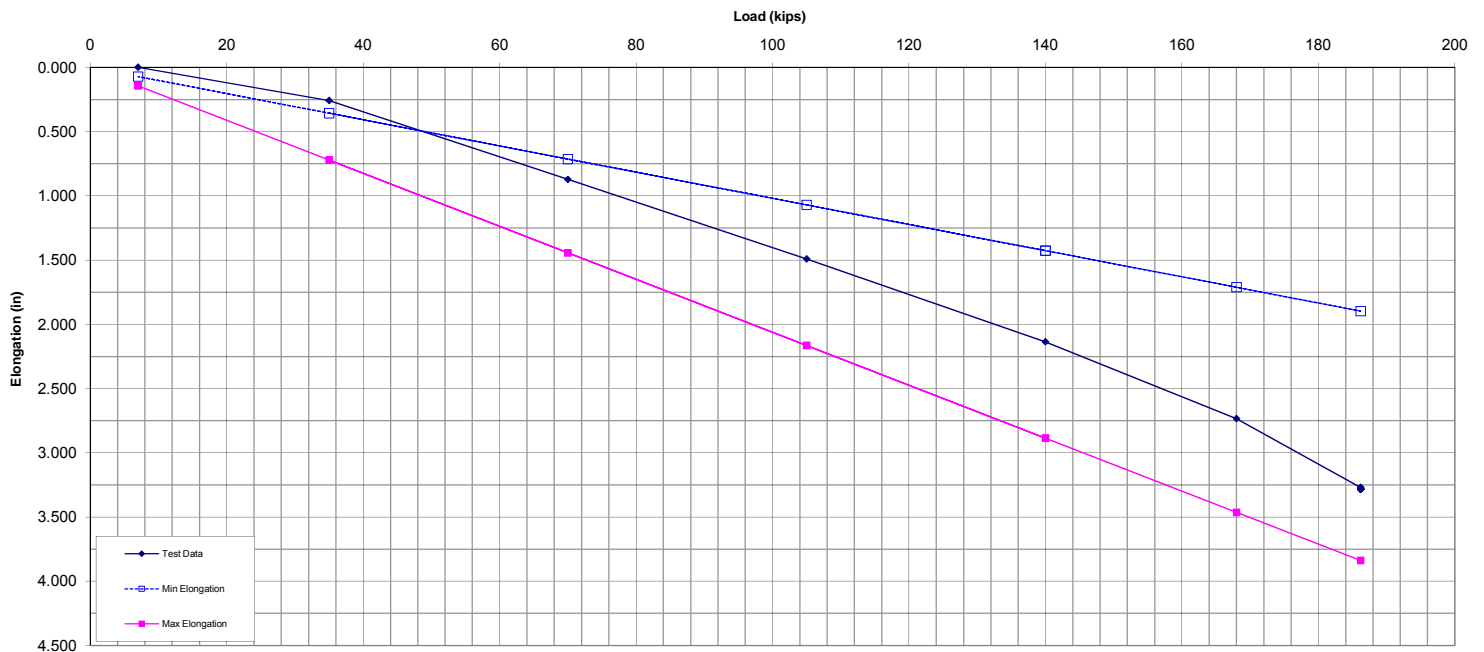
ANCHOR PROOF TEST FIELD DATA

Moretrench
100 Stickie Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor No: **TB-43** DTL (kips): **140**

| | | | | | | | | | | | | | | |
|---------------------|-----------------------------|--------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|---------|
| Job No: 71-8492 | | Date Installed: 12/20/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | | |
| Job Name: Honeywell | | Date Tested: 1/4/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | | |
| Reading | | | | | | | | | | | | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. | |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.259 | Installation Angle 30 | | | | | Degrees |
| | 50% | 70.0 | | 2425 | N/A | N/A | | 0.872 | Bond Length 35 | | | | | FT. |
| | 75% | 105.0 | | 3575 | N/A | N/A | | 1.492 | Unbonded Length 20 | | | | | FT. |
| | 100% | 140.0 | | 4725 | N/A | N/A | | 2.137 | Jacking Length 5 | | | | | FT. |
| | 120% | 168.0 | | 5650 | N/A | N/A | | 2.734 | Max Jacking Load 187.0 kips | | | | | |
| | 133% | 186.2 | 0 min | 6250 | N/A | N/A | | 3.269 | Test load 186.2 kips | | | | | |
| | 133% | 186.2 | 1 min | 6250 | N/A | N/A | | 3.283 | 80% Jack Selected 120.0 tons | | | | | |
| | 133% | 186.2 | 2 min | 6250 | N/A | N/A | | 3.283 | Test Load 133% 93.1 tons | | | | | |
| | 133% | 186.2 | 3 min | 6250 | N/A | N/A | | 3.283 | CREEP TEST RESULTS: | | | | | |
| | 133% | 186.2 | 4 min | 6250 | N/A | N/A | | 3.283 | Notes: | | | | | |
| | 133% | 186.2 | 5 min | 6250 | N/A | N/A | | 3.283 | | | | | | |
| | 133% | 186.2 | 6 min | 6250 | N/A | N/A | | 3.283 | | | | | | |
| | 133% | 186.2 | 10 min | 6250 | N/A | N/A | | 3.283 | Creep 1 -10 min.(≤0.04"): 0.000 | | | | | |
| | 133% | 186.2 | 15 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 20 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 25 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 30 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 40 min | 6250 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | | |
| | 133% | 186.2 | 45 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 50 min | 6250 | N/A | N/A | | | PTI Elongation Limits: | | | | | |
| | 133% | 186.2 | 60 min | 6250 | N/A | N/A | | | Minimum Elongation (@TL) = 1.897 | | | | | IN. |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = 3.839 | | | | | IN. |
| | Lock Off (100%) | 140.0 | | 4725 | N/A | N/A | | | | | | | | |

ANCHOR PROOF TEST FIELD DATA



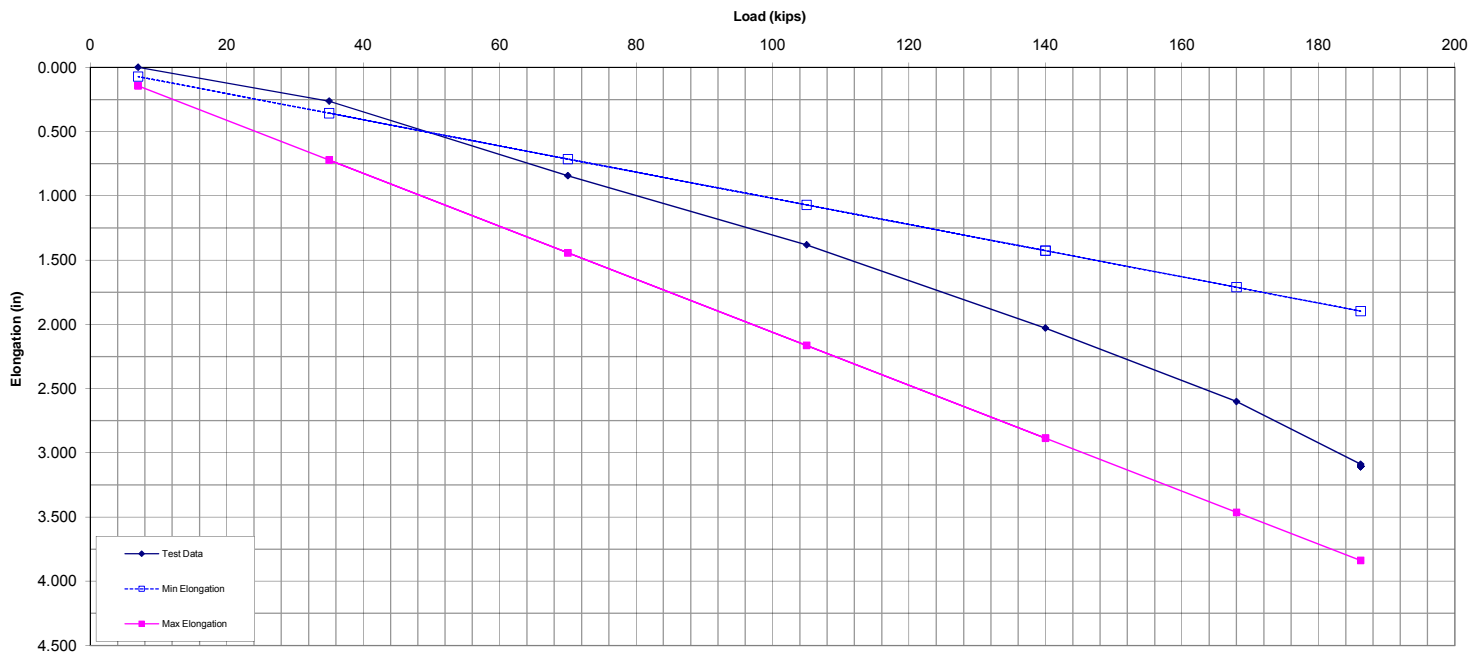
ANCHOR PROOF TEST FIELD DATA

Moretrench
100 Stickie Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor No: TB-44 **DTL (kips):** 140

| | | | | | | | | | | | | | |
|---------------------|-----------------------------|--------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|--------------------------------------|-----|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 12/20/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 1/4/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.262 | Installation Angle 30 Degrees | | | | |
| | 50% | 70.0 | | 2425 | N/A | N/A | | 0.843 | Bond Length 35 FT. | | | | |
| | 75% | 105.0 | | 3575 | N/A | N/A | | 1.381 | Unbonded Length 20 FT. | | | | |
| | 100% | 140.0 | | 4725 | N/A | N/A | | 2.029 | Jacking Length 5 FT. | | | | |
| | 120% | 168.0 | | 5650 | N/A | N/A | | 2.600 | Max Jacking Load 187.0 kips | | | | |
| | 133% | 186.2 | 0 min | 6250 | N/A | N/A | | 3.088 | Test load 186.2 kips | | | | |
| | 133% | 186.2 | 1 min | 6250 | N/A | N/A | | 3.105 | 80% Jack Selected 120.0 tons | | | | |
| | 133% | 186.2 | 2 min | 6250 | N/A | N/A | | 3.105 | Test Load 133% 93.1 tons | | | | |
| | 133% | 186.2 | 3 min | 6250 | N/A | N/A | | 3.105 | CREEP TEST RESULTS: | | | | |
| | 133% | 186.2 | 4 min | 6250 | N/A | N/A | | 3.105 | Notes: | | | | |
| | 133% | 186.2 | 5 min | 6250 | N/A | N/A | | 3.105 | | | | | |
| | 133% | 186.2 | 6 min | 6250 | N/A | N/A | | 3.105 | | | | | |
| | 133% | 186.2 | 10 min | 6250 | N/A | N/A | | 3.105 | Creep 1 -10 min.(≤0.04"): | | 0.000 | | |
| | 133% | 186.2 | 15 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 20 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 25 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 30 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 40 min | 6250 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 186.2 | 45 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 50 min | 6250 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 186.2 | 60 min | 6250 | N/A | N/A | | | Minimum Elongation (@TL) = 1.897 IN. | | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = 3.839 IN. | | | | |
| | Lock Off (100%) | 140.0 | | 4725 | N/A | N/A | | | | | | | |

ANCHOR PROOF TEST FIELD DATA



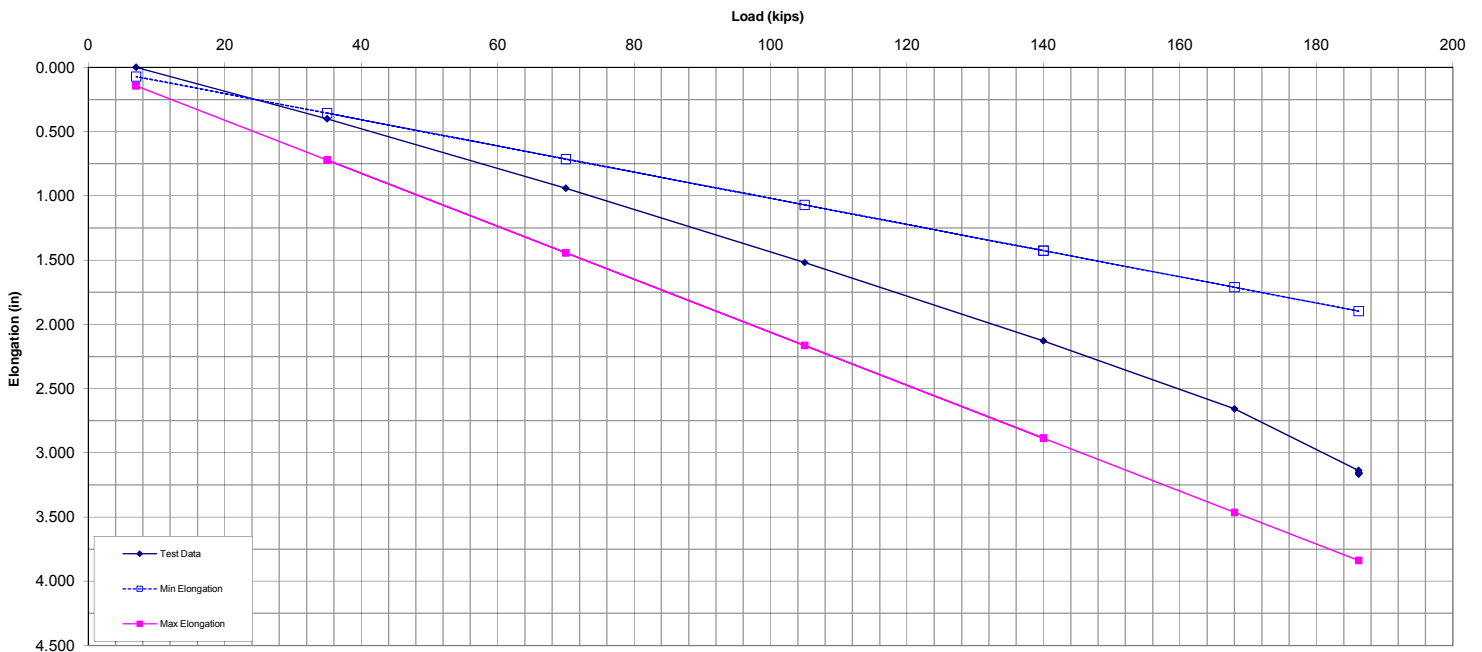
ANCHOR PROOF TEST FIELD DATA

Moretrench
100 Stickie Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor No: TB-45 **DTL (kips):** 140

| | | | | | | | | | | | | | |
|---------------------|-----------------------------|--------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 12/21/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 1/4/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.400 | Installation Angle 30 Degrees | | | | |
| | 50% | 70.0 | | 2425 | N/A | N/A | | 0.941 | Bond Length 35 FT. | | | | |
| | 75% | 105.0 | | 3575 | N/A | N/A | | 1.519 | Unbonded Length 20 FT. | | | | |
| | 100% | 140.0 | | 4725 | N/A | N/A | | 2.128 | Jacking Length 5 FT. | | | | |
| | 120% | 168.0 | | 5650 | N/A | N/A | | 2.657 | Max Jacking Load 187.0 kips | | | | |
| | 133% | 186.2 | 0 min | 6250 | N/A | N/A | | 3.137 | Test load 186.2 kips | | | | |
| | 133% | 186.2 | 1 min | 6250 | N/A | N/A | | 3.157 | 80% Jack Selected 120.0 tons | | | | |
| | 133% | 186.2 | 2 min | 6250 | N/A | N/A | | 3.157 | Test Load 133% 93.1 tons | | | | |
| | 133% | 186.2 | 3 min | 6250 | N/A | N/A | | 3.157 | CREEP TEST RESULTS: | | | | |
| | 133% | 186.2 | 4 min | 6250 | N/A | N/A | | 3.157 | Notes: | | | | |
| | 133% | 186.2 | 5 min | 6250 | N/A | N/A | | 3.157 | | | | | |
| | 133% | 186.2 | 6 min | 6250 | N/A | N/A | | 3.160 | | | | | |
| | 133% | 186.2 | 10 min | 6250 | N/A | N/A | | 3.165 | Creep 1 -10 min.(≤0.04"): | | 0.008 | | |
| | 133% | 186.2 | 15 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 20 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 25 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 30 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 40 min | 6250 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 186.2 | 45 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 50 min | 6250 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 186.2 | 60 min | 6250 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.897 | IN. | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.839 | IN. | |
| | Lock Off (100%) | 140.0 | | 4725 | N/A | N/A | | | | | | | |

ANCHOR PROOF TEST FIELD DATA



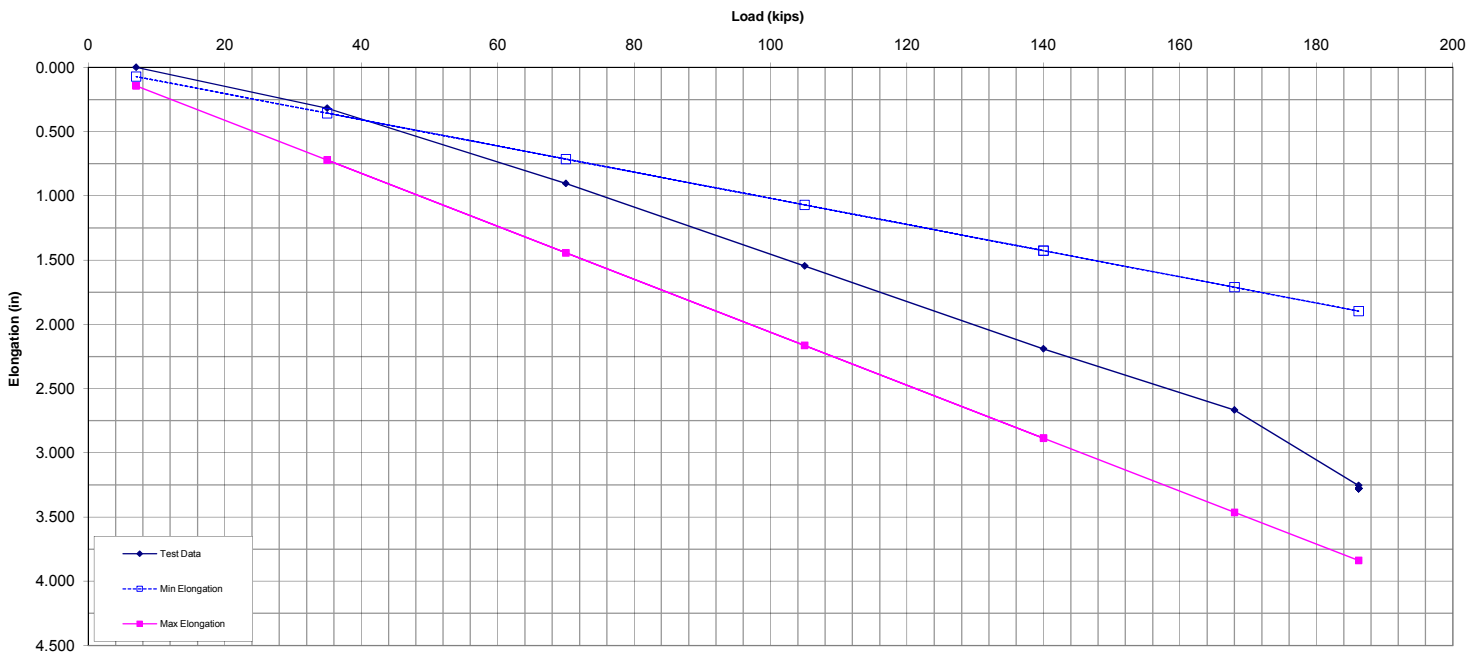
ANCHOR PROOF TEST FIELD DATA

Moretrench
100 Stickie Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor No: TB-46 **DTL (kips):** 140

| | | | | | | | | | | | | | | |
|---------------------|-----------------------------|--------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|---------|
| Job No: 71-8492 | | Date Installed: 12/22/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | | |
| Job Name: Honeywell | | Date Tested: 1/4/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | | |
| Reading | | | | | | | | | | | | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. | |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.317 | Installation Angle 30 | | | | | Degrees |
| | 50% | 70.0 | | 2425 | N/A | N/A | | 0.904 | Bond Length 35 | | | | | FT. |
| | 75% | 105.0 | | 3575 | N/A | N/A | | 1.546 | Unbonded Length 20 | | | | | FT. |
| | 100% | 140.0 | | 4725 | N/A | N/A | | 2.191 | Jacking Length 5 | | | | | FT. |
| | 120% | 168.0 | | 5650 | N/A | N/A | | 2.668 | Max Jacking Load 187.0 kips | | | | | |
| | 133% | 186.2 | 0 min | 6250 | N/A | N/A | | 3.254 | Test load 186.2 kips | | | | | |
| | 133% | 186.2 | 1 min | 6250 | N/A | N/A | | 3.279 | 80% Jack Selected 120.0 tons | | | | | |
| | 133% | 186.2 | 2 min | 6250 | N/A | N/A | | 3.279 | Test Load 133% 93.1 tons | | | | | |
| | 133% | 186.2 | 3 min | 6250 | N/A | N/A | | 3.279 | CREEP TEST RESULTS: | | | | | |
| | 133% | 186.2 | 4 min | 6250 | N/A | N/A | | 3.279 | Notes: | | | | | |
| | 133% | 186.2 | 5 min | 6250 | N/A | N/A | | 3.279 | | | | | | |
| | 133% | 186.2 | 6 min | 6250 | N/A | N/A | | 3.279 | | | | | | |
| | 133% | 186.2 | 10 min | 6250 | N/A | N/A | | 3.279 | Creep 1 -10 min.(≤0.04"): | | 0.000 | | | |
| | 133% | 186.2 | 15 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 20 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 25 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 30 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 40 min | 6250 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | | |
| | 133% | 186.2 | 45 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 50 min | 6250 | N/A | N/A | | | PTI Elongation Limits: | | | | | |
| | 133% | 186.2 | 60 min | 6250 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.897 | IN. | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.839 | IN. | | |
| | Lock Off (100%) | 140.0 | | 4725 | N/A | N/A | | | | | | | | |

ANCHOR PROOF TEST FIELD DATA



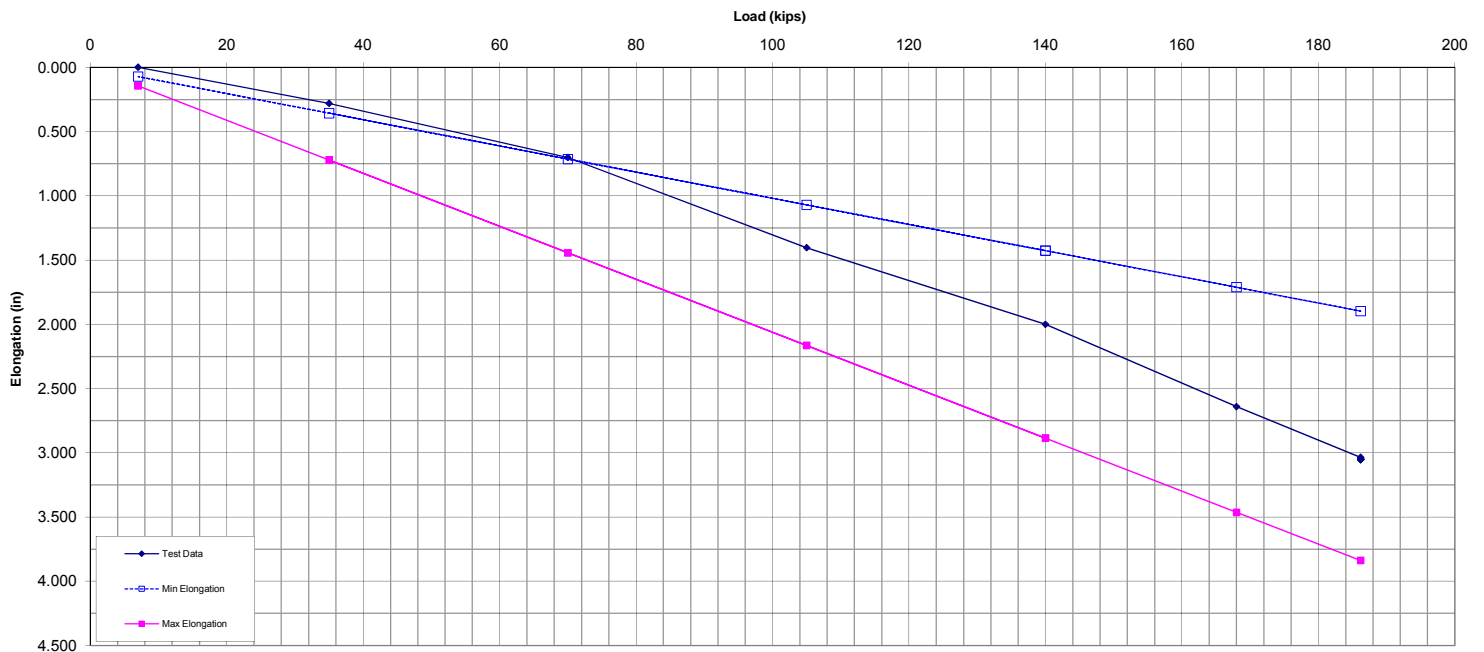
ANCHOR PROOF TEST FIELD DATA

Moretrench
100 Stickie Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor No: TB-47 **DTL (kips):** 140

| | | | | | | | | | | | | |
|---------------------|--------------------------|--------------------------|------------|--------------------------------------|-----------------------------------|--------------------------------|---------------------------|---------------------|------------------------------------|-----|-------------------|--------------|
| Job No: 71-8492 | | Date Installed: 12/21/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 |
| Job Name: Honeywell | | Date Tested: 1/4/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A |
| Time of Reading | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 SQ. IN. |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.281 | Installation Angle | | 30 | Degrees |
| | 50% | 70.0 | | 2425 | N/A | N/A | | 0.702 | Bond Length | | 35 | FT. |
| | 75% | 105.0 | | 3575 | N/A | N/A | | 1.404 | Unbonded Length | | 20 | FT. |
| | 100% | 140.0 | | 4725 | N/A | N/A | | 2.000 | Jacking Length | | 5 | FT. |
| | 120% | 168.0 | | 5650 | N/A | N/A | | 2.640 | Max Jacking Load | | 187.0 kips | |
| | 133% | 186.2 | 0 min | 6250 | N/A | N/A | | 3.035 | Test load | | 186.2 kips | |
| | 133% | 186.2 | 1 min | 6250 | N/A | N/A | | 3.051 | 80% Jack Selected | | 120.0 tons | |
| | 133% | 186.2 | 2 min | 6250 | N/A | N/A | | 3.051 | Test Load 133% | | 93.1 tons | |
| | 133% | 186.2 | 3 min | 6250 | N/A | N/A | | 3.051 | CREEP TEST RESULTS: | | | |
| | 133% | 186.2 | 4 min | 6250 | N/A | N/A | | 3.051 | Notes: | | | |
| | 133% | 186.2 | 5 min | 6250 | N/A | N/A | | 3.051 | | | | |
| | 133% | 186.2 | 6 min | 6250 | N/A | N/A | | 3.051 | | | | |
| | 133% | 186.2 | 10 min | 6250 | N/A | N/A | | 3.051 | Creep 1 -10 min.(≤0.04"): | | 0.000 | |
| | 133% | 186.2 | 15 min | 6250 | N/A | N/A | | | | | | |
| | 133% | 186.2 | 20 min | 6250 | N/A | N/A | | | | | | |
| | 133% | 186.2 | 25 min | 6250 | N/A | N/A | | | | | | |
| | 133% | 186.2 | 30 min | 6250 | N/A | N/A | | | | | | |
| | 133% | 186.2 | 40 min | 6250 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | |
| | 133% | 186.2 | 45 min | 6250 | N/A | N/A | | | | | | |
| | 133% | 186.2 | 50 min | 6250 | N/A | N/A | | | PTI Elongation Limits: | | | |
| | 133% | 186.2 | 60 min | 6250 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.897 | IN. |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.839 | IN. |
| | Lock Off (100%) | 140.0 | | 4725 | N/A | N/A | | | | | | |

ANCHOR PROOF TEST FIELD DATA



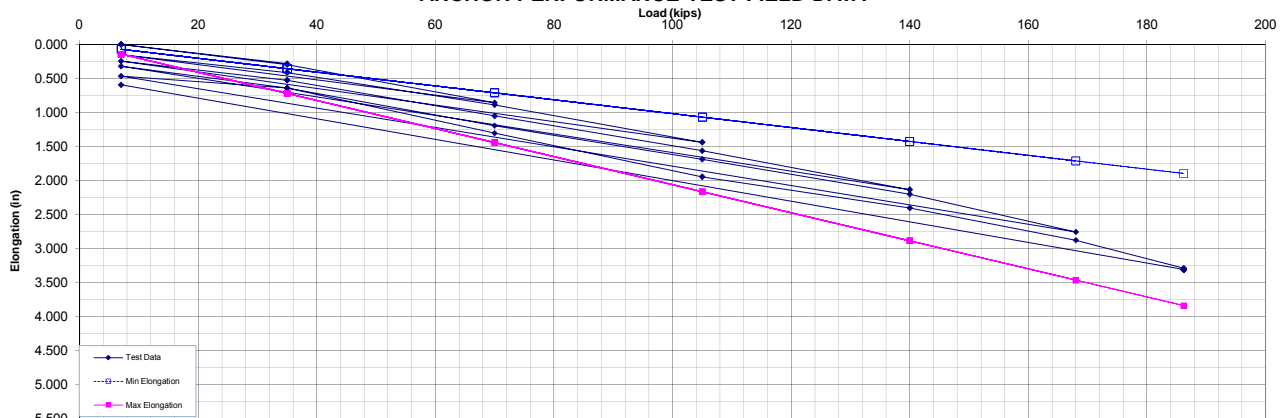
ANCHOR PERFORMANCE TEST FIELD DATA

Moretrench
100 Stickle Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor # **TB-48** DTL (kips): **140**

| | | | | | | | | | | | | | |
|---------------------|--------------------------|----------------------------|------------|--------------------------------------|-----------------------------------|--------------------------------|---------------------------|---------------------|------------------------------------|------------|-----------------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 12/22/2010 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: 6/14/2010 | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 1/5/2011 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.284 | Installation Angle | | | 30 | Degrees |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.002 | Bond Length | | | 35 | FT. |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.297 | Unbonded Length | | | 20 | FT. |
| | 50% | 70.0 | | 2425 | N/A | N/A | | 0.857 | Jacking Length | | | 5 | FT. |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.154 | Max Jacking Load | 187.0 kips | | | |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.414 | Test load | 186.2 kips | | | |
| | 50% | 70.0 | | 2425 | N/A | N/A | | 0.888 | Notes: | | | | |
| | 75% | 105.0 | | 3575 | N/A | N/A | | 1.438 | | | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.248 | | | | | |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.526 | | | | | |
| | 50% | 70.0 | | 2425 | N/A | N/A | | 1.052 | | | | | |
| | 75% | 105.0 | | 3575 | N/A | N/A | | 1.563 | | | | | |
| | 100% | 140.0 | | 4725 | N/A | N/A | | 2.134 | | | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.323 | | | | | |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.641 | | | | | |
| | 50% | 70.0 | | 2425 | N/A | N/A | | 1.195 | | | | | |
| | 75% | 105.0 | | 3575 | N/A | N/A | | 1.689 | | | | | |
| | 100% | 140.0 | | 4725 | N/A | N/A | | 2.201 | | | | | |
| | 120% | 168.0 | | 5650 | N/A | N/A | | 2.755 | | | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.469 | | | | | |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.643 | | | | | |
| | 50% | 70.0 | | 2425 | N/A | N/A | | 1.305 | | | | | |
| | 75% | 105.0 | | 3575 | N/A | N/A | | 1.946 | | | | | |
| | 100% | 140.0 | | 4725 | N/A | N/A | | 2.402 | | | | | |
| | 120% | 168.0 | | 5650 | N/A | N/A | | 2.877 | | | | | |
| | 133% | 186.2 | 0 min | 6250 | N/A | N/A | | 3.287 | CREEP TEST RESULTS: | | | | |
| | 133% | 186.2 | 1 min | 6250 | N/A | N/A | | 3.308 | | | | | |
| | 133% | 186.2 | 2 min | 6250 | N/A | N/A | | 3.308 | | | | | |
| | 133% | 186.2 | 3 min | 6250 | N/A | N/A | | 3.308 | | | | | |
| | 133% | 186.2 | 4 min | 6250 | N/A | N/A | | 3.308 | | | | | |
| | 133% | 186.2 | 5 min | 6250 | N/A | N/A | | 3.308 | | | | | |
| | 133% | 186.2 | 6 min | 6250 | N/A | N/A | | 3.308 | | | | | |
| | 133% | 186.2 | 10 min | 6250 | N/A | N/A | | 3.308 | Creep 1 -10 min.(≤0.04"): | | 0.000 | | |
| | 133% | 186.2 | 15 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 20 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 25 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 30 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 40 min | 6250 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 186.2 | 45 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 50 min | 6250 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 186.2 | 60 min | 6250 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.897 | IN. | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.595 | Maximum Elongation (@TL) = | | 3.839 | IN. | |
| | Lock Off (100%) | 140.0 | | 4725 | N/A | N/A | | | | | | | |

ANCHOR PERFORMANCE TEST FIELD DATA



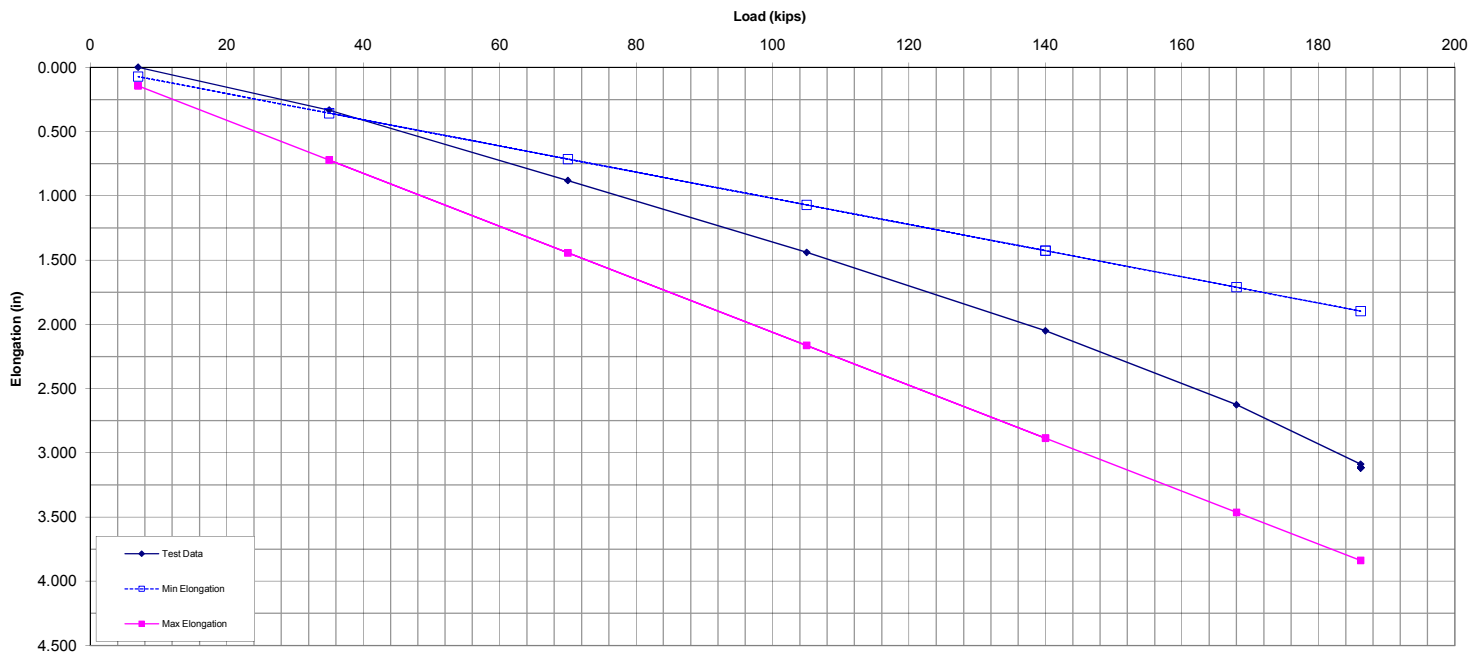
ANCHOR PROOF TEST FIELD DATA

Moretrench
100 Stickie Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor No: TB-49 **DTL (kips):** 140

| | | | | | | | | | | | | | |
|---------------------|-----------------------------|--------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|--------------------------------------|-----|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 12/21/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 1/5/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.332 | Installation Angle 30 Degrees | | | | |
| | 50% | 70.0 | | 2425 | N/A | N/A | | 0.881 | Bond Length 35 FT. | | | | |
| | 75% | 105.0 | | 3575 | N/A | N/A | | 1.440 | Unbonded Length 20 FT. | | | | |
| | 100% | 140.0 | | 4725 | N/A | N/A | | 2.050 | Jacking Length 5 FT. | | | | |
| | 120% | 168.0 | | 5650 | N/A | N/A | | 2.626 | Max Jacking Load 187.0 kips | | | | |
| | 133% | 186.2 | 0 min | 6250 | N/A | N/A | | 3.088 | Test load 186.2 kips | | | | |
| | 133% | 186.2 | 1 min | 6250 | N/A | N/A | | 3.115 | 80% Jack Selected 120.0 tons | | | | |
| | 133% | 186.2 | 2 min | 6250 | N/A | N/A | | 3.115 | Test Load 133% 93.1 tons | | | | |
| | 133% | 186.2 | 3 min | 6250 | N/A | N/A | | 3.115 | CREEP TEST RESULTS: | | | | |
| | 133% | 186.2 | 4 min | 6250 | N/A | N/A | | 3.115 | Notes: | | | | |
| | 133% | 186.2 | 5 min | 6250 | N/A | N/A | | 3.115 | | | | | |
| | 133% | 186.2 | 6 min | 6250 | N/A | N/A | | 3.115 | | | | | |
| | 133% | 186.2 | 10 min | 6250 | N/A | N/A | | 3.115 | Creep 1 -10 min.(≤0.04"): | | 0.000 | | |
| | 133% | 186.2 | 15 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 20 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 25 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 30 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 40 min | 6250 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 186.2 | 45 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 50 min | 6250 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 186.2 | 60 min | 6250 | N/A | N/A | | | Minimum Elongation (@TL) = 1.897 IN. | | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = 3.839 IN. | | | | |
| | Lock Off (100%) | 140.0 | | 4725 | N/A | N/A | | | | | | | |

ANCHOR PROOF TEST FIELD DATA



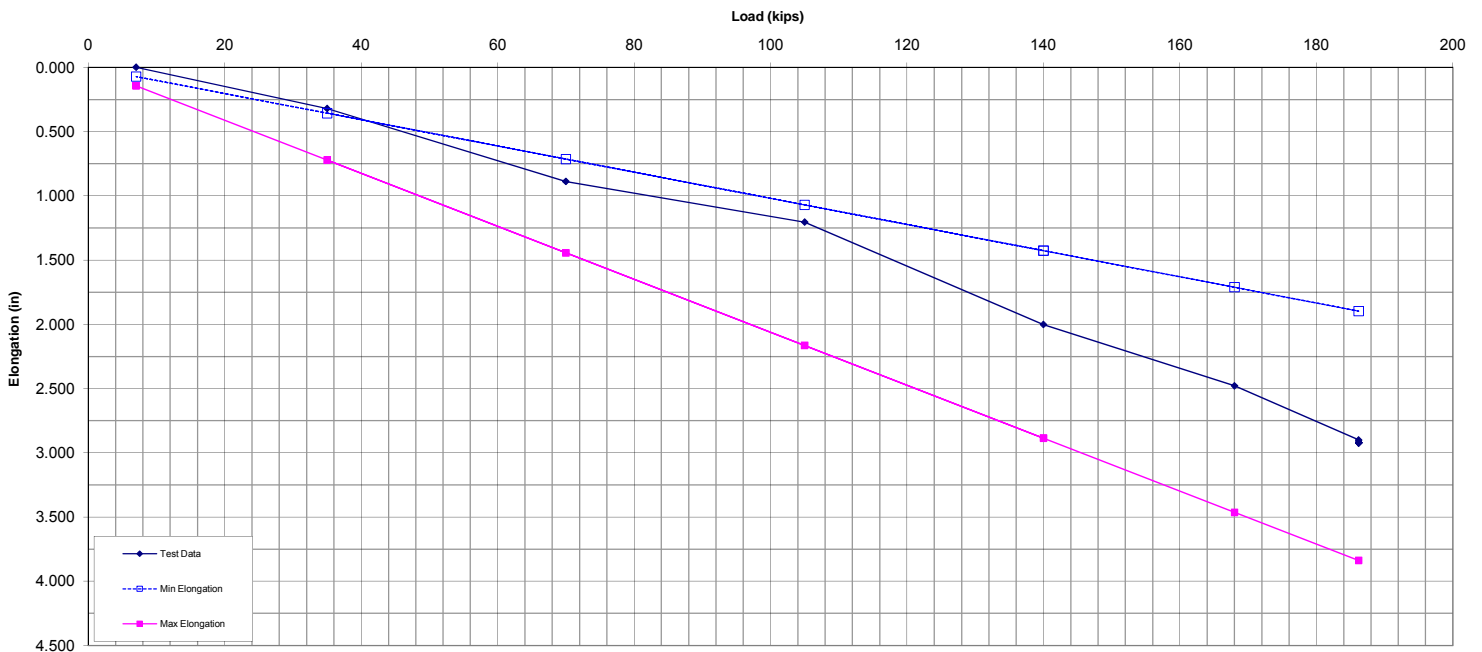
ANCHOR PROOF TEST FIELD DATA

Moretrench
100 Stickie Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor No: TB-50 **DTL (kips):** 140

| | | | | | | | | | | | | | | |
|---------------------|-----------------------------|--------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|---------|
| Job No: 71-8492 | | Date Installed: 12/22/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | | |
| Job Name: Honeywell | | Date Tested: 1/5/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | | |
| Reading | | | | | | | | | | | | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. | |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.321 | Installation Angle 30 | | | | | Degrees |
| | 50% | 70.0 | | 2425 | N/A | N/A | | 0.888 | Bond Length 35 | | | | | FT. |
| | 75% | 105.0 | | 3575 | N/A | N/A | | 1.205 | Unbonded Length 20 | | | | | FT. |
| | 100% | 140.0 | | 4725 | N/A | N/A | | 2.001 | Jacking Length 5 | | | | | FT. |
| | 120% | 168.0 | | 5650 | N/A | N/A | | 2.478 | Max Jacking Load 187.0 kips | | | | | |
| | 133% | 186.2 | 0 min | 6250 | N/A | N/A | | 2.900 | Test load 186.2 kips | | | | | |
| | 133% | 186.2 | 1 min | 6250 | N/A | N/A | | 2.921 | 80% Jack Selected 120.0 tons | | | | | |
| | 133% | 186.2 | 2 min | 6250 | N/A | N/A | | 2.921 | Test Load 133% 93.1 tons | | | | | |
| | 133% | 186.2 | 3 min | 6250 | N/A | N/A | | 2.921 | CREEP TEST RESULTS: | | | | | |
| | 133% | 186.2 | 4 min | 6250 | N/A | N/A | | 2.921 | Notes: | | | | | |
| | 133% | 186.2 | 5 min | 6250 | N/A | N/A | | 2.921 | | | | | | |
| | 133% | 186.2 | 6 min | 6250 | N/A | N/A | | 2.921 | | | | | | |
| | 133% | 186.2 | 10 min | 6250 | N/A | N/A | | 2.921 | Creep 1 -10 min.(≤0.04"): 0.000 | | | | | |
| | 133% | 186.2 | 15 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 20 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 25 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 30 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 40 min | 6250 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | | |
| | 133% | 186.2 | 45 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 50 min | 6250 | N/A | N/A | | | PTI Elongation Limits: | | | | | |
| | 133% | 186.2 | 60 min | 6250 | N/A | N/A | | | Minimum Elongation (@TL) = 1.897 | | | | | IN. |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = 3.839 | | | | | IN. |
| | Lock Off (100%) | 140.0 | | 4725 | N/A | N/A | | | | | | | | |

ANCHOR PROOF TEST FIELD DATA



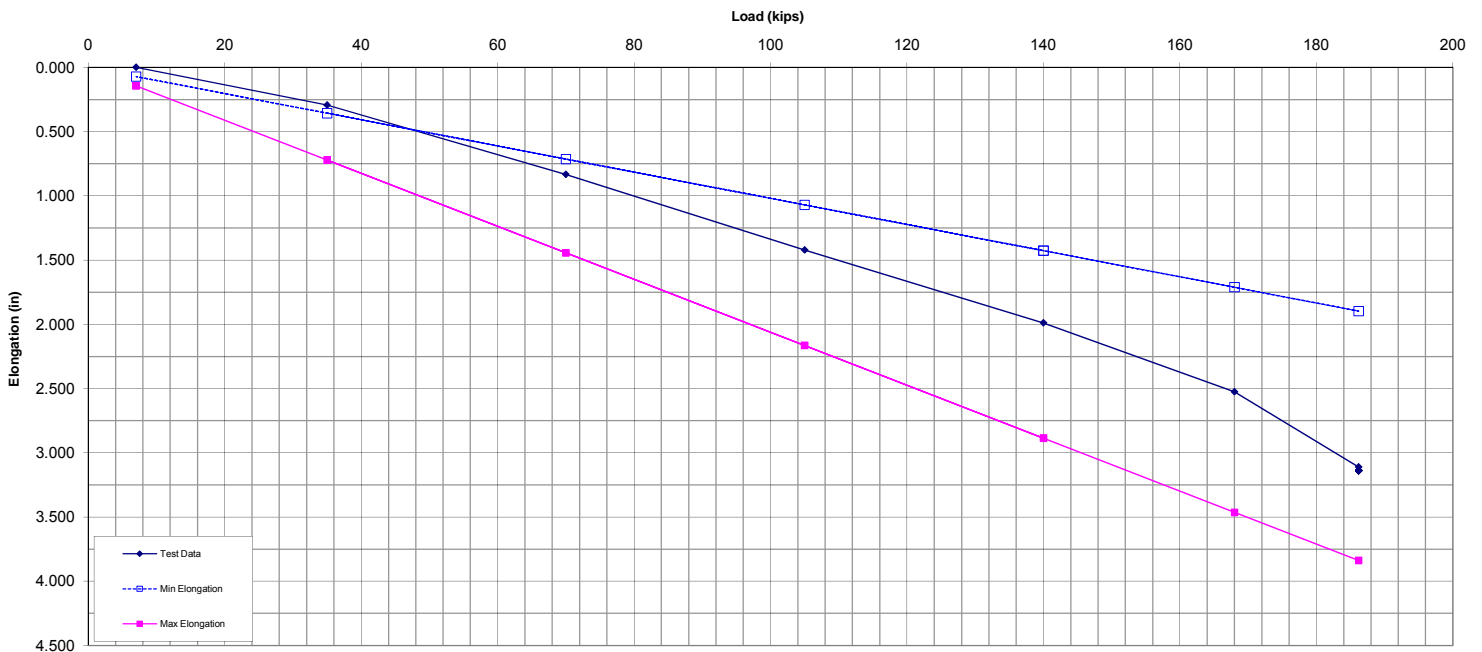
ANCHOR PROOF TEST FIELD DATA

Moretrench
100 Stickie Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor No: TB-51 **DTL (kips):** 140

| | | | | | | | | | | | | |
|---------------------|--------------------------|--------------------------|------------|--------------------------------------|-----------------------------------|--------------------------------|---------------------------|---------------------|------------------------------------|-----|-------------------|--------------|
| Job No: 71-8492 | | Date Installed: 12/28/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 |
| Job Name: Honeywell | | Date Tested: 1/5/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A |
| Time of Reading | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 SQ. IN. |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.294 | Installation Angle 30 Degrees | | | |
| | 50% | 70.0 | | 2425 | N/A | N/A | | 0.833 | Bond Length 35 FT. | | | |
| | 75% | 105.0 | | 3575 | N/A | N/A | | 1.422 | Unbonded Length 20 FT. | | | |
| | 100% | 140.0 | | 4725 | N/A | N/A | | 1.989 | Jacking Length 5 FT. | | | |
| | 120% | 168.0 | | 5650 | N/A | N/A | | 2.525 | Max Jacking Load 187.0 kips | | | |
| | 133% | 186.2 | 0 min | 6250 | N/A | N/A | | 3.111 | Test load 186.2 kips | | | |
| | 133% | 186.2 | 1 min | 6250 | N/A | N/A | | 3.139 | 80% Jack Selected 120.0 tons | | | |
| | 133% | 186.2 | 2 min | 6250 | N/A | N/A | | 3.139 | Test Load 133% 93.1 tons | | | |
| | 133% | 186.2 | 3 min | 6250 | N/A | N/A | | 3.139 | CREEP TEST RESULTS: | | | |
| | 133% | 186.2 | 4 min | 6250 | N/A | N/A | | 3.139 | Notes: | | | |
| | 133% | 186.2 | 5 min | 6250 | N/A | N/A | | 3.139 | | | | |
| | 133% | 186.2 | 6 min | 6250 | N/A | N/A | | 3.139 | | | | |
| | 133% | 186.2 | 10 min | 6250 | N/A | N/A | | 3.139 | Creep 1 -10 min.(≤0.04"): | | 0.000 | |
| | 133% | 186.2 | 15 min | 6250 | N/A | N/A | | | | | | |
| | 133% | 186.2 | 20 min | 6250 | N/A | N/A | | | | | | |
| | 133% | 186.2 | 25 min | 6250 | N/A | N/A | | | | | | |
| | 133% | 186.2 | 30 min | 6250 | N/A | N/A | | | | | | |
| | 133% | 186.2 | 40 min | 6250 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | |
| | 133% | 186.2 | 45 min | 6250 | N/A | N/A | | | | | | |
| | 133% | 186.2 | 50 min | 6250 | N/A | N/A | | | PTI Elongation Limits: | | | |
| | 133% | 186.2 | 60 min | 6250 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.897 | IN. |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.839 | IN. |
| | Lock Off (100%) | 140.0 | | 4725 | N/A | N/A | | | | | | |

ANCHOR PROOF TEST FIELD DATA



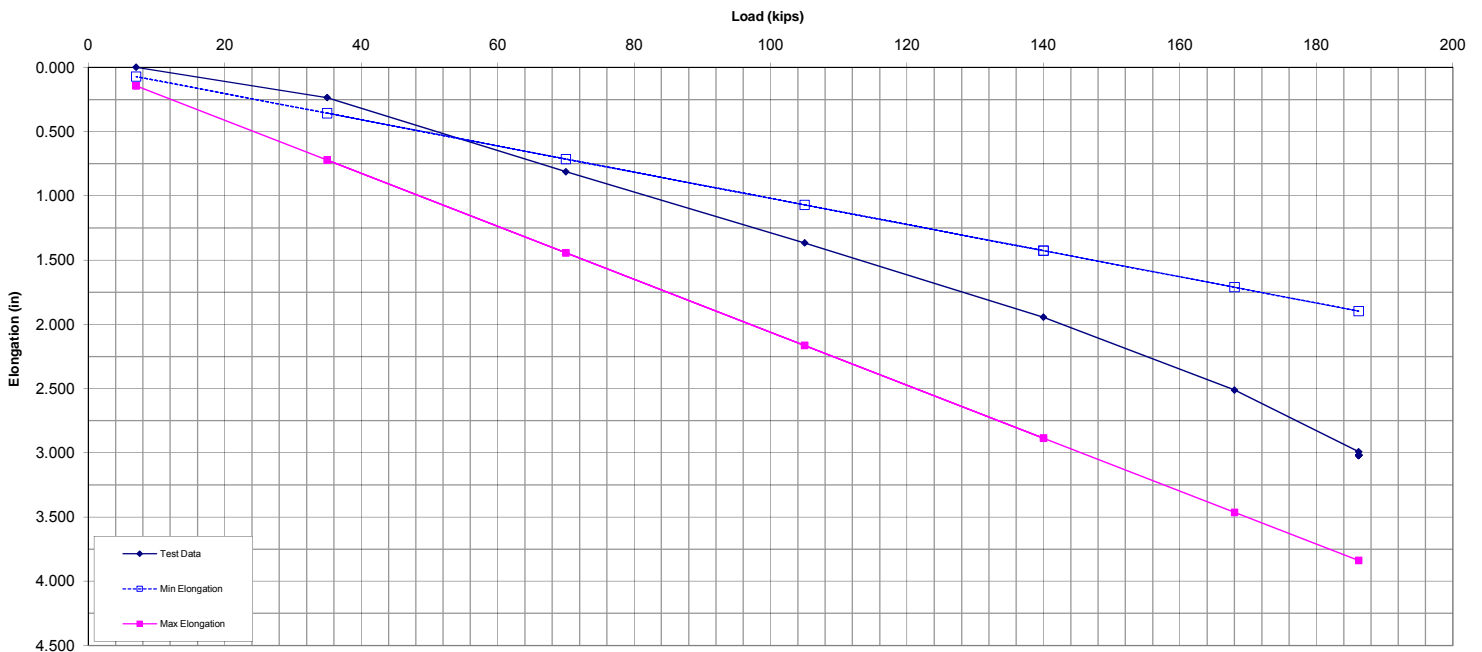
ANCHOR PROOF TEST FIELD DATA

Moretrench
100 Stickie Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor No: TB-52 **DTL (kips):** 140

| | | | | | | | | | | | | |
|---------------------|--------------------------|--------------------------|------------|--------------------------------------|-----------------------------------|--------------------------------|---------------------------|---------------------|------------------------------------|-----|-------------------|--------------|
| Job No: 71-8492 | | Date Installed: 12/28/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 |
| Job Name: Honeywell | | Date Tested: 1/5/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A |
| Time of Reading | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 SQ. IN. |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.235 | Installation Angle 30 Degrees | | | |
| | 50% | 70.0 | | 2425 | N/A | N/A | | 0.812 | Bond Length 35 FT. | | | |
| | 75% | 105.0 | | 3575 | N/A | N/A | | 1.366 | Unbonded Length 20 FT. | | | |
| | 100% | 140.0 | | 4725 | N/A | N/A | | 1.944 | Jacking Length 5 FT. | | | |
| | 120% | 168.0 | | 5650 | N/A | N/A | | 2.511 | Max Jacking Load 187.0 kips | | | |
| | 133% | 186.2 | 0 min | 6250 | N/A | N/A | | 2.990 | Test load 186.2 kips | | | |
| | 133% | 186.2 | 1 min | 6250 | N/A | N/A | | 3.018 | 80% Jack Selected 120.0 tons | | | |
| | 133% | 186.2 | 2 min | 6250 | N/A | N/A | | 3.018 | Test Load 133% 93.1 tons | | | |
| | 133% | 186.2 | 3 min | 6250 | N/A | N/A | | 3.018 | CREEP TEST RESULTS: | | | |
| | 133% | 186.2 | 4 min | 6250 | N/A | N/A | | 3.018 | Notes: | | | |
| | 133% | 186.2 | 5 min | 6250 | N/A | N/A | | 3.018 | | | | |
| | 133% | 186.2 | 6 min | 6250 | N/A | N/A | | 3.018 | | | | |
| | 133% | 186.2 | 10 min | 6250 | N/A | N/A | | 3.020 | Creep 1 -10 min.(≤0.04"): | | 0.002 | |
| | 133% | 186.2 | 15 min | 6250 | N/A | N/A | | | | | | |
| | 133% | 186.2 | 20 min | 6250 | N/A | N/A | | | | | | |
| | 133% | 186.2 | 25 min | 6250 | N/A | N/A | | | | | | |
| | 133% | 186.2 | 30 min | 6250 | N/A | N/A | | | | | | |
| | 133% | 186.2 | 40 min | 6250 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | |
| | 133% | 186.2 | 45 min | 6250 | N/A | N/A | | | | | | |
| | 133% | 186.2 | 50 min | 6250 | N/A | N/A | | | PTI Elongation Limits: | | | |
| | 133% | 186.2 | 60 min | 6250 | N/A | N/A | | | Minimum Elongation (@TL) = | | 1.897 | IN. |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = | | 3.839 | IN. |
| | Lock Off (100%) | 140.0 | | 4725 | N/A | N/A | | | | | | |

ANCHOR PROOF TEST FIELD DATA



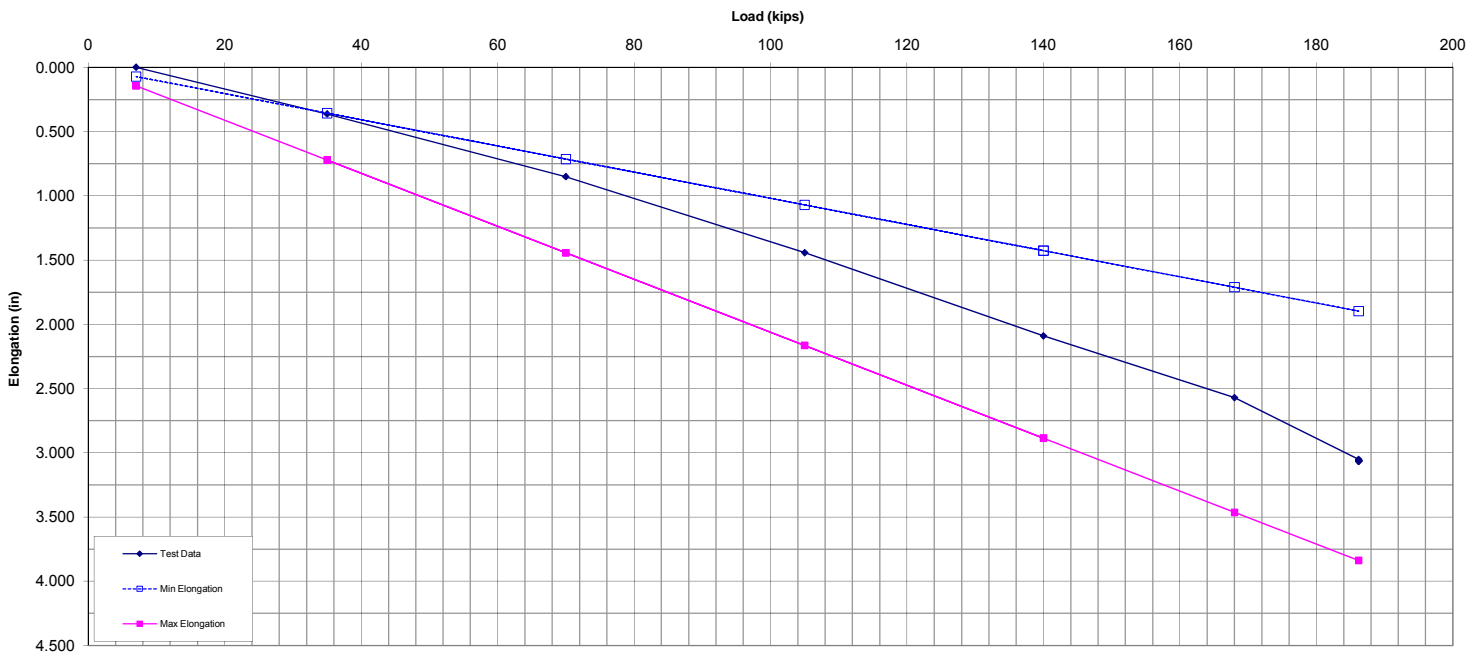
ANCHOR PROOF TEST FIELD DATA

Moretrench
100 Stickie Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor No: **TB-53** DTL (kips): **140**

| | | | | | | | | | | | | | |
|---------------------|--------------------------|--------------------------|------------|--------------------------------------|-----------------------------------|--------------------------------|---------------------------|---------------------|--------------------------------------|-----|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 12/29/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 1/5/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of Reading | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.363 | Installation Angle 30 Degrees | | | | |
| | 50% | 70.0 | | 2425 | N/A | N/A | | 0.851 | Bond Length 35 FT. | | | | |
| | 75% | 105.0 | | 3575 | N/A | N/A | | 1.442 | Unbonded Length 20 FT. | | | | |
| | 100% | 140.0 | | 4725 | N/A | N/A | | 2.090 | Jacking Length 5 FT. | | | | |
| | 120% | 168.0 | | 5650 | N/A | N/A | | 2.570 | Max Jacking Load 187.0 kips | | | | |
| | 133% | 186.2 | 0 min | 6250 | N/A | N/A | | 3.051 | Test load 186.2 kips | | | | |
| | 133% | 186.2 | 1 min | 6250 | N/A | N/A | | 3.063 | 80% Jack Selected 120.0 tons | | | | |
| | 133% | 186.2 | 2 min | 6250 | N/A | N/A | | 3.063 | Test Load 133% 93.1 tons | | | | |
| | 133% | 186.2 | 3 min | 6250 | N/A | N/A | | 3.063 | CREEP TEST RESULTS: | | | | |
| | 133% | 186.2 | 4 min | 6250 | N/A | N/A | | 3.063 | Notes: | | | | |
| | 133% | 186.2 | 5 min | 6250 | N/A | N/A | | 3.063 | | | | | |
| | 133% | 186.2 | 6 min | 6250 | N/A | N/A | | 3.063 | | | | | |
| | 133% | 186.2 | 10 min | 6250 | N/A | N/A | | 3.063 | Creep 1 -10 min.(≤0.04"): | | 0.000 | | |
| | 133% | 186.2 | 15 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 20 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 25 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 30 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 40 min | 6250 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 186.2 | 45 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 50 min | 6250 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 186.2 | 60 min | 6250 | N/A | N/A | | | Minimum Elongation (@TL) = 1.897 IN. | | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = 3.839 IN. | | | | |
| | Lock Off (100%) | 140.0 | | 4725 | N/A | N/A | | | | | | | |

ANCHOR PROOF TEST FIELD DATA



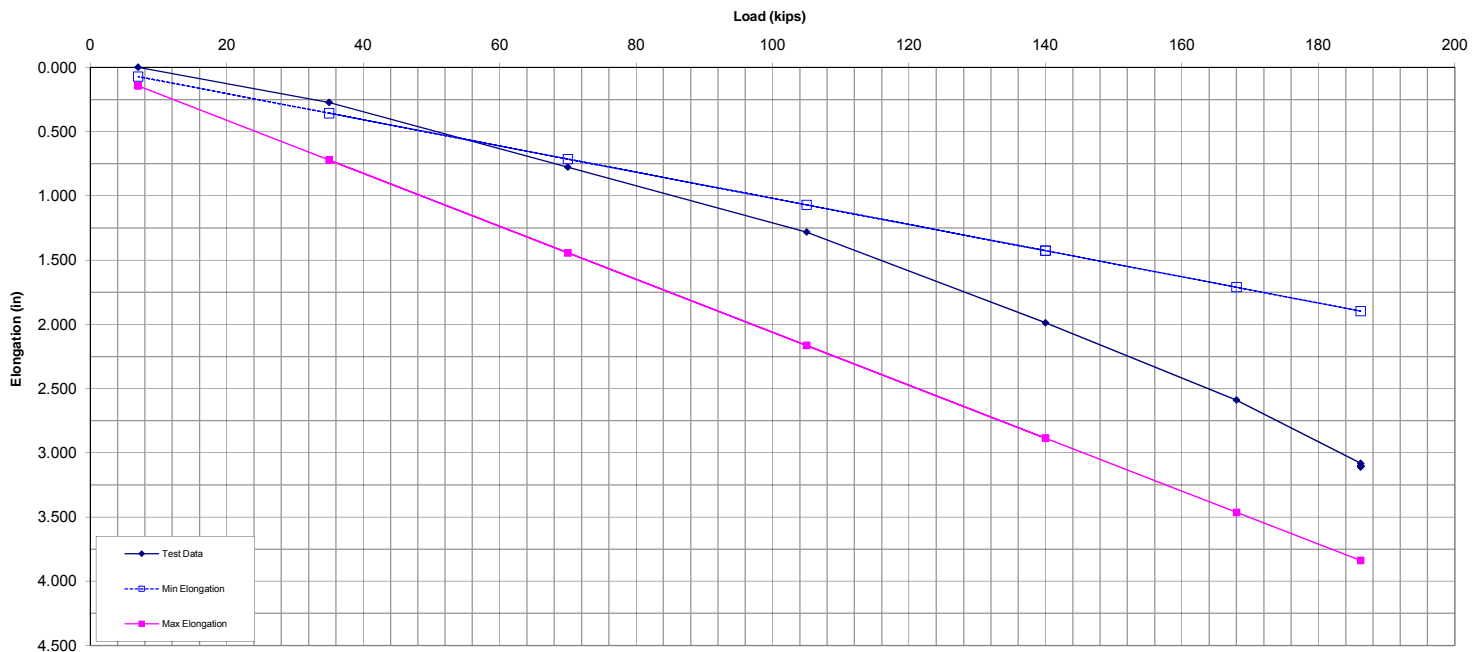
ANCHOR PROOF TEST FIELD DATA

Moretrench
100 Stickie Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor No: TB-54 **DTL (kips):** 140

| | | | | | | | | | | | | | |
|---------------------|-----------------------------|--------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|--------------------------------------|-----|-------------------|-----------|---------|
| Job No: 71-8492 | | Date Installed: 12/29/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | |
| Job Name: Honeywell | | Date Tested: 1/5/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | |
| Reading | | | | | | | | | | | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.273 | Installation Angle 30 Degrees | | | | |
| | 50% | 70.0 | | 2425 | N/A | N/A | | 0.777 | Bond Length 35 FT. | | | | |
| | 75% | 105.0 | | 3575 | N/A | N/A | | 1.282 | Unbonded Length 20 FT. | | | | |
| | 100% | 140.0 | | 4725 | N/A | N/A | | 1.988 | Jacking Length 5 FT. | | | | |
| | 120% | 168.0 | | 5650 | N/A | N/A | | 2.589 | Max Jacking Load 187.0 kips | | | | |
| | 133% | 186.2 | 0 min | 6250 | N/A | N/A | | 3.082 | Test load 186.2 kips | | | | |
| | 133% | 186.2 | 1 min | 6250 | N/A | N/A | | 3.104 | 80% Jack Selected 120.0 tons | | | | |
| | 133% | 186.2 | 2 min | 6250 | N/A | N/A | | 3.104 | Test Load 133% 93.1 tons | | | | |
| | 133% | 186.2 | 3 min | 6250 | N/A | N/A | | 3.104 | CREEP TEST RESULTS: | | | | |
| | 133% | 186.2 | 4 min | 6250 | N/A | N/A | | 3.104 | Notes: | | | | |
| | 133% | 186.2 | 5 min | 6250 | N/A | N/A | | 3.104 | | | | | |
| | 133% | 186.2 | 6 min | 6250 | N/A | N/A | | 3.108 | | | | | |
| | 133% | 186.2 | 10 min | 6250 | N/A | N/A | | 3.108 | Creep 1 -10 min.(≤0.04"): | | 0.004 | | |
| | 133% | 186.2 | 15 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 20 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 25 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 30 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 40 min | 6250 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | |
| | 133% | 186.2 | 45 min | 6250 | N/A | N/A | | | | | | | |
| | 133% | 186.2 | 50 min | 6250 | N/A | N/A | | | PTI Elongation Limits: | | | | |
| | 133% | 186.2 | 60 min | 6250 | N/A | N/A | | | Minimum Elongation (@TL) = 1.897 IN. | | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = 3.839 IN. | | | | |
| | Lock Off (100%) | 140.0 | | 4725 | N/A | N/A | | | | | | | |

ANCHOR PROOF TEST FIELD DATA



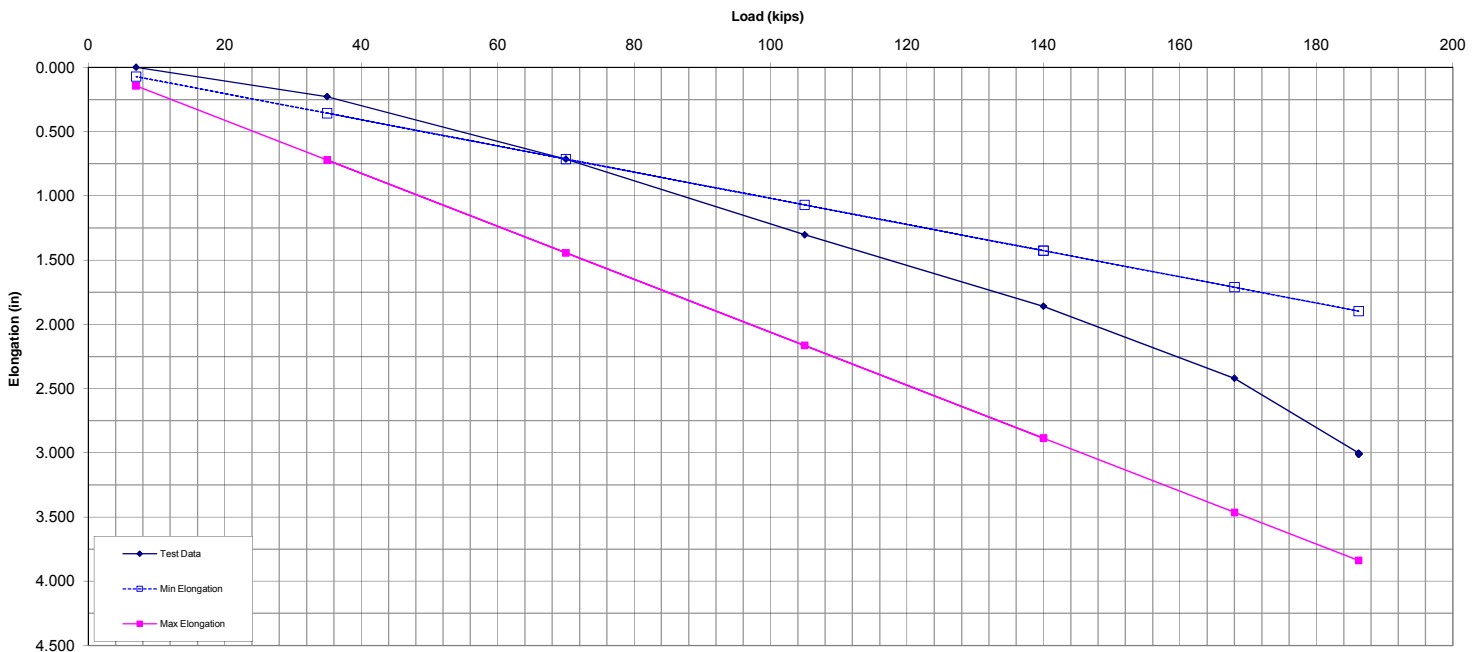
ANCHOR PROOF TEST FIELD DATA

Moretrench
100 Stickie Avenue
Rockaway, NJ 07866
Telephone: 973-627-2100
Facsimile: 973-586-7265

Anchor No: TB-55 **DTL (kips):** 140

| | | | | | | | | | | | | | | |
|---------------------|-----------------------------|--------------------------|---------------|--|---|--------------------------------------|---------------------------------|------------------------|------------------------------------|-----|-------------------|-----------|---------|---------|
| Job No: 71-8492 | | Date Installed: 12/29/10 | | | Primary Gauge No: 3233PG | | Slope (kips/psi) 33.0357 | | Intercept (psi) 89.29 | | Calibration Date: | 6/14/2010 | | |
| Job Name: Honeywell | | Date Tested: 1/5/11 | | | Secondary Gauge No: N/A | | Slope (kips/psi) N/A | | Intercept (psi) N/A | | | | | |
| Tested by: J. Kuza | | MTA Jack No. 3233 | | | Load Cell SN: N/A | | Slope (kips/digit) #N/A | | Intercept (digits) #N/A | | Calibration Date: | #N/A | | |
| Time of | Load Increment % of D.L. | Test Load (Kips) | Time (Min) | Theoretical Jack Pressure No: 3233PG | Theoretical Jack Pressure No: N/A | Theoretical Load Cell (digits) | Actual Load Cell (digits) | Elongation (inches) | AS-BUILT ANCHOR INSTALLATION DATA: | | | | | |
| Reading | | | | | | | | | | | | | | |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | 0.000 | Strand 4 | Str | Area: | 0.87 | SQ. IN. | |
| | 25% | 35.0 | | 1250 | N/A | N/A | | 0.228 | Installation Angle 30 | | | | | Degrees |
| | 50% | 70.0 | | 2425 | N/A | N/A | | 0.714 | Bond Length 35 | | | | | FT. |
| | 75% | 105.0 | | 3575 | N/A | N/A | | 1.303 | Unbonded Length 20 | | | | | FT. |
| | 100% | 140.0 | | 4725 | N/A | N/A | | 1.859 | Jacking Length 5 | | | | | FT. |
| | 120% | 168.0 | | 5650 | N/A | N/A | | 2.420 | Max Jacking Load 187.0 kips | | | | | |
| | 133% | 186.2 | 0 min | 6250 | N/A | N/A | | 3.001 | Test load 186.2 kips | | | | | |
| | 133% | 186.2 | 1 min | 6250 | N/A | N/A | | 3.009 | 80% Jack Selected 120.0 tons | | | | | |
| | 133% | 186.2 | 2 min | 6250 | N/A | N/A | | 3.009 | Test Load 133% 93.1 tons | | | | | |
| | 133% | 186.2 | 3 min | 6250 | N/A | N/A | | 3.009 | CREEP TEST RESULTS: | | | | | |
| | 133% | 186.2 | 4 min | 6250 | N/A | N/A | | 3.009 | Notes: | | | | | |
| | 133% | 186.2 | 5 min | 6250 | N/A | N/A | | 3.009 | | | | | | |
| | 133% | 186.2 | 6 min | 6250 | N/A | N/A | | 3.009 | | | | | | |
| | 133% | 186.2 | 10 min | 6250 | N/A | N/A | | 3.011 | Creep 1 -10 min.(≤0.04"): | | 0.002 | | | |
| | 133% | 186.2 | 15 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 20 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 25 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 30 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 40 min | 6250 | N/A | N/A | | | Creep 6 -60 min.(≤0.08"): | | | | | |
| | 133% | 186.2 | 45 min | 6250 | N/A | N/A | | | | | | | | |
| | 133% | 186.2 | 50 min | 6250 | N/A | N/A | | | PTI Elongation Limits: | | | | | |
| | 133% | 186.2 | 60 min | 6250 | N/A | N/A | | | Minimum Elongation (@TL) = 1.897 | | | | | IN. |
| | AL (5%) | 7.0 | | 325 | N/A | N/A | | | Maximum Elongation (@TL) = 3.839 | | | | | IN. |
| | Lock Off (100%) | 140.0 | | 4725 | N/A | N/A | | | | | | | | |

ANCHOR PROOF TEST FIELD DATA



MUESER RUTLEDGE CONSULTING ENGINEERS

TIEBACK PROOF TEST DATA

| | | |
|-----------------------------|--------------|------------|
| Tieback NO. | 1 | |
| Initial Dial reading | 0.000 | In. |
| Max. Elongation | 2.848 | In. |
| Min. Elongation | 1.464 | In. |

| | |
|-----------------------|----------|
| Test Load (kips) | 133 |
| Alignment Load (kips) | 5 |
| Tail (ft) | 2.5 |
| Free length (ft) | 20 |
| Bond length (ft) | 25 |
| Area of Anchor (SI) | 0.651 |
| E of Anchor(ksi) | 2.90E+04 |

RESULTS

| | |
|----------------------------|--------------|
| Max Elongation (in) | 2.848 |
| Min Elongation (in) | 1.464 |

| Theoretical Elongations | | | Load (Kips) | Dial Reading (In.) | Elongation(In.) |
|-------------------------|-------------------------|------------|-------------|--------------------|------------------|
| | | | 5 | 0.000 | 0.000 |
| | Elongation (In.) | | 25 | 0.257 | 0.257 |
| Load (Kips) | Max | Min | 50 | 0.743 | 0.743 |
| 5 | 0 | 0 | 75 | 1.400 | 1.400 |
| 133 | 2.848 | 1.464 | 100 | 2.222 | 2.222 |
| | | | 118 | 3.126 | 3.126 |
| | | | 63 | 3.126 | 3.126 |
| | | | | | 0.000 |
| | | | | | |

MUESER RUTLEDGE CONSULTING ENGINEERS
TIEBACK PROOF TEST

| | |
|------------------------------|-----------------|
| PROJECT | STUDY AREA 5 |
| LOCATION | JERSEY CITY, NJ |
| CONTRACTOR | MORETRENCH |
| RES. ENGINEER | AC |
| DESIGN LOAD (KIPS) | 100 |
| LOCK-OFF LOAD (KIPS) | |
| TEST LOAD (KIPS) | 133 |
| LIFT-OFF LOAD (KIPS) | |
| LIFT-OFF LD / DSGN LD | |

| | |
|-------------------------|----------|
| TIEBACK NO. | 1 |
| FILE | 10962A |
| DATE | 11/29/10 |
| MAX. ELONG. (IN) | 2.848 |
| MIN. ELONG. (IN) | 1.464 |
| GAGE NO. | 3233PG |
| JACK NO. | 3233 |

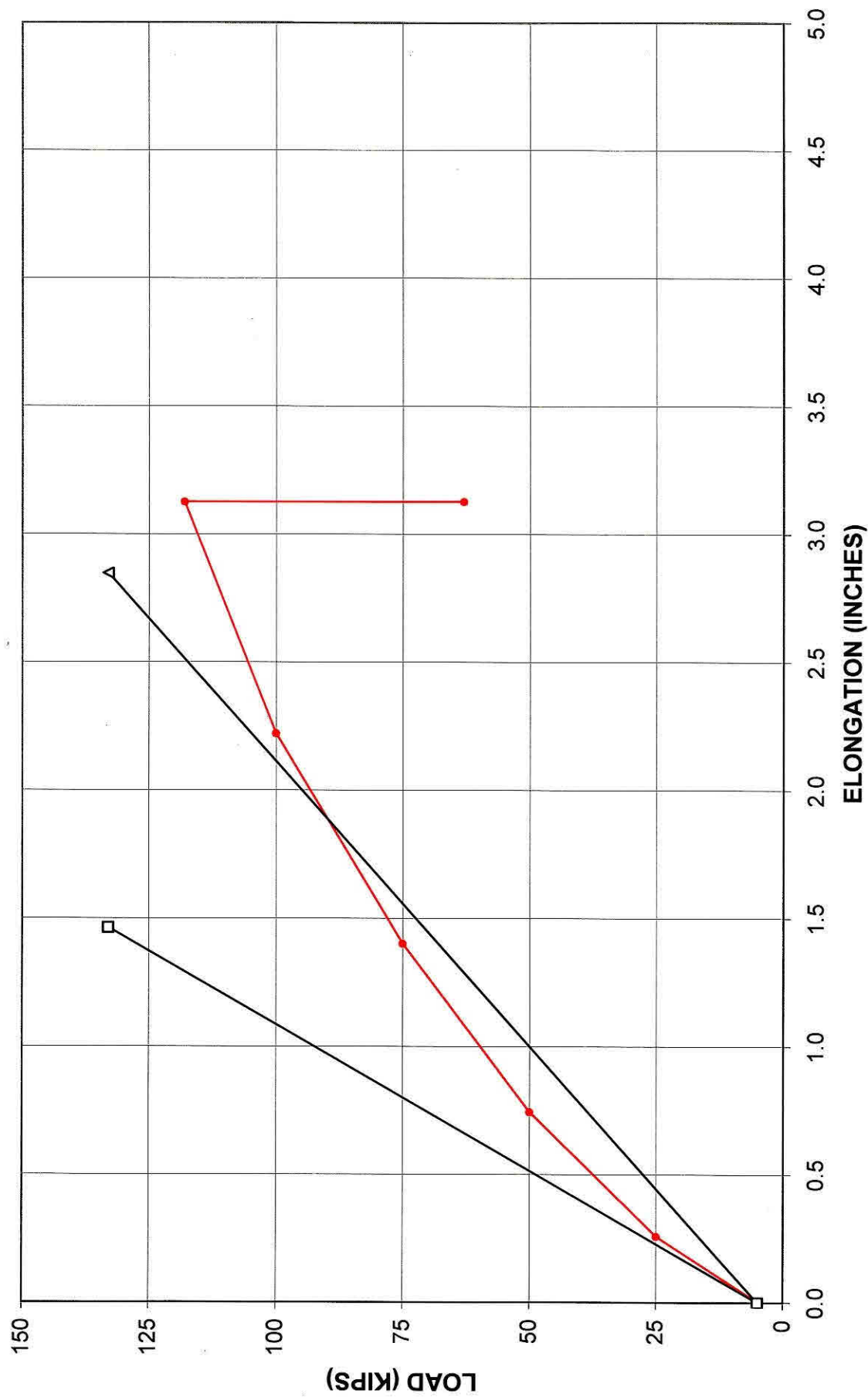
| LOAD | LOAD (KIPS) | GAGE PRESSURE (PSI) | TIME | HOLD TIME (MIN) | DIAL READING (INCHES) | ELONGATION (INCHES) | COMMENTS |
|-------|--|---------------------------|------|-----------------------|-----------------------------|------------------------|-----------------------------|
| AL | 5 | 200 | 852 | 0 | 0.000 | | ALIGNMENT LOAD |
| .25P | 25 | 925 | 853 | 0 | 0.257 | | |
| .50P | 50 | 1750 | 853 | 0 | 0.743 | | |
| .75P | 75 | 2575 | 854 | 0 | 1.400 | | |
| 1.00P | 100 | 3400 | 855 | 0 | 2.222 | | DESIGN LOAD |
| 1.20P | 118 | 4000 | 856 | 0 | 3.126 | | |
| | 63 | 2200 | 856 | 0 | 3.126 | | |
| | | | | 1 | | | |
| | | | | 2 | | | |
| | | | | 3 | | | |
| | | | | 4 | | | |
| | | | | 5 | | | |
| | | | | 6 | | | |
| | | | | 10 | | | If elongation between 1 and |
| | | | | | | | 10 minutes > 0.040 inches, |
| | While trying to increase pressure to 4075 psi, a soft thud occurred at 4000 psi, and pressure dropped to 2200 psi. Pressure was not able to be increased above 2700 psi. | | | | | | hold additional 50 minutes. |
| | | | | | | | |
| | | | | | | | LOCK-OFF LOAD |
| | | | | | | | |
| | | | | | | | LIFT-OFF LOAD |
| | | | | | | | |

MUESER RUTLEDGE CONSULTING ENGINEERS

TIEBACK NO. 1

PROOF TEST

—●— Anchor Elong. —△— Theo. Max. Elong. —□— Theo. Min. Elong.



MUESER RUTLEDGE CONSULTING ENGINEERS

TIEBACK PROOF TEST DATA

| | | |
|----------------------|-------|-----|
| Tieback NO. | 2 | |
| Initial Dial reading | 0.000 | In. |
| Max. Elongation | 2.848 | In. |
| Min. Elongation | 1.464 | In. |

| | |
|-----------------------|----------|
| Test Load (kips) | 133 |
| Alignment Load (kips) | 5 |
| Tail (ft) | 2.5 |
| Free length (ft) | 20 |
| Bond length (ft) | 25 |
| Area of Anchor (SI) | 0.651 |
| E of Anchor(ksi) | 2.90E+04 |

RESULTS

| | |
|---------------------|-------|
| Max Elongation (in) | 2.848 |
| Min Elongation (in) | 1.464 |

| Theoretical Elongations | | | Load (Kips) | Dial Reading (In.) | Elongation(In.) |
|-------------------------|------------------|-------|-------------|--------------------|------------------|
| | Elongation (In.) | | 5 | 0.000 | 0.000 |
| | | | 25 | 0.236 | 0.236 |
| Load (Kips) | Max | Min | 50 | 0.743 | 0.743 |
| 5 | 0 | 0 | 75 | 1.419 | 1.419 |
| 133 | 2.848 | 1.464 | 100 | 2.013 | 2.013 |
| | | | 120 | 3.081 | 3.081 |
| | | | 124 | 3.467 | 3.467 |
| | | | 110 | 3.472 | 3.472 |
| | | | | | |

MUESER RUTLEDGE CONSULTING ENGINEERS
TIEBACK PROOF TEST

| | |
|------------------------------|-----------------|
| PROJECT | STUDY AREA 5 |
| LOCATION | JERSEY CITY, NJ |
| CONTRACTOR | MORETRENCH |
| RES. ENGINEER | AC |
| DESIGN LOAD (KIPS) | 100 |
| LOCK-OFF LOAD (KIPS) | |
| TEST LOAD (KIPS) | 133 |
| LIFT-OFF LOAD (KIPS) | |
| LIFT-OFF LD / DSGN LD | |

| | |
|-------------------------|----------|
| TIEBACK NO. | 2 |
| FILE | 10962A |
| DATE | 11/29/10 |
| MAX. ELONG. (IN) | 2.848 |
| MIN. ELONG. (IN) | 1.464 |
| GAGE NO. | 3233PG |
| JACK NO. | 3233 |

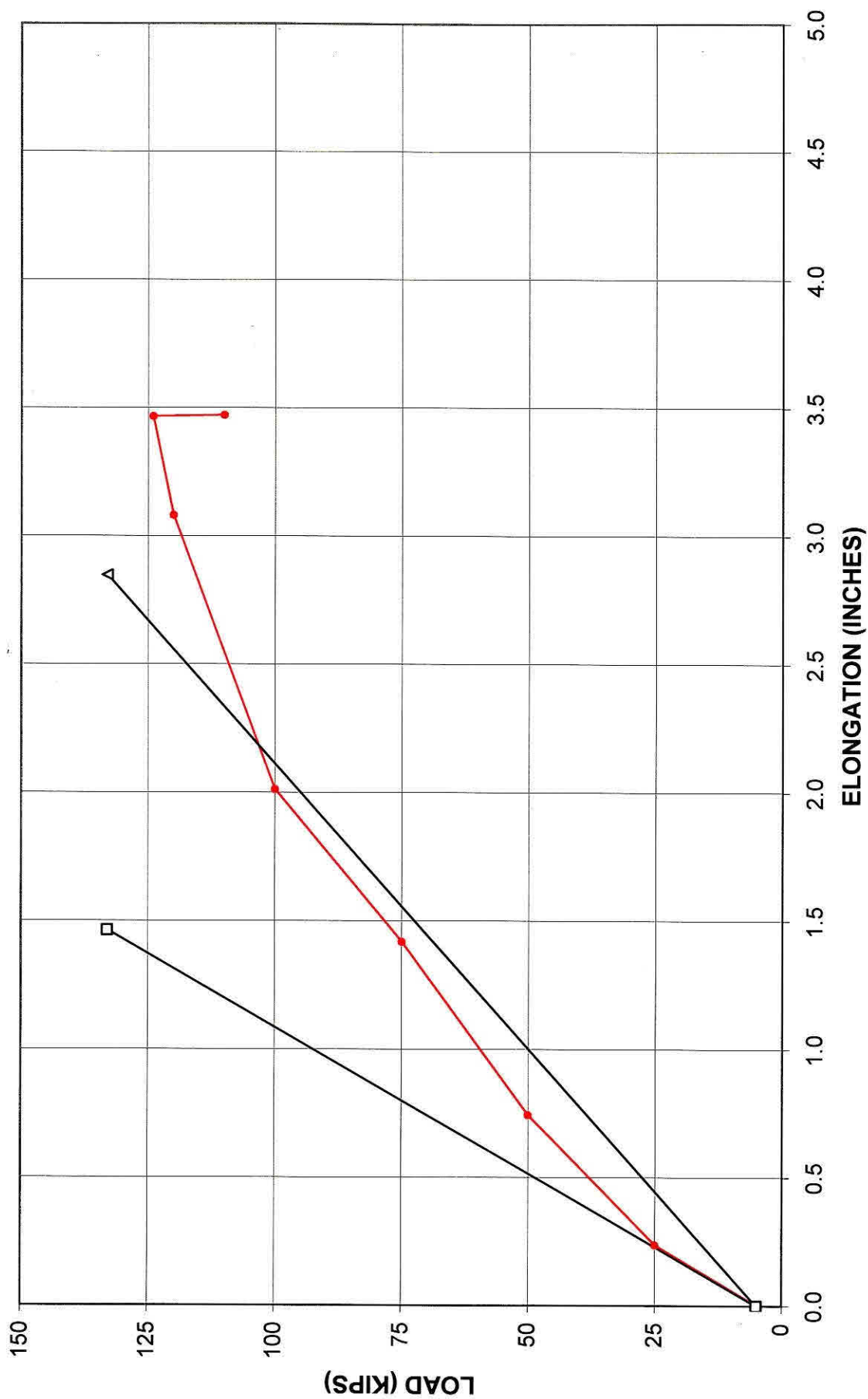
| LOAD | LOAD (KIPS) | GAGE PRESSURE (PSI) | TIME | HOLD TIME (MIN) | DIAL READING (INCHES) | ELONGATION (INCHES) | COMMENTS |
|-------|--|---------------------------|------|-----------------------|-----------------------------|------------------------|-----------------------------|
| AL | 5 | 300 | 1007 | 0 | 0.000 | | ALIGNMENT LOAD |
| .25P | 25 | 925 | 1008 | 0 | 0.236 | | |
| .50P | 50 | 1750 | 1008 | 0 | 0.743 | | |
| .75P | 75 | 2575 | 1009 | 0 | 1.419 | | |
| 1.00P | 100 | 3400 | 1010 | 0 | 2.013 | | DESIGN LOAD |
| 1.20P | 120 | 4075 | 1011 | 0 | 3.081 | | |
| 1.24P | 124 | 4200 | 1013 | 0 | 3.467 | | TEST LOAD |
| | | 4000 | 1014 | 1 | 3.468 | | |
| | | 3900 | 1015 | 2 | 3.468 | | |
| | | 3900 | 1016 | 3 | 3.469 | | |
| | | 3850 | 1017 | 4 | 3.470 | | |
| | | 3850 | 1018 | 5 | 3.471 | | |
| | | 3700 | 1019 | 6 | 3.471 | | |
| | | 3700 | 1023 | 10 | 3.472 | | If elongation between 1 and |
| | | | | | | | 10 minutes > 0.040 inches, |
| | | | | | | | hold additional 50 minutes. |
| | While increasing pressure from 4075psi to 4500 psi pressure did not increase above 4200psi and tieback continued to elongate. Pressure was held at 4200psi. Tieback was held for 10 minutes . Pressure dropped from 4200psi to 3700 psi during hold. Tieback was not locked-off. | | | | | | |
| | | | | | | | LOCK-OFF LOAD |
| | | | | | | | |
| | | | | | | | LIFT-OFF LOAD |
| | | | | | | | |

MUESER RUTLEDGE CONSULTING ENGINEERS

TIEBACK NO. 2

PROOF TEST

—●— Anchor Elong. —△— Theo. Max. Elong. —□— Theo. Min. Elong.



MUESER RUTLEDGE CONSULTING ENGINEERS

TIEBACK PROOF TEST DATA

| | | |
|----------------------|-------|-----|
| Tieback NO. | 3 | |
| Initial Dial reading | 0.000 | In. |
| Max. Elongation | 2.970 | In. |
| Min. Elongation | 1.562 | In. |

| | |
|-----------------------|----------|
| Test Load (kips) | 133 |
| Alignment Load (kips) | 5 |
| Tail (ft) | 4 |
| Free length (ft) | 20 |
| Bond length (ft) | 25 |
| Area of Anchor (SI) | 0.651 |
| E of Anchor(ksi) | 2.90E+04 |

RESULTS

| | |
|---------------------|-------|
| Max Elongation (in) | 2.970 |
| Min Elongation (in) | 1.562 |

| Theoretical Elongations | | | Load (Kips) | Dial Reading (In.) | Elongation(In.) |
|-------------------------|------------------|-------|-------------|--------------------|------------------|
| | | | 5 | 0.000 | 0.000 |
| | | | 25 | 0.202 | 0.202 |
| Load (Kips) | Elongation (In.) | | 50 | 0.652 | 0.652 |
| | Max | Min | 75 | 1.108 | 1.108 |
| 5 | 0 | 0 | 100 | 1.611 | 1.611 |
| 133 | 2.970 | 1.562 | 120 | 2.097 | 2.097 |
| | | | 133 | 2.558 | 2.558 |
| | | | 133 | 2.578 | 2.578 |
| | | | | | |

MUESER RUTLEDGE CONSULTING ENGINEERS
TIEBACK PROOF TEST

| | |
|------------------------------|-----------------|
| PROJECT | STUDY AREA 5 |
| LOCATION | JERSEY CITY, NJ |
| CONTRACTOR | MORETRENCH |
| RES. ENGINEER | AC |
| DESIGN LOAD (KIPS) | 100 |
| LOCK-OFF LOAD (KIPS) | 106 |
| TEST LOAD (KIPS) | 133 |
| LIFT-OFF LOAD (KIPS) | 100 |
| LIFT-OFF LD / DSGN LD | 100% |

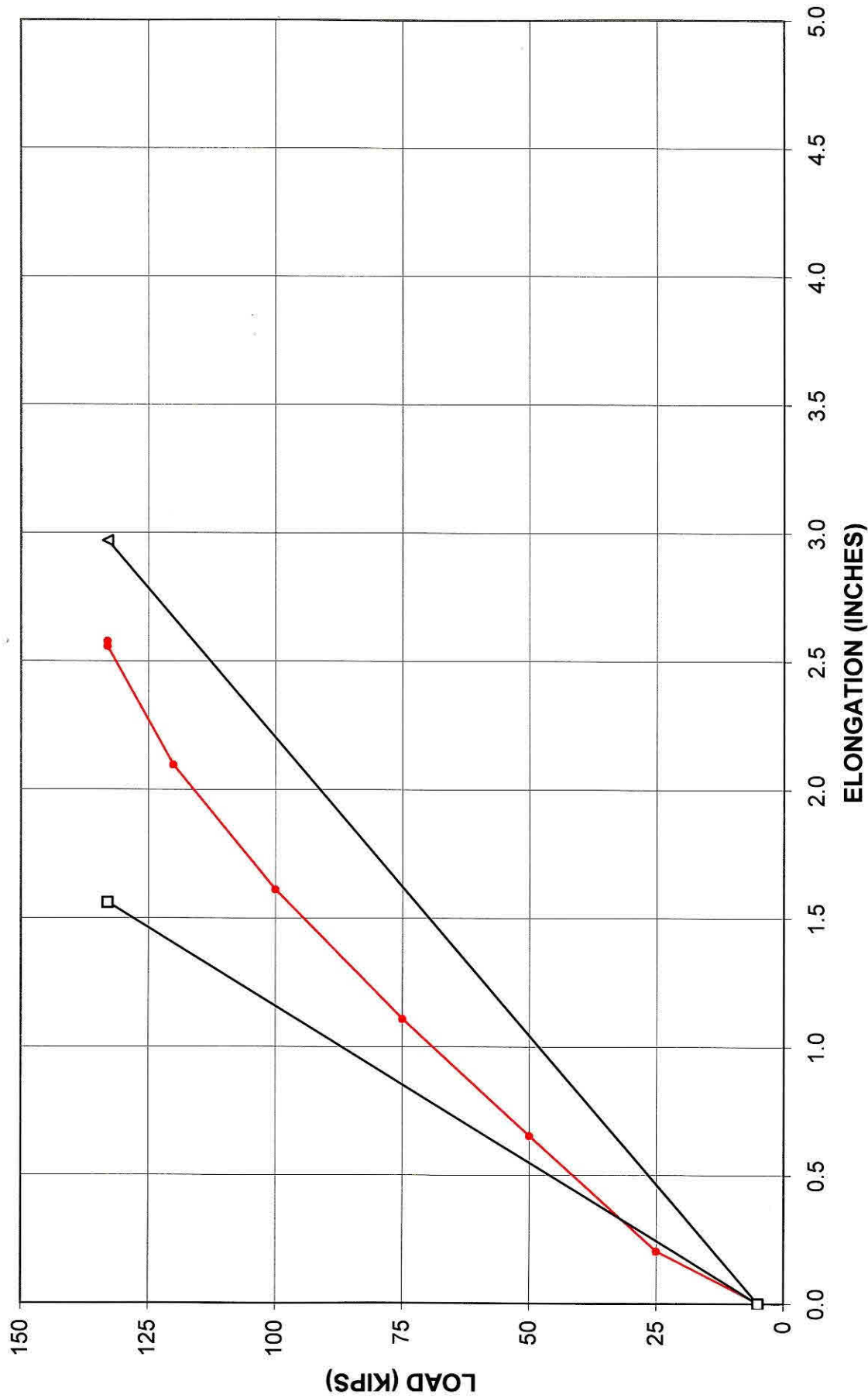
| | |
|-------------------------|----------|
| TIEBACK NO. | 3 |
| FILE | 10962A |
| DATE | 11/29/10 |
| MAX. ELONG. (IN) | 2.970 |
| MIN. ELONG. (IN) | 1.562 |
| GAGE NO. | 3233PG |
| JACK NO. | 3233 |

| LOAD | LOAD (KIPS) | GAGE PRESSURE (PSI) | TIME | HOLD TIME (MIN) | DIAL READING (INCHES) | ELONGATION (INCHES) | COMMENTS |
|-------|----------------|---------------------------|------|-----------------------|-----------------------------|------------------------|-----------------------------|
| AL | 5 | 300 | 1045 | 0 | 0.000 | | ALIGNMENT LOAD |
| .25P | 25 | 925 | 1046 | 0 | 0.202 | | |
| .50P | 50 | 1750 | 1047 | 0 | 0.652 | | |
| .75P | 75 | 2575 | 1047 | 0 | 1.108 | | |
| 1.00P | 100 | 3400 | 1048 | 0 | 1.611 | | DESIGN LOAD |
| 1.25P | 125 | 4075 | 1048 | 0 | 2.097 | | |
| 1.33P | 133 | 4500 | 1049 | 0 | 2.558 | | TEST LOAD |
| | | 4600 | 1050 | 1 | 2.574 | | |
| | | 4600 | 1051 | 2 | 2.574 | | |
| | | 4550 | 1052 | 3 | 2.574 | | |
| | | 4550 | 1053 | 4 | 2.574 | | |
| | | 4550 | 1054 | 5 | 2.574 | | |
| | | 4550 | 1055 | 6 | 2.574 | | |
| | | 4550 | 1059 | 10 | 2.578 | | If elongation between 1 and |
| | | | | | | | 10 minutes > 0.040 inches, |
| | | | | | | | hold additional 50 minutes. |
| | | | | | | | |
| | | | | | | | |
| | 106 | 3600 | 1129 | | | | LOCK-OFF LOAD |
| | | | | | | | |
| | 100 | 3400 | 1200 | | | | LIFT-OFF LOAD |
| | | | | | | | |

MUESER RUTLEDGE CONSULTING ENGINEERS

TIEBACK NO. 3 PROOF TEST

—●— Anchor Elong. —△— Theo. Max. Elong. —□— Theo. Min. Elong.



MUESER RUTLEDGE CONSULTING ENGINEERS

TIEBACK PROOF TEST DATA

| | | |
|----------------------|-------|-----|
| Tieback NO. | 4 | |
| Initial Dial reading | 0.000 | In. |
| Max. Elongation | 2.929 | In. |
| Min. Elongation | 1.530 | In. |

| | |
|-----------------------|----------|
| Test Load (kips) | 133 |
| Alignment Load (kips) | 5 |
| Tail (ft) | 3.5 |
| Free length (ft) | 20 |
| Bond length (ft) | 25 |
| Area of Anchor (SI) | 0.651 |
| E of Anchor(ksi) | 2.90E+04 |

RESULTS

| | |
|---------------------|-------|
| Max Elongation (in) | 2.929 |
| Min Elongation (in) | 1.530 |

| Theoretical Elongations | | | Load (Kips) | Dial Reading (In.) | Elongation(In.) |
|-------------------------|------------------|-------|-------------|--------------------|------------------|
| | | | 5 | 0.000 | 0.000 |
| | Elongation (In.) | | 25 | 0.208 | 0.208 |
| Load (Kips) | Max | Min | 50 | 0.647 | 0.647 |
| 5 | 0 | 0 | 75 | 1.036 | 1.036 |
| 133 | 2.929 | 1.530 | 100 | 1.515 | 1.515 |
| | | | 120 | 1.966 | 1.966 |
| | | | 133 | 2.445 | 2.445 |
| | | | 133 | 2.448 | 2.448 |
| | | | | | |

MUESER RUTLEDGE CONSULTING ENGINEERS
TIEBACK PROOF TEST

| | |
|------------------------------|-----------------|
| PROJECT | STUDY AREA.5 |
| LOCATION | JERSEY CITY, NJ |
| CONTRACTOR | MORETRENCH |
| RES. ENGINEER | AC |
| DESIGN LOAD (KIPS) | 100 |
| LOCK-OFF LOAD (KIPS) | 106 |
| TEST LOAD (KIPS) | 133 |
| LIFT-OFF LOAD (KIPS) | 100 |
| LIFT-OFF LD / DSGN LD | 100% |

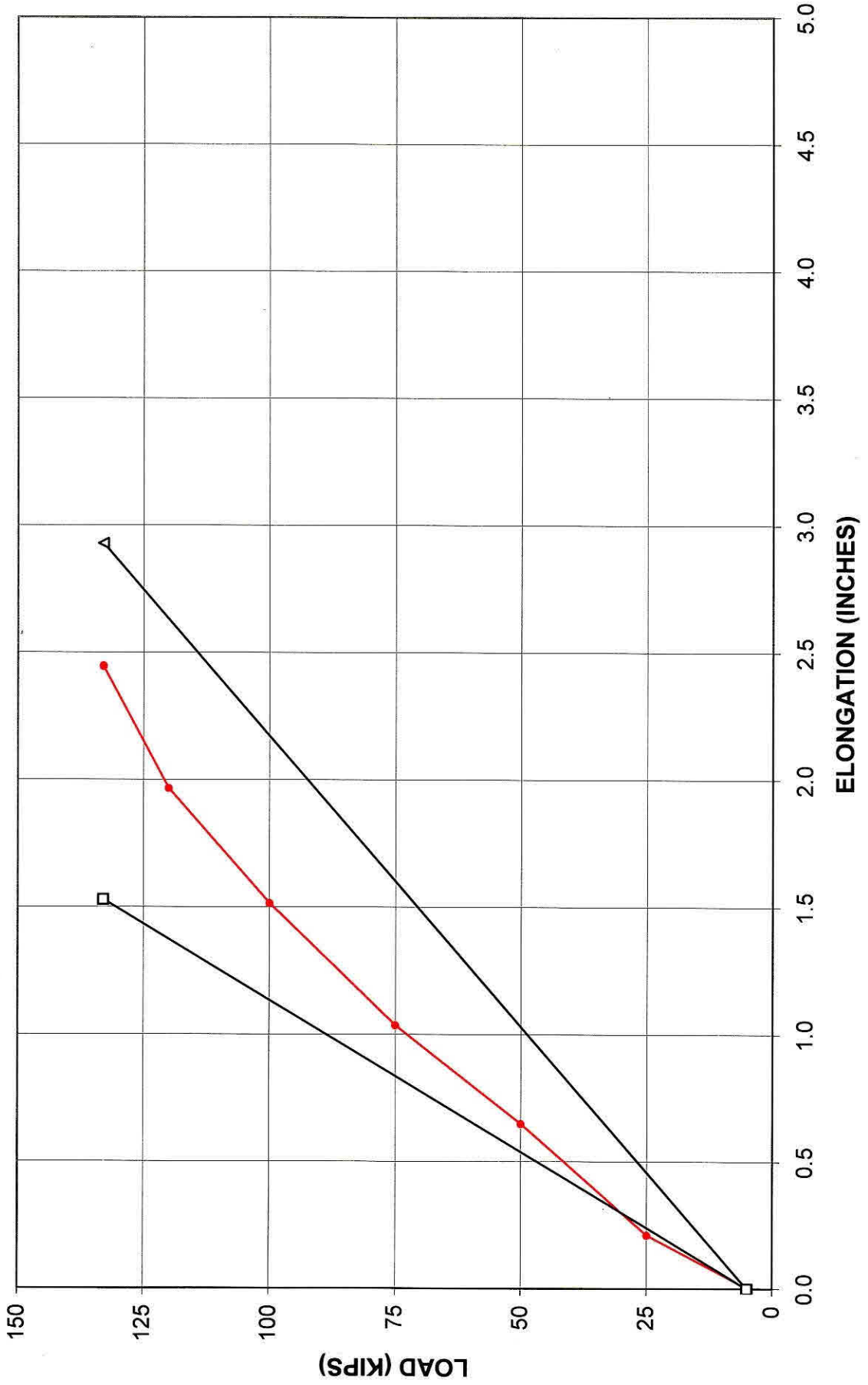
| | |
|-------------------------|----------|
| TIEBACK NO. | 4 |
| FILE | 10962A |
| DATE | 11/29/10 |
| MAX. ELONG. (IN) | 2.929 |
| MIN. ELONG. (IN) | 1.530 |
| GAGE NO. | 3233PG |
| JACK NO. | 3233 |

| LOAD | LOAD (KIPS) | GAGE PRESSURE (PSI) | TIME | HOLD TIME (MIN) | DIAL READING (INCHES) | ELONGATION (INCHES) | COMMENTS |
|-------|----------------|---------------------------|------|-----------------------|-----------------------------|------------------------|-----------------------------|
| AL | 5 | 300 | 755 | 0 | 0.000 | | ALIGNMENT LOAD |
| .25P | 25 | 925 | 756 | 0 | 0.208 | | |
| .50P | 50 | 1750 | 757 | 0 | 0.647 | | |
| .75P | 75 | 2575 | 758 | 0 | 1.036 | | |
| 1.00P | 100 | 3400 | 758 | 0 | 1.515 | | DESIGN LOAD |
| 1.20P | 120 | 4075 | 759 | 0 | 1.966 | | |
| 1.33P | 133 | 4600 | 800 | 0 | 2.445 | | TEST LOAD |
| | | 4600 | 801 | 1 | 2.445 | | |
| | | 4600 | 802 | 2 | 2.445 | | |
| | | 4600 | 803 | 3 | 2.445 | | |
| | | 4550 | 804 | 4 | 2.445 | | |
| | | 4550 | 805 | 5 | 2.445 | | |
| | | 4550 | 806 | 6 | 2.445 | | |
| | | 4600 | 810 | 10 | 2.448 | | If elongation between 1 and |
| | | | | | | | 10 minutes > 0.040 inches, |
| | | | | | | | hold additional 50 minutes. |
| | | | | | | | |
| | 106 | 3600 | 829 | | | | LOCK-OFF LOAD |
| | | | | | | | |
| | 100 | 3400 | 830 | | | | LIFT-OFF LOAD |
| | | | | | | | |

MUESER RUTLEDGE CONSULTING ENGINEERS

TIEBACK NO. 4 PROOF TEST

—●— Anchor Elong. —△— Theo. Max. Elong. —□— Theo. Min. Elong.



MUESER RUTLEDGE CONSULTING ENGINEERS

TIEBACK PROOF TEST DATA

| | |
|-----------------------------|-----------|
| Tieback NO. | 5 |
| Initial Dial reading | 0.000 In. |
| Max. Elongation | 2.970 In. |
| Min. Elongation | 1.562 In. |

| | |
|-----------------------|----------|
| Test Load (kips) | 133 |
| Alignment Load (kips) | 5 |
| Tail (ft) | 4 |
| Free length (ft) | 20 |
| Bond length (ft) | 25 |
| Area of Anchor (SI) | 0.651 |
| E of Anchor(ksi) | 2.90E+04 |

RESULTS

| | |
|----------------------------|-------|
| Max Elongation (in) | 2.970 |
| Min Elongation (in) | 1.562 |

| Theoretical Elongations | | | Load (Kips) | Dial Reading (In.) | Elongation(In.) |
|-------------------------|-------------------------|------------|-------------|--------------------|------------------|
| | | | 5 | 0.000 | 0.000 |
| | | | 25 | 0.199 | 0.199 |
| Load (Kips) | Elongation (In.) | | 50 | 0.656 | 0.656 |
| | Max | Min | 75 | 1.114 | 1.114 |
| 5 | 0 | 0 | 100 | 1.575 | 1.575 |
| 133 | 2.970 | 1.562 | 120 | 2.034 | 2.034 |
| | | | 133 | 2.467 | 2.467 |
| | | | 133 | 2.490 | 2.490 |
| | | | | | |

MUESER RUTLEDGE CONSULTING ENGINEERS
TIEBACK PROOF TEST

| | |
|------------------------------|-----------------|
| PROJECT | STUDY AREA 5 |
| LOCATION | JERSEY CITY, NJ |
| CONTRACTOR | MORETRENCH |
| RES. ENGINEER | AC |
| DESIGN LOAD (KIPS) | 100 |
| LOCK-OFF LOAD (KIPS) | 135 |
| TEST LOAD (KIPS) | 133 |
| LIFT-OFF LOAD (KIPS) | 103 |
| LIFT-OFF LD / DSGN LD | 103% |

| | |
|-------------------------|----------|
| TIEBACK NO. | 6 |
| FILE | 10962A |
| DATE | 11/29/10 |
| MAX. ELONG. (IN) | 2.970 |
| MIN. ELONG. (IN) | 1.562 |
| GAGE NO. | 3233PG |
| JACK NO. | 3233 |

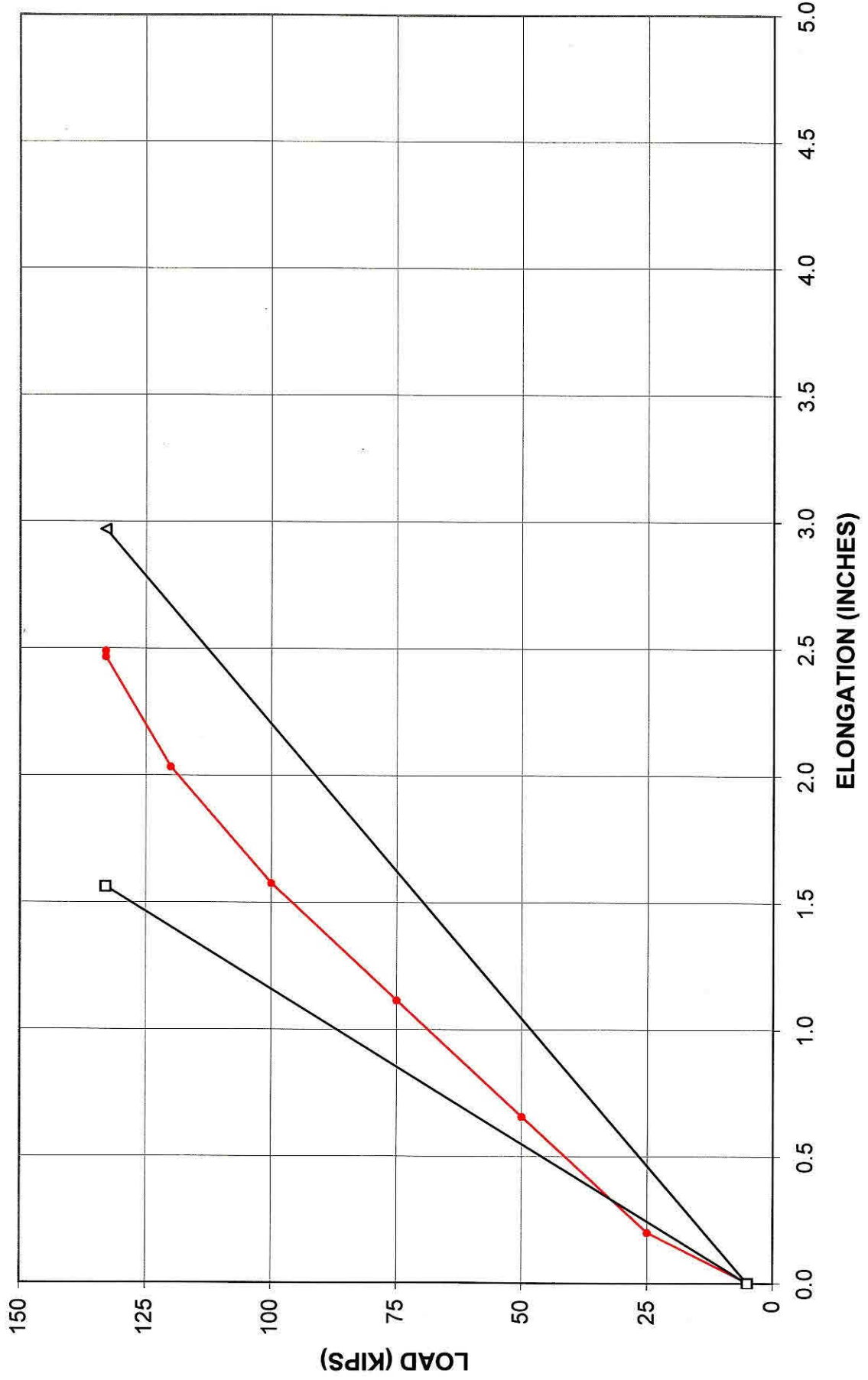
| LOAD | LOAD (KIPS) | GAGE PRESSURE (PSI) | TIME | HOLD TIME (MIN) | DIAL READING (INCHES) | ELONGATION (INCHES) | COMMENTS |
|-------|----------------|---------------------------|------|-----------------------|---|------------------------|-----------------------------|
| AL | 5 | 300 | 1513 | 0 | 0.000 | | ALIGNMENT LOAD |
| .25P | 25 | 925 | 1514 | 0 | 0.199 | | |
| .50P | 50 | 1750 | 1514 | 0 | 0.656 | | |
| .75P | 75 | 2575 | 1515 | 0 | 1.114 | | |
| 1.00P | 100 | 3400 | 1516 | 0 | 1.575 | | DESIGN LOAD |
| 1.20P | 120 | 4075 | 1517 | 0 | 2.034 | | |
| 1.33P | 133 | 4600 | 1518 | 0 | 2.467 | | TEST LOAD |
| | | 4600 | 1519 | 1 | 2.490 | | |
| | | 4600 | 1520 | 2 | 2.490 | | |
| | | 4550 | 1521 | 3 | 2.490 | | |
| | | 4550 | 1522 | 4 | 2.490 | | |
| | | 4500 | 1523 | 5 | 2.490 | | |
| | | 4500 | 1524 | 6 | 2.490 | | |
| | | 4500 | 1528 | 10 | 2.490 | | If elongation between 1 and |
| | | | | | | | 10 minutes > 0.040 inches, |
| | | | | | | | hold additional 50 minutes. |
| | | | | | | | |
| | 135 | 4500 | 1543 | | Note 1: Attempted lock-off pressures of 3600 psi and 4000 psi with unsuccessful lift-offs | | LOCK-OFF LOAD |
| | | | | | | | |
| | 103 | 3500 | 1544 | | | | LIFT-OFF LOAD |
| | | | | | | | |

MUESER RUTLEDGE CONSULTING ENGINEERS

TIEBACK NO. 5

PROOF TEST

—●— Anchor Elong. —△— Theo. Max. Elong. —□— Theo. Min. Elong.



MUESER RUTLEDGE CONSULTING ENGINEERS

TIEBACK PROOF TEST DATA

| | | |
|----------------------|-------|-----|
| Tieback NO. | 6 | |
| Initial Dial reading | 0.000 | In. |
| Max. Elongation | 2.970 | In. |
| Min. Elongation | 1.562 | In. |

| | |
|-----------------------|----------|
| Test Load (kips) | 133 |
| Alignment Load (kips) | 5 |
| Tail (ft) | 4 |
| Free length (ft) | 20 |
| Bond length (ft) | 25 |
| Area of Anchor (SI) | 0.651 |
| E of Anchor(ksi) | 2.90E+04 |

RESULTS

| | |
|---------------------|-------|
| Max Elongation (in) | 2.970 |
| Min Elongation (in) | 1.562 |

| Theoretical Elongations | | | Load (Kips) | Dial Reading (In.) | Elongation(In.) |
|-------------------------|------------------|-------|-------------|--------------------|------------------|
| | | | 5 | 0.000 | 0.000 |
| | | | 25 | 0.193 | 0.193 |
| | | | 50 | 0.682 | 0.682 |
| | | | 75 | 1.140 | 1.140 |
| | | | 100 | 1.760 | 1.760 |
| | | | 120 | 2.312 | 2.312 |
| | | | 133 | 2.898 | 2.898 |
| | | | 133 | 2.898 | 2.898 |
| | | | | | |
| Load (Kips) | Elongation (In.) | | | | |
| | Max | Min | | | |
| 5 | 0 | 0 | | | |
| 133 | 2.970 | 1.562 | | | |

MUESER RUTLEDGE CONSULTING ENGINEERS
TIEBACK PROOF TEST

| | |
|------------------------------|-----------------|
| PROJECT | STUDY AREA 5 |
| LOCATION | JERSEY CITY, NJ |
| CONTRACTOR | MORETRENCH |
| RES. ENGINEER | AC |
| DESIGN LOAD (KIPS) | 100 |
| LOCK-OFF LOAD (KIPS) | 135 |
| TEST LOAD (KIPS) | 133 |
| LIFT-OFF LOAD (KIPS) | 103 |
| LIFT-OFF LD / DSGN LD | 103% |

| | |
|-------------------------|----------|
| TIEBACK NO. | 6 |
| FILE | 10962A |
| DATE | 11/29/10 |
| MAX. ELONG. (IN) | 2.970 |
| MIN. ELONG. (IN) | 1.562 |
| GAGE NO. | 3233PG |
| JACK NO. | 3233 |

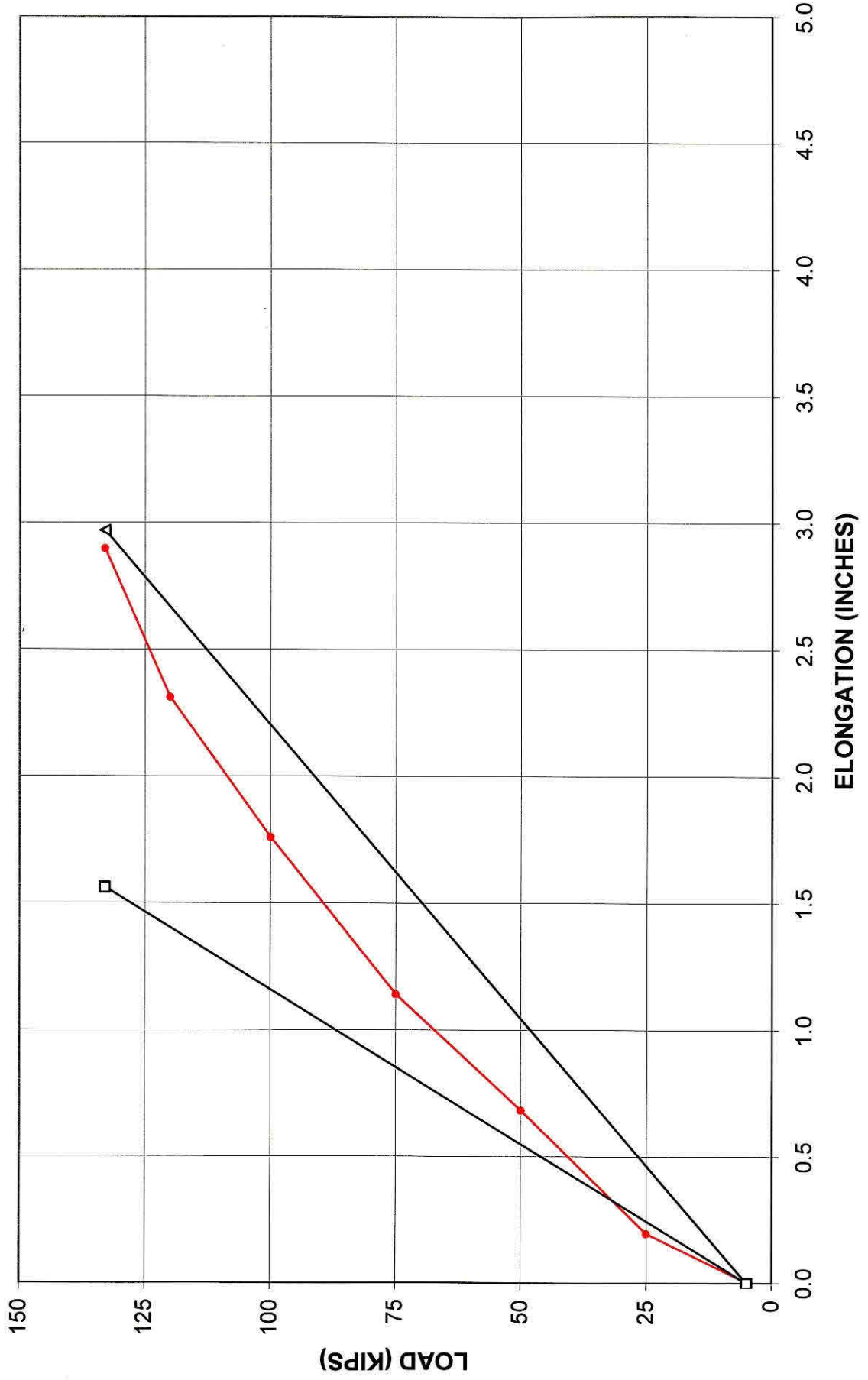
| LOAD | LOAD (KIPS) | GAGE PRESSURE (PSI) | TIME | HOLD TIME (MIN) | DIAL READING (INCHES) | ELONGATION (INCHES) | COMMENTS |
|-------|----------------|---------------------------|------|-----------------------|---|------------------------|-----------------------------|
| AL | 5 | 300 | 1513 | 0 | 0.000 | | ALIGNMENT LOAD |
| .25P | 25 | 925 | 1514 | 0 | 0.199 | | |
| .50P | 50 | 1750 | 1514 | 0 | 0.656 | | |
| .75P | 75 | 2575 | 1515 | 0 | 1.114 | | |
| 1.00P | 100 | 3400 | 1516 | 0 | 1.575 | | DESIGN LOAD |
| 1.20P | 120 | 4075 | 1517 | 0 | 2.034 | | |
| 1.33P | 133 | 4600 | 1518 | 0 | 2.467 | | TEST LOAD |
| | | 4600 | 1519 | 1 | 2.490 | | |
| | | 4600 | 1520 | 2 | 2.490 | | |
| | | 4550 | 1521 | 3 | 2.490 | | |
| | | 4550 | 1522 | 4 | 2.490 | | |
| | | 4500 | 1523 | 5 | 2.490 | | |
| | | 4500 | 1524 | 6 | 2.490 | | |
| | | 4500 | 1528 | 10 | 2.490 | | If elongation between 1 and |
| | | | | | | | 10 minutes > 0.040 inches, |
| | | | | | | | hold additional 50 minutes. |
| | | | | | | | |
| | 135 | 4500 | 1543 | | Note 1: Attempted lock-off pressures of 3600 psi and 4000 psi with unsuccessful lift-offs | | LOCK-OFF LOAD |
| | | | | | | | |
| | 103 | 3500 | 1544 | | | | LIFT-OFF LOAD |
| | | | | | | | |

MUESER RUTLEDGE CONSULTING ENGINEERS

TIEBACK NO. 6

PROOF TEST

—●— Anchor Elong. —△— Theo. Max. Elong. —□— Theo. Min. Elong.



MUESER RUTLEDGE CONSULTING ENGINEERS

TIEBACK PROOF TEST DATA

| | |
|----------------------|-----------|
| Tieback NO. | 7 |
| Initial Dial reading | 0.000 In. |
| Max. Elongation | 3.324 In. |
| Min. Elongation | 1.538 In. |

| | |
|-----------------------|----------|
| Test Load (kips) | 173 |
| Alignment Load (kips) | 5 |
| Tail (ft) | 4 |
| Free length (ft) | 20 |
| Bond length (ft) | 35 |
| Area of Anchor (SI) | 0.868 |
| E of Anchor(ksi) | 2.90E+04 |

RESULTS

| | |
|---------------------|-------|
| Max Elongation (in) | 3.324 |
| Min Elongation (in) | 1.538 |

| Theoretical Elongations | | | Load (Kips) | Dial Reading (In.) | Elongation(In.) |
|-------------------------|------------------|-------|-------------|--------------------|------------------|
| | | | 5 | 0.000 | 0.000 |
| | Elongation (In.) | | 32.5 | 0.288 | 0.288 |
| Load (Kips) | Max | Min | 65 | 0.717 | 0.717 |
| 5 | 0 | 0 | 97.5 | 1.202 | 1.202 |
| 173 | 3.324 | 1.538 | 130 | 1.719 | 1.719 |
| | | | 156 | 2.225 | 2.225 |
| | | | 173 | 2.773 | 2.773 |
| | | | 173 | 2.808 | 2.808 |
| | | | | | |

MUESER RUTLEDGE CONSULTING ENGINEERS
TIEBACK PROOF TEST

| | |
|------------------------------|-----------------|
| PROJECT | STUDY AREA 5 |
| LOCATION | JERSEY CITY, NJ |
| CONTRACTOR | MORETRENCH |
| RES. ENGINEER | AC |
| DESIGN LOAD (KIPS) | 130 |
| LOCK-OFF LOAD (KIPS) | 136 |
| TEST LOAD (KIPS) | 133 |
| LIFT-OFF LOAD (KIPS) | 132 |
| LIFT-OFF LD / DSGN LD | 102% |

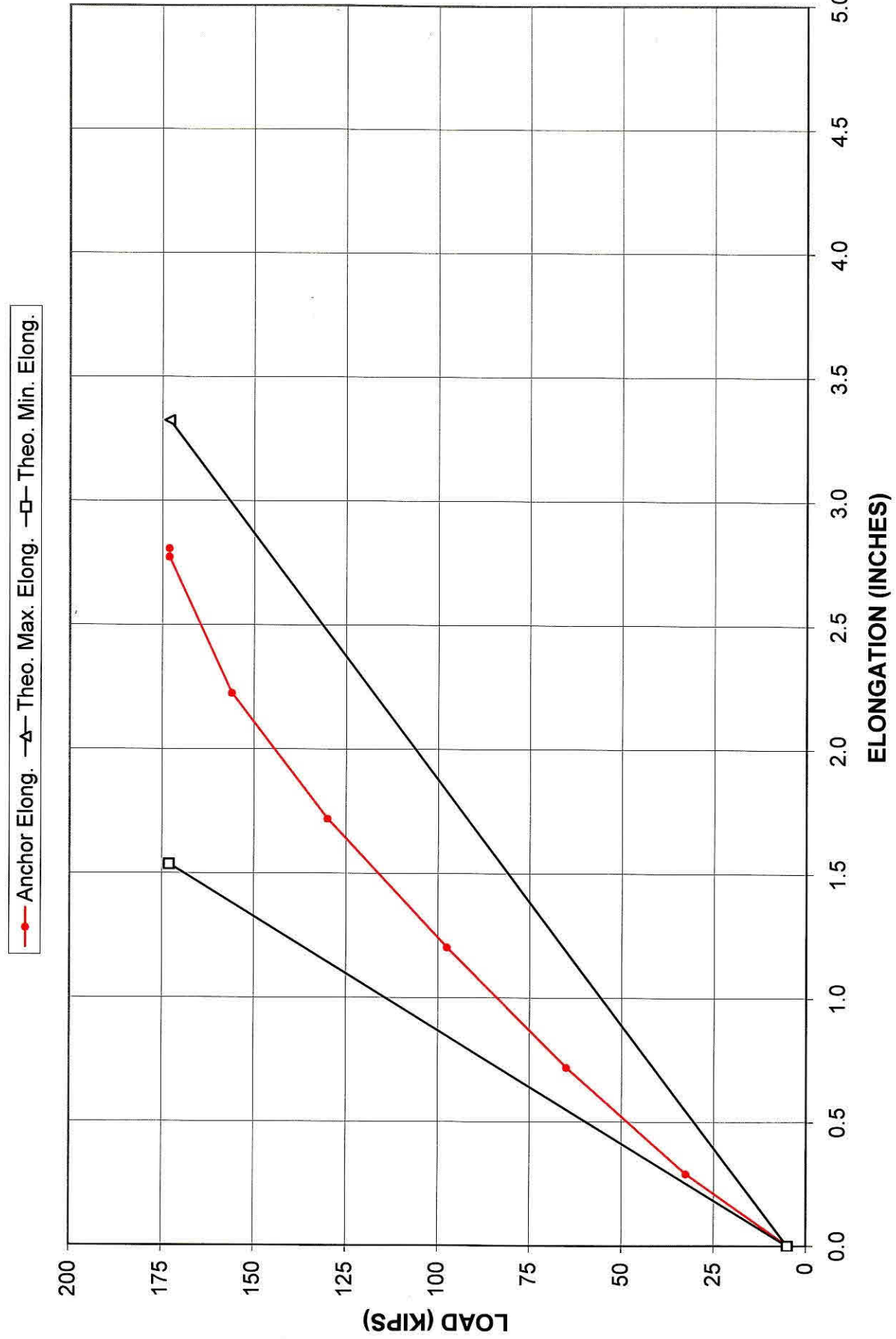
| | |
|-------------------------|----------|
| TIEBACK NO. | 7 |
| FILE | 10962A |
| DATE | 11/29/10 |
| MAX. ELONG. (IN) | 3.324 |
| MIN. ELONG. (IN) | 1.538 |
| GAGE NO. | 3233PG |
| JACK NO. | 3233 |

| LOAD | LOAD (KIPS) | GAGE PRESSURE (PSI) | TIME | HOLD TIME (MIN) | DIAL READING (INCHES) | ELONGATION (INCHES) | COMMENTS |
|-------|----------------|---------------------------|------|-----------------------|-----------------------------|------------------------|-----------------------------|
| AL | 5 | 300 | 1555 | 0 | 0.000 | | ALIGNMENT LOAD |
| .25P | 32.5 | 1175 | 1556 | 0 | 0.288 | | |
| .50P | 65 | 2250 | 1556 | 0 | 0.717 | | |
| .75P | 97.5 | 3325 | 1557 | 0 | 1.202 | | |
| 1.00P | 130 | 4400 | 1558 | 0 | 1.719 | | DESIGN LOAD |
| 1.20P | 156 | 5250 | 1558 | 0 | 2.225 | | |
| 1.33P | 173 | 5825 | 1559 | 0 | 2.773 | | TEST LOAD |
| | | 6000 | 1600 | 1 | 2.808 | | |
| | | 5950 | 1601 | 2 | 2.808 | | |
| | | 5900 | 1602 | 3 | 2.808 | | |
| | | 5900 | 1603 | 4 | 2.808 | | |
| | | 5950 | 1604 | 5 | 2.808 | | |
| | | 5950 | 1605 | 6 | 2.808 | | |
| | | 5950 | 1609 | 10 | 2.808 | | If elongation between 1 and |
| | | | | | | | 10 minutes > 0.040 inches, |
| | | | | | | | hold additional 50 minutes. |
| | | | | | | | |
| | | | | | | | |
| | 136 | 4600 | 1615 | | | | LOCK-OFF LOAD |
| | | | | | | | |
| | 132 | 4450 | 1616 | | | | LIFT-OFF LOAD |
| | | | | | | | |

MUESER RUTLEDGE CONSULTING ENGINEERS

TIEBACK NO. 7

PROOF TEST



PROOF TEST

| | |
|-----------------------|-----------------|
| PROJECT | STUDY AREA 5 |
| LOCATION | JERSEY CITY, NJ |
| CONTRACTOR | MORETRENCH |
| RES. ENGINEER | GP |
| DESIGN LOAD (KIPS) | 100 |
| LOCK-OFF LOAD (KIPS) | |
| TEST LOAD (KIPS) | 133 |
| LIFT-OFF LOAD (KIPS) | |
| LIFT-OFF LD / DSGN LD | |

| | |
|------------------|----------|
| TIEBACK NO. | 01 |
| FILE | |
| DATE | 12/66/10 |
| MAX. ELONG. (IN) | |
| MIN. ELONG. (IN) | |
| GAGE NO. | 3233 PG |
| JACK NO. | 3233 |

| LOAD | LOAD (KIPS) | GAGE PRESSURE (PSI) | TIME | HOLD TIME (MIN) | DIAL READING (INCHES) | ELONGATION (INCHES) | COMMENTS |
|-------|----------------|---------------------------|-------|-----------------------|-----------------------------|------------------------|-----------------------------|
| AL | 6.5 | 300 | 09:40 | 0 | 0.000 | | ALIGNMENT LOAD |
| .25P | 25 | 925 | 09:43 | 0 | 0.250 | | |
| .50P | 50 | 1750 | 09:44 | 0 | 0.738 | | |
| .75P | 75 | 2575 | 09:45 | 0 | 1.245 | | |
| 1.00P | 100 | 3400 | 09:46 | 0 | 1.762 | | DESIGN LOAD |
| 1.25P | 125 | 4075 | 09:47 | 0 | 2.266 | | |
| 1.33P | 133 | 4500 | 09:48 | 0 | 2.720 | | TEST LOAD |
| | | 4650 | 09:49 | 1 | 2.734 | | |
| | | 4650 | 09:50 | 2 | 2.734 | | |
| | | 4650 | 09:51 | 3 | 2.734 | | |
| | | 4650 | 09:52 | 4 | 2.734 | | |
| | | 4600 | 09:53 | 5 | 2.734 | | |
| | | 4600 | 09:54 | 6 | 2.734 | | |
| | | 4600 | 09:58 | 10 | 2.734 | | If elongation between 1 and |
| | | | | | | | 10 minutes > 0.040 inches, |
| | | | | | | | hold additional 50 minutes. |
| | | | | | | | |
| | | | | | | | |
| | | 3450 | 10:12 | | | | LOCK-OFF LOAD |
| | | | | | | | |
| | | 3400 | | | | | LIFT-OFF LOAD |
| | | | | | | | |

PROOF TEST

| | |
|-----------------------|-----------------|
| PROJECT | STUDY AREA 5 |
| LOCATION | JERSEY CITY, NJ |
| CONTRACTOR | MORETRENCH |
| RES. ENGINEER | GP |
| DESIGN LOAD (KIPS) | 100 |
| LOCK-OFF LOAD (KIPS) | |
| TEST LOAD (KIPS) | 133 |
| LIFT-OFF LOAD (KIPS) | |
| LIFT-OFF LD / DSGN LD | |

| | |
|------------------|----------|
| TIEBACK NO. | 02 |
| FILE | |
| DATE | 12/06/10 |
| MAX. ELONG. (IN) | |
| MIN. ELONG. (IN) | |
| GAGE NO. | 3233 PG |
| JACK NO. | 3233 |

| LOAD | LOAD (KIPS) | GAGE PRESSURE (PSI) | TIME | HOLD TIME (MIN) | DIAL READING (INCHES) | ELONGATION (INCHES) | COMMENTS |
|-------|----------------|---------------------------|-------|-----------------------|-----------------------------|------------------------|-----------------------------|
| AL | 6.5 | 300 | 10:18 | 0 | 0.000 | | ALIGNMENT LOAD |
| .25P | 25 | 925 | 10:19 | 0 | 0.225 | | |
| .50P | 50 | 1750 | 10:20 | 0 | 0.753 | | |
| .75P | 75 | 2575 | 10:21 | 0 | 1.209 | | |
| 1.00P | 100 | 3400 | 10:21 | 0 | 1.765 | | DESIGN LOAD |
| 1.25P | 125 | 4075 | 10:23 | 0 | 2.275 | | |
| 1.33P | 133 | 4500 | 10:24 | 0 | 2.774 | | TEST LOAD |
| | | | 10:25 | 1 | 2.794 | | |
| | | | 10:26 | 2 | 2.794 | | |
| | | | 10:27 | 3 | 2.794 | | |
| | | | 10:28 | 4 | 2.795 | | |
| | | | 10:29 | 5 | 2.795 | | |
| | | | 10:30 | 6 | 2.795 | | |
| | | | 10:34 | 10 | 2.795 | | |
| | | | | | | | If elongation between 1 and |
| | | | | | | | 10 minutes > 0.040 inches, |
| | | | | | | | hold additional 50 minutes. |
| | | | | | | | |
| | | 3400 | 10:37 | | | | LOCK-OFF LOAD |
| | | | | | | | |
| | | 3400 | | | | | LIFT-OFF LOAD |
| | | | | | | | |

PROOF TEST

| | |
|-----------------------|-----------------|
| PROJECT | STUDY AREA 5 |
| LOCATION | JERSEY CITY, NJ |
| CONTRACTOR | MORETRENCH |
| RES. ENGINEER | GP |
| DESIGN LOAD (KIPS) | 130 |
| LOCK-OFF LOAD (KIPS) | |
| TEST LOAD (KIPS) | 173 |
| LIFT-OFF LOAD (KIPS) | |
| LIFT-OFF LD / DSGN LD | |

| | |
|------------------|----------|
| TIEBACK NO. | 08 |
| FILE | |
| DATE | 12/06/10 |
| MAX. ELONG. (IN) | |
| MIN. ELONG. (IN) | |
| GAGE NO. | 3233 PG |
| JACK NO. | 3233 |

| LOAD | LOAD (KIPS) | GAGE PRESSURE (PSI) | TIME | HOLD TIME (MIN) | DIAL READING (INCHES) | ELONGATION (INCHES) | COMMENTS |
|-------|----------------|---------------------------|-------|-----------------------|-----------------------------|------------------------|-----------------------------|
| AL | 6.5 | 300 | 07:30 | 0 | 0.000 | | ALIGNMENT LOAD |
| .25P | 32.5 | 1175 | 07:32 | 0 | 0.629 | | |
| .50P | 65 | 2250 | 07:33 | 0 | 1.255 | | |
| .75P | 97.5 | 3325 | 07:35 | 0 | 1.852 | | |
| 1.00P | 130 | 4400 | 07:36 | 0 | 2.319 | | DESIGN LOAD |
| 1.25P | 156 | 5250 | 07:37 | 0 | 2.800 | | |
| 1.33P | 173 | 5825 | 07:38 | 0 | 3.431 | | TEST LOAD |
| | | | 07:39 | 1 | 3.444 | | |
| | | | 07:40 | 2 | 3.444 | | |
| | | | 07:41 | 3 | 3.445 | | |
| | | | 07:42 | 4 | 3.445 | | |
| | | | 07:43 | 5 | 3.445 | | |
| | | | 07:44 | 6 | 3.446 | | |
| | | | 07:49 | 10 | 3.446 | | If elongation between 1 and |
| | | | | | | | 10 minutes > 0.040 inches, |
| | | | | | | | hold additional 50 minutes. |
| | | | | | | | |
| | | | | | | | |
| | | 4500 | 07:52 | | | | LOCK-OFF LOAD |
| | | | | | | | |
| | | 4400 | 07:54 | | | | LIFT-OFF LOAD |
| | | | | | | | |

PROOF TEST

| | |
|-----------------------|-----------------|
| PROJECT | STUDY AREA 5 |
| LOCATION | JERSEY CITY, NJ |
| CONTRACTOR | MORETRENCH |
| RES. ENGINEER | GP |
| DESIGN LOAD (KIPS) | 130 |
| LOCK-OFF LOAD (KIPS) | |
| TEST LOAD (KIPS) | 173 |
| LIFT-OFF LOAD (KIPS) | |
| LIFT-OFF LD / DSGN LD | |

| | |
|------------------|----------|
| TIEBACK NO. | 09 |
| FILE | |
| DATE | 12/66/16 |
| MAX. ELONG. (IN) | |
| MIN. ELONG. (IN) | |
| GAGE NO. | 3233P6 |
| JACK NO. | 3233 |

| LOAD | LOAD (KIPS) | GAGE PRESSURE (PSI) | TIME | HOLD TIME (MIN) | DIAL READING (INCHES) | ELONGATION (INCHES) | COMMENTS |
|-------|-------------|---------------------|-------|-----------------|-----------------------|---------------------|--|
| AL | 6.5 | 300 | 11:46 | 0 | 0.000 | | ALIGNMENT LOAD |
| .25P | 32.5 | 1175 | 11:47 | 0 | 0.295 | | |
| .50P | 65 | 2250 | 11:48 | 0 | 0.870 | | |
| .75P | 97.5 | 3325 | 11:48 | 0 | 1.428 | | |
| 1.00P | 130 | 4400 | 11:49 | 0 | 2.068 | | DESIGN LOAD |
| 1.25P | 156 | 5250 | 11:50 | 0 | 2.615 | | |
| 1.33P | 173 | 5825 | 11:52 | 0 | 3.185 | | TEST LOAD |
| | | 5900 | 11:53 | 1 | 3.226 | | |
| | | 5900 | 11:54 | 2 | 3.226 | | |
| | | 5900 | 11:55 | 3 | 3.226 | | |
| | | 5900 | 11:56 | 4 | 3.226 | | |
| | | 5900 | 11:57 | 5 | 3.225 | | |
| | | 5900 | 11:58 | 6 | 3.225 | | |
| | | 5900 | 12:02 | 10 | 3.225 | | If elongation between 1 and 10 minutes > 0.040 inches, hold additional 50 minutes. |
| | | | | | | | |
| | | 4550 | 12:06 | | | | LOCK-OFF LOAD |
| | | | | | | | |
| | | 4450 | 12:08 | | | | LIFT-OFF LOAD |
| | | | | | | | |

PERFORMANCE TEST

PROJECT _____ STUDY AREA 5
 LOCATION _____ JERSEY CITY, NJ
 CONTRACTOR _____ MORETRENCH
 RES. ENGINEER _____
 DESIGN LOAD (KIPS) _____ 130
 TEST LOAD (KIPS) _____ 173
 LIFT-OFF LOAD (KIPS) _____
 LIFT-OFF LD / DSGN LD _____

THEBACK NO. 10
 FILE _____
 DATE 12/06/10
 MAX. ELONGATION (IN) _____
 MIN. ELONGATION (IN) _____
 JACK NO. 3233
 GAGE NO. 3233PG

| LOAD | LOAD (KIPS) | GAGE PRESSURE (PSI) | TIME | HOLD TIME (MIN) | DIAL READING (INCHES) | ELONGATION (INCHES) | COMMENTS |
|-------|-------------|---------------------|------|-----------------|-----------------------|---------------------|----------------|
| AL | 5 | 300 | 1232 | 0 | 0.000 | | ALIGNMENT LOAD |
| .25P | 32.5 | 1175 | 1232 | 0 | 0.166 | | |
| | | | | | | | |
| AL | 5 | 300 | 1233 | 0 | 0.000 | | |
| .25P | 32.5 | 1175 | 1233 | 0 | 0.180 | | |
| .50P | 65 | 2250 | 1233 | 0 | 0.460 | | |
| | | | | | | | |
| AL | 5 | 300 | 1235 | 0 | 0.004 | | |
| .25P | 32.5 | 1175 | 1235 | 0 | 0.186 | | |
| .50P | 65 | 2250 | 1236 | 0 | 0.469 | | |
| .75P | 97.5 | 3325 | 1236 | 0 | 0.774 | | |
| | | | | | | | |
| AL | 5 | 300 | 1237 | 0 | 0.038 | | |
| .25P | 32.5 | 1175 | 1238 | 0 | 0.195 | | |
| .50P | 65 | 2250 | 1238 | 0 | 0.531 | | |
| .75P | 97.5 | 3325 | 1238 | 0 | 0.821 | | |
| 1.00P | 130 | 4400 | 1239 | 0 | 1.238 | | |
| | | | | | | | |

PERFORMANCE TEST

| | |
|-----------------------|-----------------|
| PROJECT | STUDY AREA 5 |
| LOCATION | JERSEY CITY, NJ |
| CONTRACTOR | MORETRENCH |
| RES. ENGINEER | |
| DESIGN LOAD (KIPS) | 130 |
| TEST LOAD (KIPS) | 173 |
| LIFT-OFF LOAD (KIPS) | |
| LIFT-OFF LD / DSGN LD | |

TIEBACK NO. 10
FILE _____
DATE 12/06/10
CONGATION (IN) _____
CONGATION (IN) _____
JACK NO. 3233
GAGE NO. 3235PG

[illegible]

PERFORMANCE TEST

PROJECT _____ STUDY AREA 5
 LOCATION _____ JERSEY CITY, NJ
 CONTRACTOR _____ MORETRENCH
 RES. ENGINEER _____
 DESIGN LOAD (KIPS) _____ 130
 TEST LOAD (KIPS) _____ 173
 LIFT-OFF LOAD (KIPS) _____
 LIFT-OFF LD / DSGN LD _____

TIEBACK NO. 10
 FILE _____
 DATE 12/06/10
 MAX. ELONGATION (IN) _____
 MIN. ELONGATION (IN) _____
 JACK NO. 3233
 GAGE NO. 3233 P6

| LOAD | LOAD (KIPS) | GAGE PRESSURE (PSI) | TIME | HOLD TIME (MIN) | DIAL READING (INCHES) | ELONGATION (INCHES) | COMMENTS |
|-------|----------------|---------------------------|-------|-----------------------|-----------------------------|------------------------|-----------------------------|
| 1.33P | 173 | 5825/5900 | 12:53 | 0 | 2.354 | | TEST LOAD |
| | | 5900 | 12:54 | 1 | 2.378 | | |
| | | 5900 | 12:55 | 2 | 2.378 | | |
| | | 5800 | 12:56 | 3 | 2.378 | | |
| | | 5800 | 12:57 | 4 | 2.378 | | |
| | | 5800 | 12:58 | 5 | 2.378 | | |
| | | 5800 | 12:59 | 6 | 2.379 | | |
| | | 5800 | 13:03 | 10 | 2.379 | | If elongation between 1 and |
| | | | | | 0.631 | A | 10 minutes > 0.04 inches, |
| | | | | | | | hold additional 40 minutes. |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | 4400 | 13:07 | | | | LOCK-OFF LOAD 4400 |
| | | | | | | | |
| | | 4400 | 13:08 | | | | LIFT-OFF LOAD 4400 |
| | | | | | | | |

PROOF TEST

| | |
|-----------------------|-----------------|
| PROJECT | STUDY AREA 5 |
| LOCATION | JERSEY CITY, NJ |
| CONTRACTOR | MORETRENCH |
| RES. ENGINEER | |
| DESIGN LOAD (KIPS) | 130 |
| LOCK-OFF LOAD (KIPS) | |
| TEST LOAD (KIPS) | 173 |
| LIFT-OFF LOAD (KIPS) | |
| LIFT-OFF LD / DSGN LD | |

| | |
|------------------|----------|
| TIEBACK NO. | 11 |
| FILE | |
| DATE | 12/06/10 |
| MAX. ELONG. (IN) | |
| MIN. ELONG. (IN) | |
| GAGE NO. | 3233PG |
| JACK NO. | 3233 |

| LOAD | LOAD (KIPS) | GAGE PRESSURE (PSI) | TIME | HOLD TIME (MIN) | DIAL READING (INCHES) | ELONGATION (INCHES) | COMMENTS |
|-------|----------------|---------------------------|-------|-----------------------|-----------------------------|------------------------|-----------------------------|
| AL | 6.5 | 300 | 13:39 | 0 | 0.000 | | ALIGNMENT LOAD |
| .25P | 32.5 | 1175 | 13:40 | 0 | 0.221 | | |
| .50P | 65 | 2250 | 13:41 | 0 | 0.559 | | |
| .75P | 97.5 | 3325 | 13:42 | 0 | 0.902 | | |
| 1.00P | 130 | 4400 | 13:43 | 0 | 1.425 | | DESIGN LOAD |
| 1.25P | 156 | 5250 | 13:45 | 0 | 1.909 | | |
| 1.33P | 173 | 5800 | 13:45 | 0 | 2.355 | | TEST LOAD |
| | | 5900 | 13:46 | 1 | 2.370 | | |
| | | 5900 | 13:47 | 2 | 2.370 | | |
| | | 5900 | 13:48 | 3 | 2.370 | | |
| | | 5900 | 13:49 | 4 | 2.370 | | |
| | | 5900 | 13:50 | 5 | 2.370 | | |
| | | 5900 | 13:51 | 6 | 2.370 | | |
| | | 5900 | 13:55 | 10 | 2.371 | | If elongation between 1 and |
| | | | | | | | 10 minutes > 0.040 inches, |
| | | | | | | | hold additional 50 minutes. |
| | | | | | | | |
| | | | | | | | |
| | | 4500 | 13:57 | | | | LOCK-OFF LOAD |
| | | | | | | | |
| | | 4350 | 13:57 | | | | LIFT-OFF LOAD |
| | | | | | | | |

PROOF TEST

| | |
|-----------------------|-----------------|
| PROJECT | STUDY AREA 5 |
| LOCATION | JERSEY CITY, NJ |
| CONTRACTOR | MORETRENCH |
| RES. ENGINEER | GP |
| DESIGN LOAD (KIPS) | 130 |
| LOCK-OFF LOAD (KIPS) | |
| TEST LOAD (KIPS) | 173 |
| LIFT-OFF LOAD (KIPS) | |
| LIFT-OFF LD / DSGN LD | |

| | |
|------------------|----------|
| TIEBACK NO. | 12 |
| FILE | |
| DATE | 12/13/10 |
| MAX. ELONG. (IN) | |
| MIN. ELONG. (IN) | |
| GAGE NO. | 3233P6 |
| JACK NO. | 3233 |

| LOAD | LOAD (KIPS) | GAGE PRESSURE (PSI) | TIME | HOLD TIME (MIN) | DIAL READING (INCHES) | ELONGATION (INCHES) | COMMENTS |
|-------|----------------|---------------------------|-------|-----------------------|-----------------------------|------------------------|-----------------------------|
| AL | 6.5 | 300 | 08:20 | 0 | 0.000 | | ALIGNMENT LOAD |
| .25P | 32.5 | 1175 | 08:21 | 0 | 0.122 | | |
| .50P | 65 | 2250 | 08:21 | 0 | 0.594 | | |
| .75P | 97.5 | 3325 | 08:22 | 0 | 1.185 | | |
| 1.00P | 130 | 4400 | 08:23 | 0 | 1.792 | | DESIGN LOAD |
| 1.25P | 156 | 5250 | 08:24 | 0 | 2.304 | | |
| 1.33P | 173 | 5800 | 08:25 | 0 | 2.850 | | TEST LOAD |
| | | 5900 | 08:26 | 1 | 2.862 | | |
| | | 5900 | 08:27 | 2 | 2.862 | | |
| | | 5900 | 08:28 | 3 | 2.862 | | |
| | | 5900 | 08:29 | 4 | 2.862 | | |
| | | 5900 | 08:30 | 5 | 2.862 | | |
| | | 5900 | 08:31 | 6 | 2.862 | | |
| | | 5850 | 08:35 | 10 | 2.862 | | If elongation between 1 and |
| | | | | | | | 10 minutes > 0.040 inches, |
| | | | | | | | hold additional 50 minutes. |
| | | | | | | | |
| | | 4450 | 08:39 | | | | LOCK-OFF LOAD |
| | | | | | | | |
| | | 4400 | 08:40 | | | | LIFT-OFF LOAD |
| | | | | | | | |

PROOF TEST

| | |
|-----------------------|-----------------|
| PROJECT | STUDY AREA 5 |
| LOCATION | JERSEY CITY, NJ |
| CONTRACTOR | MORETRENCH |
| RES. ENGINEER | |
| DESIGN LOAD (KIPS) | 130 |
| LOCK-OFF LOAD (KIPS) | |
| TEST LOAD (KIPS) | 173 |
| LIFT-OFF LOAD (KIPS) | |
| LIFT-OFF LD / DSGN LD | |

| | |
|------------------|----------|
| TIEBACK NO. | 13 |
| FILE | |
| DATE | 12/13/10 |
| MAX. ELONG. (IN) | |
| MIN. ELONG. (IN) | |
| GAGE NO. | 3233PG |
| JACK NO. | 3233 |

| LOAD | LOAD (KIPS) | GAGE PRESSURE (PSI) | TIME | HOLD TIME (MIN) | DIAL READING (INCHES) | ELONGATION (INCHES) | COMMENTS |
|-------|-------------|---------------------|-------|-----------------|-----------------------|---------------------|--|
| AL | 5 | 300 | 08:54 | 0 | 0.000 | | ALIGNMENT LOAD |
| .25P | 32.5 | 1175 | 08:55 | 0 | 0.287 | | |
| .50P | 65 | 2250 | 08:56 | 0 | 0.798 | | |
| .75P | 97.5 | 3325 | 08:57 | 0 | 1.296 | | |
| 1.00P | 130 | 4400 | 08:58 | 0 | 1.844 | | DESIGN LOAD |
| 1.25P | 156 | 5250 | 08:58 | 0 | 2.287 | | |
| 1.33P | 173 | 5800 | 08:59 | 0 | 2.725 | | TEST LOAD |
| | | | 09:00 | 1 | 2.736 | | |
| | | | 09:01 | 2 | 2.736 | | |
| | | | 09:02 | 3 | 2.735 | | |
| | | | 09:03 | 4 | 2.734 | | |
| | | | 09:04 | 5 | 2.734 | | |
| | | | 09:05 | 6 | 2.734 | | |
| | | | 09:09 | 10 | 2.734 | | |
| | | | | | | | If elongation between 1 and 10 minutes > 0.040 inches, hold additional 50 minutes. |
| | | | | | | | |
| | | | | | | | |
| | | 4400 | | | | | LOCK-OFF LOAD 4400 PSI |
| | | 4400 | | | | | LIFT-OFF LOAD |
| | | | | | | | |

PROOF TEST

PROJECT _____ STUDY AREA 5
 LOCATION _____ JERSEY CITY, NJ
 CONTRACTOR _____ MORETRENCH
 RES. ENGINEER _____ GF
 DESIGN LOAD (KIPS) _____ 130
 LOCK-OFF LOAD (KIPS) _____
 TEST LOAD (KIPS) _____ 173
 LIFT-OFF LOAD (KIPS) _____
 LIFT-OFF LD / DSGN LD _____

TIEBACK NO. 14
 FILE _____
 DATE 12/13/10
 MAX. ELONG. (IN) _____
 MIN. ELONG. (IN) _____
 GAGE NO. 3233PG
 JACK NO. 3233

| LOAD | LOAD (KIPS) | GAGE PRESSURE (PSI) | TIME | HOLD TIME (MIN) | DIAL READING (INCHES) | ELONGATION (INCHES) | COMMENTS |
|-------|-------------|---------------------|-------|-----------------|---------------------------|---------------------|--|
| AL | 6.5 | 360 | 10:06 | 0 | 0.000 | | ALIGNMENT LOAD |
| .25P | 32.5 | 1175 | 10:07 | 0 | 0.369 | | |
| .50P | 65 | 2250 | 10:08 | 0 | 0.815 | | |
| .75P | 97.5 | 3325 | 10:09 | 0 | 1.309 | | |
| 1.00P | 130 | 4400 | 10:09 | 0 | 1.819 | | DESIGN LOAD |
| 1.25P | 156 | 5250 | 10:10 | 0 | 2.300 | | |
| 1.33P | 173 | 5800 | 10:11 | 0 | 2.784 | | TEST LOAD |
| | | | 10:12 | 1 | 2.860 | | |
| | | | 10:13 | 2 | 2.860 | | |
| | | | 10:14 | 3 | 2.860 | | |
| | | | 10:15 | 4 | 2.860 | | |
| | | | 10:16 | 5 | 2.860 | | |
| | | | 10:17 | 6 | 2.858 | | |
| | | | 10:21 | 10 | 2.857 2.860 | | If elongation between 1 and 10 minutes > 0.040 inches, hold additional 50 minutes. |
| | | | | | | | |
| | | 4400 | 10:23 | | | | LOCK-OFF LOAD 4400 PSI |
| | | 4400 | 10:24 | | | | LIFT-OFF LOAD |
| | | | | | | | |

PROOF TEST

| | |
|-----------------------|-----------------|
| PROJECT | STUDY AREA 5 |
| LOCATION | JERSEY CITY, NJ |
| CONTRACTOR | MORETRENCH |
| RES. ENGINEER | GP |
| DESIGN LOAD (KIPS) | 130 |
| LOCK-OFF LOAD (KIPS) | |
| TEST LOAD (KIPS) | 173 |
| LIFT-OFF LOAD (KIPS) | |
| LIFT-OFF LD / DSGN LD | |

| | |
|------------------|----------|
| TIEBACK NO. | 15 |
| FILE | |
| DATE | 12/13/10 |
| MAX. ELONG. (IN) | |
| MIN. ELONG. (IN) | |
| GAGE NO. | 3233P6 |
| JACK NO. | 3233 |

| LOAD | LOAD (KIPS) | GAGE PRESSURE (PSI) | TIME | HOLD TIME (MIN) | DIAL READING (INCHES) | ELONGATION (INCHES) | COMMENTS |
|-------|-------------|---------------------|-------|-----------------|-----------------------|---------------------|--|
| AL | 6.5 | 300 | 12:57 | 0 | 0.000 | | ALIGNMENT LOAD |
| .25P | 32.5 | 1175 | 12:58 | 0 | 0.318 | | |
| .50P | 65 | 2250 | 12:59 | 0 | 0.810 | | |
| .75P | 97.5 | 3325 | 13:00 | 0 | 1.314 | | |
| 1.00P | 130 | 4400 | 13:01 | 0 | 1.926 | | DESIGN LOAD |
| 1.25P | 156 | 5250 | 13:01 | 0 | 2.417 | | |
| 1.33P | 173 | 5800 | 13:02 | 0 | 2.947 | | TEST LOAD |
| | | 5900 | 13:03 | 1 | 2.972 | | |
| | | 5900 | 13:04 | 2 | 2.971 | | |
| | | 5900 | 13:05 | 3 | 2.971 | | |
| | | 5800 | 13:06 | 4 | 2.971 | | |
| | | 5800 | 13:07 | 5 | 2.971 | | |
| | | 5800 | 13:08 | 6 | 2.971 | | |
| | | 5800 | 13:12 | 10 | 2.971 | | If elongation between 1 and 10 minutes > 0.040 inches, hold additional 50 minutes. |
| | | 4500 | 13:15 | | | | LOCK-OFF LOAD |
| | | 4300 | 13:18 | | | | LIFT-OFF LOAD |
| | | | | | | | |

PROOF TEST

| | |
|-----------------------|-----------------|
| PROJECT | STUDY AREA 5 |
| LOCATION | JERSEY CITY, NJ |
| CONTRACTOR | MORETRENCH |
| RES. ENGINEER | GP |
| DESIGN LOAD (KIPS) | 130 |
| LOCK-OFF LOAD (KIPS) | |
| TEST LOAD (KIPS) | 173 |
| LIFT-OFF LOAD (KIPS) | |
| LIFT-OFF LD / DSGN LD | |

| | |
|------------------|----------|
| TIEBACK NO. | 16 |
| FILE | |
| DATE | 12/13/10 |
| MAX. ELONG. (IN) | |
| MIN. ELONG. (IN) | |
| GAGE NO. | 3233PG |
| JACK NO. | 3233 |

| LOAD | LOAD (KIPS) | GAGE PRESSURE (PSI) | TIME | HOLD TIME (MIN) | DIAL READING (INCHES) | ELONGATION (INCHES) | COMMENTS |
|-------|----------------|---------------------------|-------|-----------------------|-----------------------------|------------------------|-----------------------------|
| AL | 6.5 | 300 | 13:25 | 0 | 0.000 | | ALIGNMENT LOAD |
| .25P | 32.5 | 1175 | 13:26 | 0 | 0.330 | | |
| .50P | 65 | 2250 | 13:27 | 0 | 0.876 | | |
| .75P | 97.5 | 3325 | 13:28 | 0 | 1.486 | | |
| 1.00P | 130 | 4400 | 13:29 | 0 | 2.115 | | DESIGN LOAD |
| 1.25P | 156 | 5250 | 13:30 | 0 | 2.650 | | |
| 1.33P | 173 | 5800 | 13:31 | 0 | 3.210 | | TEST LOAD |
| | | 5900 | 13:32 | 1 | 3.236 | | |
| | | 5900 | 13:33 | 2 | 3.236 | | |
| | | 5900 | 13:34 | 3 | 3.236 | | |
| | | 5900 | 13:35 | 4 | 3.236 | | |
| | | 5900 | 13:36 | 5 | 3.236 | | |
| | | 5800 | 13:37 | 6 | 3.236 | | |
| | | 5800 | 13:41 | 10 | 3.236 | | If elongation between 1 and |
| | | | | | | | 10 minutes > 0.040 inches, |
| | | | | | | | hold additional 50 minutes. |
| | | | | | | | |
| | | | | | | | |
| | | 4450 | 13:44 | | | | LOCK-OFF LOAD |
| | | | | | | | |
| | | 4400 | 13:45 | | | | LIFT-OFF LOAD |
| | | | | | | | |

PROOF TEST

| | |
|-----------------------|-----------------|
| PROJECT | STUDY AREA 5 |
| LOCATION | JERSEY CITY, NJ |
| CONTRACTOR | MORETRENCH |
| RES. ENGINEER | DMA |
| DESIGN LOAD (KIPS) | 130 |
| LOCK-OFF LOAD (KIPS) | |
| TEST LOAD (KIPS) | 173 |
| LIFT-OFF LOAD (KIPS) | |
| LIFT-OFF LD / DSGN LD | |

| | |
|------------------|----------|
| TIEBACK NO. | 17 |
| FILE | |
| DATE | 12/13/10 |
| MAX. ELONG. (IN) | |
| MIN. ELONG. (IN) | |
| GAGE NO. | 3233PG |
| JACK NO. | 3233 |

| LOAD | LOAD (KIPS) | GAGE PRESSURE (PSI) | TIME | HOLD TIME (MIN) | DIAL READING (INCHES) | ELONGATION (INCHES) | COMMENTS |
|-------|----------------|---------------------------|------|-----------------------|-----------------------------|------------------------|-----------------------------|
| AL | 65 | 300 | 1:55 | 0 | 0.000 | | ALIGNMENT LOAD |
| .25P | 32.5 | 1175 | 1:56 | 0 | 0.301 | | |
| .50P | 65 | 2250 | 1:57 | 0 | 0.791 | | |
| .75P | 97.5 | 3325 | 1:58 | 0 | 1.248 | | |
| 1.00P | 130 | 4400 | 1:59 | 0 | 1.776 | | DESIGN LOAD |
| 1.25P | 156 | 5250 | 2:00 | 0 | 2.225 | | |
| 1.33P | 173 | 5800 | 2:01 | 0 | 2.643 | | TEST LOAD |
| | | 5900 | 2:02 | 1 | 2.665 | | |
| | | 5900 | 2:03 | 2 | 2.665 | | |
| | | 5900 | 2:04 | 3 | 2.665 | | |
| | | 5900 | 2:05 | 4 | 2.665 | | |
| | | 5750 | 2:06 | 5 | 2.665 | | |
| | | 5900 | 2:07 | 6 | 2.665 | | |
| | | 5800 | 2:08 | 10 | 2.665 | | If elongation between 1 and |
| | | | | | | | 10 minutes > 0.040 inches, |
| | | | | | | | hold additional 50 minutes. |
| | | | | | | | |
| | | 4350 | 2:14 | | | | LOCK-OFF LOAD |
| | | 4350 | 2:17 | | | | LIFT-OFF LOAD |
| | | | | | | | |

APPENDIX H

WASTEWATER DISCHARGE DOCUMENTATION

STUDY AREA 5 REMEDIAL ACTION REPORT
FORMER BALDWIN STEEL SITE (NJDEP SITE 090)
FORMER MI HOLDINGS SITE (NJDEP SITE 184)
PORTION OF FORMER MORRIS CANAL SITE (NJDEP SITE 153 NORTHERN SEGMENT)
JERSEY CITY, NEW JERSEY



engineering and constructing a better tomorrow

January 3, 2011

VIA FAX AND EMAIL

Passaic Valley Sewerage Commissioner
600 Wilson Avenue
Newark, NJ 07105

Attn: Mr. Anthony Gammaro

Subject: Submittal of PVSC MR-1 for the month of November, 2010
Remedial Action - Study Area 5 (SA-5), New Jersey City University
(NJCU)
Sites 090, 184, and Portion of Site 153
Block 1286, Lots 5 & 6D; Block 1286.5 Lots 1 & 2; Block 1289.5, Lot E
Jersey City, Hudson County, New Jersey

Dear Mr. Gammaro:

Mactec Engineering and Consulting, Inc. (Mactec), on behalf of Honeywell International Inc. (Honeywell), is submitting a completed MR-1 form along with the laboratory results to comply with permit condition no. 7 of the approved Letter of Authorization to Discharge dated September 24, 2010 for the above referenced site.

Please note that this compliance report is submitted for monitoring period of November 1, 2010 to November 30, 2010. As shown on MR-1, all parameters sampled are within Passaic Valley Sewerage Commissioners (PVSC) compliance limits.

Please contact any of the undersigned at (609) 689-2829 if you have any questions or require further information.

Sincerely,

Mactec Engineering & Consulting, Inc.

A handwritten signature in black ink, appearing to read "Brent O'Dell", written over a horizontal line.

Brent O'Dell, P.E., DEE
Senior Principal Engineer

A handwritten signature in black ink, appearing to read "Kinjal Shah", written over a horizontal line.

Kinjal Shah, E.I.T
Senior Engineer

Cc: Maria Kaouris, Honeywell.
John Mojka, Honeywell

Honeywell International Inc.
PVSC MR-1 Reporting for SA-5
January 3, 2011
Page 2 of 2

Joe Clifford, Mactec
Stu Bills, Mactec
Dave Ambrose, Mactec

PRETREATMENT MONITORING REPORT

NAME: James Boyer & Dave Ambrose MACTEC Engineering & Consulting Inc.

MAILING ADDRESS: Honeywell International Inc. 101 Columbia Road, Morristown, NJ 07692

FACILITY LOCATION: Route 440 and Carbon Place, Jersey City, NJ 07305

CATEGORY & SUBPART: NA OUTLET #: 1

CONTACT OFFICIAL: Maria Kaouris, Remediation Manager TELEPHONE: 973-455-3302

NEW CUSTOMER ID / OUTLET ID: NA OLD OUTLET DESIGNATION: NA

| MONITORING PERIOD | | | | | |
|-------------------|-----|------|-----|-----|------|
| Start | | | End | | |
| Nov | 1 | 2010 | Nov | 30 | 2010 |
| MO | DAY | YR | MO | DAY | YR |

| | Average | Maximum |
|------------------------|---------|---------|
| Regulated Flow-gal/day | | |
| Total Flow-gal/day | 111,325 | 132,920 |

Method Used: 24 hr meter readings 30 Flowmeter readings / 30 working days.

Production Rate (if applicable) NA

| PARAMETER | | MASS OR CONCENTRATION | | | # OF SAMPLES | SAMPLE TYPE COMP/GRAB |
|------------|--------------------|-----------------------|---------|---------|--------------|--------------------------|
| | | MON AVG | MAXIMUM | UNITS | | |
| Cd | Sample Measurement | 0.0015 | 0.0015 | Mg/l | 4 | Comp |
| | Permit Requirement | 0.19 | | Mg/l | | |
| Cu | Sample Measurement | 0.005 | 0.005 | Mg/l | 4 | Comp |
| | Permit Requirement | 3.02 | | Mg/l | | |
| Pb | Sample Measurement | 0.002 | 0.002 | Mg/l | 4 | Comp |
| | Permit Requirement | 0.54 | | Mg/l | | |
| Hg | Sample Measurement | 0.0002 | 0.0004 | Mg/l | 4 | Comp |
| | Permit Requirement | 0.080 | | Mg/l | | |
| Ni | Sample Measurement | 0.005 | 0.005 | Mg/l | 4 | Comp |
| | Permit Requirement | 5.9 | | Mg/l | | |
| Zn | Sample Measurement | 0.010 | 0.010 | Mg/l | 4 | Comp |
| | Permit Requirement | 1.67 | | Mg/l | | |
| Cr (Total) | Sample Measurement | 1.1 | 3.3 | Lbs/day | 4 | Comp |
| | Permit Requirement | | 11 | Lbs/day | | |
| SGT-HEM | Sample Measurement | 2.61 | 2.75 | Mg/l | 4 | Comp |
| | Permit Requirement | 100 | 150 | Mg/l | | |
| BOD | Sample Measurement | 9.08 | 16.5 | Mg/l | 4 | Comp |
| | Permit Requirement | | | Mg/l | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |

PRETREATMENT MONITORING REPORT

Certification of Non-Use if applicable (use additional sheets): NA

Compliance or non compliance statement with compliance schedule (use additional sheets if necessary) for every

parameter used: Honeywell International Inc. is in compliance with all conditions set forth by PVSC.

Explain Method for preserving samples: All samples were stored in a cooler to preserve the samples at a temperature < 4° C and were taken by

Accutest Laboratories approximately 30 minutes after samples were stored.

I certify under penalty of law that this document and attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

403.6(a)(2)(ii) revised by 53 FR 40610, October 17, 1988



Signature of Principal

Executive or Authorized Agent

senior Principal
Brent O'Dell

Type Name and Title

1/3/11

Date

ACCUTEST
Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, New Jersey 08810
732-329-0200 Phone, 732-329-3499 Fax

Honeywell Chain Of Custody / Analysis Request

ARSJ Ref: 38439.43925
COC #: 37811-
Lab Use Only
Lab Proj #
Lab ID ACTD

Client Contact: (name, co., address)
Andrew Shust - MACTEC Engineering and Consulting, Inc
200 American Metro Blvd., Suite 113
Hamilton, NJ 08619

Sample ID: 184-TW-01-110310
Sample Date: 11/3/2010
Sample Time: 10:30
Sample Type: GW
Sample Matrix: Water
Sample Purpose: REG
of Cont: 5

Standard - N
Analysis Turnaround Time:
2 weeks -
1 week - Y
Next Day -

Preservative
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100

What is in the Text File? Mouse over here.
Written and maintained by
AESI (Ver 3.7)
02-01-05

Lab Sample Numbers
H.C.3
A.M.E.T.7
W.C.2.1

Reservatives: 0 = None; 1 = HCl; 2 = HNO3; 3 = H2SO4; 4 = NaOH; 5 = Zn Acetate; 6 = MeOH; 7 = NaHSO4; 8 = Other (specify):

JA60553: Chain of Custody
Page 1 of 1

Report of Analysis

Page 1 of 1

| | | | |
|-------------------|---|-----------------|----------|
| Client Sample ID: | 184-TW-01-110310 | Date Sampled: | 11/03/10 |
| Lab Sample ID: | JA60553-1 | Date Received: | 11/03/10 |
| Matrix: | AQ - Ground Water | Percent Solids: | n/a |
| Project: | HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ | | |

Total Metals Analysis

| Analyte | Result | RL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|----------|--------|------|-------|----|----------|-------------|------------------------|------------------------|
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 11/08/10 | 11/08/10 GT | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Chromium | 4020 | 10 | ug/l | 1 | 11/08/10 | 11/08/10 GT | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Copper | < 10 | 10 | ug/l | 1 | 11/08/10 | 11/08/10 GT | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Lead | < 3.0 | 3.0 | ug/l | 1 | 11/08/10 | 11/08/10 GT | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Mercury | < 0.20 | 0.20 | ug/l | 1 | 11/09/10 | 11/09/10 JW | EPA 245.1 ² | EPA 245.1 ³ |
| Nickel | < 10 | 10 | ug/l | 1 | 11/08/10 | 11/08/10 GT | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Zinc | < 20 | 20 | ug/l | 1 | 11/08/10 | 11/08/10 GT | EPA 200.7 ¹ | EPA 200.7 ⁴ |

(1) Instrument QC Batch: MA25315

(2) Instrument QC Batch: MA25325

(3) Prep QC Batch: MP55519

(4) Prep QC Batch: MP55542

RL = Reporting Limit

Report of Analysis

Page 1 of 1

3.1
3.1
3.1

| | | | |
|-------------------|---|-----------------|----------|
| Client Sample ID: | 184-TW-01-110310 | Date Sampled: | 11/03/10 |
| Lab Sample ID: | JA60553-1 | Date Received: | 11/03/10 |
| Matrix: | AQ - Ground Water | Percent Solids: | n/a |
| Project: | HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ | | |

General Chemistry

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|----------------------------|--------|-----|-------|----|----------------|-----|------------|
| BOD, 5 Day | < 10 | 10 | mg/l | 1 | 11/04/10 16:59 | AD | SM20 5210B |
| HEM Petroleum Hydrocarbons | < 5.1 | 5.1 | mg/l | 1 | 11/09/10 | JOO | EPA 1664A |
| Solids, Total Suspended | < 4.0 | 4.0 | mg/l | 1 | 11/05/10 | WR | SM20 2540D |

RL = Reporting Limit

Report of Analysis

Page 1 of 1

| | | | |
|-------------------|---|-----------------|----------|
| Client Sample ID: | 184-TW-01-111010 | Date Sampled: | 11/10/10 |
| Lab Sample ID: | JA61169-1 | Date Received: | 11/10/10 |
| Matrix: | AQ - Ground Water | Percent Solids: | n/a |
| Project: | HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ | | |

Total Metals Analysis

| Analyte | Result | RL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|----------|--------|------|-------|----|----------|-------------|------------------------|------------------------|
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 11/13/10 | 11/14/10 ND | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Chromium | 868 | 10 | ug/l | 1 | 11/13/10 | 11/14/10 ND | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Copper | < 10 | 10 | ug/l | 1 | 11/13/10 | 11/14/10 ND | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Lead | < 3.0 | 3.0 | ug/l | 1 | 11/13/10 | 11/14/10 ND | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Mercury | 0.38 | 0.20 | ug/l | 1 | 11/16/10 | 11/16/10 JW | EPA 245.1 ² | EPA 245.1 ³ |
| Nickel | < 10 | 10 | ug/l | 1 | 11/13/10 | 11/14/10 ND | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Zinc | < 20 | 20 | ug/l | 1 | 11/13/10 | 11/14/10 ND | EPA 200.7 ¹ | EPA 200.7 ⁴ |

(1) Instrument QC Batch: MA25351

(2) Instrument QC Batch: MA25373

(3) Prep QC Batch: MP55519

(4) Prep QC Batch: MP55646

RL = Reporting Limit

Report of Analysis

Page 1 of 1

| | |
|---|--------------------------------|
| Client Sample ID: 184-TW-01-111010 | Date Sampled: 11/10/10 |
| Lab Sample ID: JA61169-1 | Date Received: 11/10/10 |
| Matrix: AQ - Ground Water | Percent Solids: n/a |
| Project: HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ | |

General Chemistry

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|----------------------------|--------|-----|-------|----|----------------|-----|------------|
| BOD, 5 Day | 4.8 | 3.4 | mg/l | 1 | 11/10/10 18:40 | AD | SM20 5210B |
| HEM Petroleum Hydrocarbons | < 5.2 | 5.2 | mg/l | 1 | 11/16/10 | JOJ | EPA 1664A |
| Solids, Total Suspended | 5.0 | 4.0 | mg/l | 1 | 11/11/10 | DD | SM20 2540D |

RL = Reporting Limit

Report of Analysis

Page 1 of 1

| | | | |
|-------------------|---|-----------------|----------|
| Client Sample ID: | 184-TW-01-111710 | Date Sampled: | 11/17/10 |
| Lab Sample ID: | JA61820-1 | Date Received: | 11/17/10 |
| Matrix: | AQ - Ground Water | Percent Solids: | n/a |
| Project: | HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ | | |

Total Metals Analysis

| Analyte | Result | RL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|----------|--------|------|-------|----|----------|-------------|------------------------|------------------------|
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 11/21/10 | 11/23/10 VC | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Chromium | 479 | 10 | ug/l | 1 | 11/21/10 | 11/23/10 VC | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Copper | < 10 | 10 | ug/l | 1 | 11/21/10 | 11/23/10 VC | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Lead | < 3.0 | 3.0 | ug/l | 1 | 11/21/10 | 11/23/10 VC | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Mercury | 0.36 | 0.20 | ug/l | 1 | 11/23/10 | 11/23/10 VK | EPA 245.1 ² | EPA 245.1 ³ |
| Nickel | < 10 | 10 | ug/l | 1 | 11/21/10 | 11/23/10 VC | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Zinc | < 20 | 20 | ug/l | 1 | 11/21/10 | 11/23/10 VC | EPA 200.7 ¹ | EPA 200.7 ⁴ |

(1) Instrument QC Batch: MA25408

(2) Instrument QC Batch: MA25411

(3) Prep QC Batch: MP55761

(4) Prep QC Batch: MP55785

RL = Reporting Limit

Report of Analysis

Page 1 of 1

| | | | |
|-------------------|---|-----------------|----------|
| Client Sample ID: | 184-TW-01-111710 | Date Sampled: | 11/17/10 |
| Lab Sample ID: | JA61820-1 | Date Received: | 11/17/10 |
| Matrix: | AQ - Ground Water | Percent Solids: | n/a |
| Project: | HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ | | |

General Chemistry

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|----------------------------|--------|-----|-------|----|----------------|----|------------|
| BOD, 5 Day | < 33 | 33 | mg/l | 1 | 11/17/10 18:25 | LS | SM20 5210B |
| HEM Petroleum Hydrocarbons | < 5.1 | 5.1 | mg/l | 1 | 11/29/10 | PB | EPA 1664A |
| Solids, Total Suspended | 12.0 | 4.0 | mg/l | 1 | 11/18/10 | DD | SM20 2540D |

RL = Reporting Limit

ACCUTEST
Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, New Jersey 08810
732-329-0200 Phone, 732-329-3499 Fax

Honeywell Chain Of Custody / Analysis Request

ARST Ref: 38439.43925
CDC #: 37811-
Lab Use Only
Lab Proj #
Lab ID ACTD

Client Contact: (name, co., address)
Andrew Shurt - MACTEC Engineering and Consulting, Inc
200 American Metro Blvd., Suite 113
Hamilton, NJ 08619

Lab/Corp Rep: See above

Invoice To: Maria Koonin - Honeywell PM 101
Columbia Rd. Morristown, NJ 07962

Privileged & Confidential Y
LDD To: Andrew Shurt (MACTEC)
Sampler: Dave Ambrose
PO #: SG10/2010-36
Analysis Turnaround Time:
Standard - N
Rush Charges Authorized for -
2 weeks -
1 week - Y
Next Day -

Site Name: HUDSONCO
Location of Site: SA-5, Site 184

Preservative
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99

Sample Identification
Location ID Start Depth (ft) End Depth (ft) Field Sample ID
1 184-TW-01 184-TW-01-112410
2
3
4
5
6
7
8
9
10
11
12

Sample Date Sample Time Sample Type Sample Matrix Sample Purpose # of Cont.
1 11/24/2010 9:00 GW Water REG 5

Units
mg/L
mg/L
mg/L
mg/L

Biological Oxygen Demand (BOD)
BOD5
BOD7
BOD10
BOD15
BOD20
BOD30
BOD40
BOD50
BOD60
BOD70
BOD80
BOD90
BOD100
BOD110
BOD120
BOD130
BOD140
BOD150
BOD160
BOD170
BOD180
BOD190
BOD200
BOD210
BOD220
BOD230
BOD240
BOD250
BOD260
BOD270
BOD280
BOD290
BOD300
BOD310
BOD320
BOD330
BOD340
BOD350
BOD360
BOD370
BOD380
BOD390
BOD400
BOD410
BOD420
BOD430
BOD440
BOD450
BOD460
BOD470
BOD480
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BOD750
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BOD770
BOD780
BOD790
BOD800
BOD810
BOD820
BOD830
BOD840
BOD850
BOD860
BOD870
BOD880
BOD890
BOD900
BOD910
BOD920
BOD930
BOD940
BOD950
BOD960
BOD970
BOD980
BOD990
BOD1000

Lab Sample Numbers
HC 16
AMET 11
WC 18

11-24-2010
ALL SAMPLES RECEIVED
PRESERVED AS APPLICABLE

* E200.7 - report only Total Chromium, Cadmium, Copper, Lead, Nickel, Mercury, Zinc *

Relinquished by: S. Ambrose
Company: MACTEC
Date/Time: 0815 11/24/10
Received by: [Signature]
Company: ACTD
Date/Time: 11-24-10 1010
Condition: Cooler Temp.
Custody Seals Intact: [Signature]

Relinquished by: [Signature]
Company: [Signature]
Date/Time: 11-24-10 1740
Received by: [Signature]
Company: [Signature]
Date/Time: 11/24/10 1740
Condition: Cooler Temp.
Custody Seals Intact: 24°C

Preservatives: 0 = None; 1 = HCL; 2 = HNO3; 3 = H2SO4; 4 = NaOH; 5 = Zn Acetate; 6 = MeOH; 7 = NaHSO4; 8 = Other (specify):

JA62540: Chain of Custody
Page 1 of 1

Report of Analysis

Page 1 of 1

| | | | |
|-------------------|---|-----------------|----------|
| Client Sample ID: | 184-TW-01-112410 | Date Sampled: | 11/24/10 |
| Lab Sample ID: | JA62540-1 | Date Received: | 11/24/10 |
| Matrix: | AQ - Ground Water | Percent Solids: | n/a |
| Project: | HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ | | |

Total Metals Analysis

| Analyte | Result | RL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|----------|--------|------|-------|----|----------|-------------|----------------------------|------------------------|
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 12/01/10 | 12/02/10 | MET EPA 200.7 ² | EPA 200.7 ⁴ |
| Chromium | 458 | 10 | ug/l | 1 | 12/01/10 | 12/02/10 | MET EPA 200.7 ² | EPA 200.7 ⁴ |
| Copper | < 10 | 10 | ug/l | 1 | 12/01/10 | 12/02/10 | MET EPA 200.7 ² | EPA 200.7 ⁴ |
| Lead | < 3.0 | 3.0 | ug/l | 1 | 12/01/10 | 12/02/10 | MET EPA 200.7 ² | EPA 200.7 ⁴ |
| Mercury | < 0.20 | 0.20 | ug/l | 1 | 11/30/10 | 11/30/10 | JW EPA 245.1 ¹ | EPA 245.1 ³ |
| Nickel | < 10 | 10 | ug/l | 1 | 12/01/10 | 12/02/10 | MET EPA 200.7 ² | EPA 200.7 ⁴ |
| Zinc | < 20 | 20 | ug/l | 1 | 12/01/10 | 12/02/10 | MET EPA 200.7 ² | EPA 200.7 ⁴ |

(1) Instrument QC Batch: MA25443

(2) Instrument QC Batch: MA25453

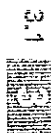
(3) Prep QC Batch: MP55861

(4) Prep QC Batch: MP55932

RL = Reporting Limit

Report of Analysis

Page 1 of 1



| | | | |
|-------------------|---|-----------------|----------|
| Client Sample ID: | 184-TW-01-112410 | Date Sampled: | 11/24/10 |
| Lab Sample ID: | JA62540-1 | Date Received: | 11/24/10 |
| Matrix: | AQ - Ground Water | Percent Solids: | n/a |
| Project: | HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ | | |

General Chemistry

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|----------------------------|--------|-----|-------|----|----------|-----|------------|
| BOD, 5 Day | < 20 | 20 | mg/l | 1 | 11/24/10 | LS | SM20 5210B |
| HEM Petroleum Hydrocarbons | < 5.5 | 5.5 | mg/l | 1 | 12/04/10 | JOO | EPA 1664A |
| Solids, Total Suspended | 4.0 | 4.0 | mg/l | 1 | 11/30/10 | DD | SM20 2540D |

RL = Reporting Limit

USER CHARGE SELF MONITORING REPORT

NAME: Dave Ambrose

ADDRESS: Honeywell International Inc. 101 Columbia Rd. Morristown NJ

FACILITY LOCATION: Rt. 440 and Carbow Place, Jersey City, NJ 07305

NEW CUSTOMER ID / OUTLET ID: 74


OLD OUTLET DESIGNATION: 22

| MONITORING PERIOD | | | | | |
|-------------------|-----|------|-----|-----|------|
| START | | | END | | |
| NOV | 1 | 2010 | NOV | 30 | 2010 |
| MO | DAY | YR | MO | DAY | YR |

| |
|---|
| VOL DISCHARGED THIS PERIOD |
| 3,339.752 GALS |
| CU. FT X 7.48 = GALLONS |
| 3.339.752 |
| EFFLUENT METER READING LAST DAY THIS PERIOD |

[illegible][illegible]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| | | |
|---|--------------------------|------------------|
| SIGNATURE OF PRINCIPAL OR AUTHORIZED AGENT | TYPE NAME AND TITLE | TELEPHONE NUMBER |
|  | David Ambrose QA manager | 484-542-0980 |
| | | |
| | | DATE 2/17/2011 |

BYSC FORM MP 2 REV 3/6/03



engineering and constructing a better tomorrow

January 31, 2011

VIA FAX AND EMAIL

Passaic Valley Sewerage Commissioner
600 Wilson Avenue
Newark, NJ 07105

Attn: Mr. Anthony Gammaro

Subject: Submittal of PVSC MR-1 for the month of December, 2010
Remedial Action - Study Area 5 (SA-5), New Jersey City University
(NJCU)
Sites 090, 184, and Portion of Site 153
Block 1286, Lots 5 & 6D; Block 1286.5 Lots 1 & 2; Block 1289.5, Lot E
Jersey City, Hudson County, New Jersey

Dear Mr. Gammaro:

Mactec Engineering and Consulting, Inc. (Mactec), on behalf of Honeywell International Inc. (Honeywell), is submitting a completed MR-1 form along with the laboratory results to comply with permit condition no. 7 of the approved Letter of Authorization to Discharge dated September 24, 2010 for the above referenced site.

Please note that this compliance report is submitted for monitoring period of December 1, 2010 to December 31, 2010. As shown on MR-1, all parameters sampled are within Passaic Valley Sewerage Commissioners (PVSC) compliance limits.

Please contact any of the undersigned at (609) 689-2829 if you have any questions or require further information.

Sincerely,

Mactec Engineering & Consulting, Inc.

A handwritten signature in black ink, appearing to read "Brent O'Dell", written over a series of horizontal lines.

Brent O'Dell, P.E., DEE
Senior Principal Engineer

A handwritten signature in black ink, appearing to read "Kinjal Shah", written over a series of horizontal lines.

Kinjal Shah, E.I.T
Senior Engineer

Cc: Maria Kaouris, Honeywell.
John Mojka, Honeywell

Joe Clifford, Mactec
Stu Bills, Mactec
Dave Ambrose, Mactec

PRETREATMENT MONITORING REPORT

NAME: Kinjal Shah & Dave Ambrose MACTEC Engineering & Consulting Inc.

MAILING ADDRESS: Honeywell International Inc. 101 Columbia Road, Morristown, NJ 07692

FACILITY LOCATION: Route 440 and Carbon Place, Jersey City, NJ 07305

CATEGORY & SUBPART: NA OUTLET #: 1

CONTACT OFFICIAL: Maria Kaouris, Remediation Manager TELEPHONE: 973-455-3302

NEW CUSTOMER ID / OUTLET ID: NA OLD OUTLET DESIGNATION: NA

| MONITORING PERIOD | | | | | |
|-------------------|-----|------|-----|-----|------|
| Start | | | End | | |
| Dec | 1 | 2010 | Dec | 31 | 2010 |
| MO | DAY | YR | MO | DAY | YR |

| | Average | Maximum |
|------------------------|---------|---------|
| Regulated Flow-gal/day | | |
| Total Flow-gal/day | 67,249 | 106,937 |

Method Used: 24 hr meter readings 30 Flowmeter readings / 31 working days.

Production Rate (if applicable) NA

| PARAMETER | | MASS OR CONCENTRATION | | | # OF SAMPLES | SAMPLE TYPE |
|------------|--------------------|-----------------------|---------|---------|--------------|-------------|
| | | MON AVG | MAXIMUM | UNITS | | |
| Cd | Sample Measurement | 0.0015 | 0.0015 | Mg/l | 5 | Comp |
| | Permit Requirement | 0.19 | | Mg/l | | |
| Cu | Sample Measurement | 0.011 | 0.035 | Mg/l | 5 | Comp |
| | Permit Requirement | 3.02 | | Mg/l | | |
| Pb | Sample Measurement | 0.0079 | 0.0197 | Mg/l | 5 | Comp |
| | Permit Requirement | 0.54 | | Mg/l | | |
| Hg | Sample Measurement | 0.0172 | 0.0085 | Mg/l | 5 | Comp |
| | Permit Requirement | 0.080 | | Mg/l | | |
| Ni | Sample Measurement | 0.012 | 0.039 | Mg/l | 5 | Comp |
| | Permit Requirement | 5.9 | | Mg/l | | |
| Zn | Sample Measurement | 0.025 | 0.0577 | Mg/l | 5 | Comp |
| | Permit Requirement | 1.67 | | Mg/l | | |
| Cr (Total) | Sample Measurement | 0.56 | 0.9 | Lbs/day | 5 | Comp |
| | Permit Requirement | | 11 | Lbs/day | | |
| SGT-HEM | Sample Measurement | 2.6 | 2.65 | Mg/l | 5 | Comp |
| | Permit Requirement | 100 | 150 | Mg/l | | |
| BOD | Sample Measurement | 10.56 | 22.1 | Mg/l | 5 | Comp |
| | Permit Requirement | | | Mg/l | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |

PRETREATMENT MONITORING REPORT

Certification of Non-Use if applicable (use additional sheets): NA

Compliance or non compliance statement with compliance schedule (use additional sheets if necessary) for every


parameter used: Honeywell International Inc. is in compliance with all conditions set forth by PVSC.

Explain Method for preserving samples: All samples were stored in a cooler to preserve the samples at a temperature < 4° C and were taken by

Accutest Laboratories approximately 30 minutes after samples were stored.

I certify under penalty of law that this document and attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

403.6(a)(2)(ii) revised by 53 FR 40610, October 17, 1988



Signature of Principal

Executive or Authorized Agent

Brent C. O'Dell, P.E.
Senior Principal Engineer

Type Name and Title

1/28/11

Date

| ACUTEST | | | Honeywell Chain Of Custody / Analysis Request | | | | | | | | | | ARSI Ref: 38439.43915 | |
|--|--|--|---|--|--|-------------------------|--|--|----------------------|--|--|--|---|--|
| 135 Route 130, Dayton, New Jersey 08810 12-329-0260 Phone, 732-329-3499 Fax | | | Privileged & Confidential <input checked="" type="checkbox"/> Y | | | | | | | | | | Site Name: HUDSONCO | |
| Client Contact (name, co., address) Andrew Shust - MACTEC Engineering and Consulting, Inc 60 American Metro Blvd., Suite 113 Hamilton, NJ 08619 | | | FID For: Andrew Shust (MACTEC) | | | | | | | | | | Location of Site: 8A-5, Site 184 | |
| Sample: Dave Ambrose PO #: SG19/2010-36 Analyte Turnaround Time: Standard - N Rush Charges Authorized for - 2 weeks - 1 week - Y Next Day - | | | Preservative 0 1 2 0 Biochemical Oxygen Demand (BOD) 5 Elutax SGT-IBDM E200.7 Total Suspended Solids (TSS) 100.2 | | | | | | | | | | PAGE 1 of 1 Job No. JA62987 | |
| Sample Identification Location ID Start Depth (ft) End Depth (ft) Field Sample ID 1 184-TW-01 184-TW-01-120210 12/2/2010 8:00 GW Water REG 5 | | | Units mg/L mg/L mg/L mg/L N X X X X | | | | | | | | | | What is in the Text File? Mouse over here. Written and maintained by ARSI (Ver 5.7) 02-01-05 | |
| 12-2-2010 ALL SAMPLES RECEIVED PRESERVED AS APPLICABLE | | | | | | | | | | | | | Lab Sample Numbers H23, AMET 18, WC48 | |
| * E200.7 - report only Total Chromium, Cadmium, Copper, Lead, Nickel, Mercury, Zinc | | | | | | | | | | | | | | |
| Released by: [Signature] Date/Time: 12/2/10 08:20 Company: MACTEC | | | Received by: [Signature] Date/Time: 12/2/10 08:28 Company: ACTD | | | Condition: Cooler Temp. | | | Custody Seals Intact | | | | | |
| Released by: [Signature] Date/Time: 12/2/10 16:30 Company: | | | Received by: [Signature] Date/Time: 12/2/10 16:30 Company: | | | Condition: Cooler Temp. | | | Custody Seals Intact | | | | | |

1A 5 Bottles (R)

220

TH

Report of Analysis

Page 1 of 1

3.1

3

| | | | |
|--------------------------|---|------------------------|----------|
| Client Sample ID: | 184-TW-01-120210 | Date Sampled: | 12/02/10 |
| Lab Sample ID: | JA62987-1 | Date Received: | 12/02/10 |
| Matrix: | AQ - Ground Water | Percent Solids: | n/a |
| Project: | HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ | | |

Total Metals Analysis

| Analyte | Result | RL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|----------|--------|------|-------|----|----------|-------------|------------------------|------------------------|
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 12/06/10 | 12/06/10 GT | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Chromium | 1110 | 10 | ug/l | 1 | 12/06/10 | 12/06/10 GT | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Copper | 35.0 | 10 | ug/l | 1 | 12/06/10 | 12/07/10 VC | EPA 200.7 ³ | EPA 200.7 ⁴ |
| Lead | 19.7 | 3.0 | ug/l | 1 | 12/06/10 | 12/06/10 GT | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Mercury | 6.2 | 0.40 | ug/l | 2 | 12/06/10 | 12/07/10 VK | EPA 245.1 ² | EPA 245.1 ⁵ |
| Nickel | 38.9 | 10 | ug/l | 1 | 12/06/10 | 12/06/10 GT | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Zinc | 57.7 | 20 | ug/l | 1 | 12/06/10 | 12/06/10 GT | EPA 200.7 ¹ | EPA 200.7 ⁴ |

(1) Instrument QC Batch: MA25481

(2) Instrument QC Batch: MA25483

(3) Instrument QC Batch: MA25485

(4) Prep QC Batch: MP56002

(5) Prep QC Batch: MP56014

RL = Reporting Limit

Report of Analysis

Page 1 of 1

| | | | |
|--------------------------|---|------------------------|----------|
| Client Sample ID: | 184-TW-01-120210 | Date Sampled: | 12/02/10 |
| Lab Sample ID: | JA62987-1 | Date Received: | 12/02/10 |
| Matrix: | AQ - Ground Water | Percent Solids: | n/a |
| Project: | HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ | | |

General Chemistry

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|----------------------------|--------|-----|-------|----|----------------|----|------------|
| BOD, 5 Day | 14.0 | 10 | mg/l | 1 | 12/03/10 18:08 | LS | SM20 5210B |
| HEM Petroleum Hydrocarbons | < 5.2 | 5.2 | mg/l | 1 | 12/13/10 | SS | EPA 1664A |
| Solids, Total Suspended | 56.0 | 4.0 | mg/l | 1 | 12/07/10 | DD | SM20 2540D |

RL = Reporting Limit

GW

JA 63451 ✓

| ACCUTEST Fresh Ponds Corporate Village, Building B 2235 Route 130, Dayton, New Jersey 08810 732-329-0200 Phone, 732-329-3499 Fax | | | | Honeywell Chain Of Custody / Analysis Request | | | | | | | | | | ARST Ref: 38439-3025 CUST: 37811- Lab Use Only: 2 Lab ID: ACTD | | |
|--|------------------|----------------|------------------|---|-------------|-------------------------------|---------------|----------------------------------|------------|-------|------|------|------|---|--|---------|
| Client Contact: (name, co., address) Andrew Shust - MACTEC Engineering and Consulting, Inc 200 American Metro Blvd., Suite 113 Hamilton, NJ 08619 | | | | Privileged & Confidential: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N | | Site Name: HUDSONCO | | Location of Site: SA-5, Site 184 | | | | | | PAGE 1 of 1 | | |
| Handcopy Report To: See above | | | | EDD To: Andrew Shust (MACTEC) | | Sampler: Dave Ambrose | | Preservative | | | | | | Lab No: | | |
| Invoice To: Maria Kauris - Honeywell PM 101 Columbia Rd. Morristown, NJ 07962 | | | | P O #: SG10/2010-36 | | Analysis Turnaround Time: | | 0 1 2 3 4 5 6 7 8 9 10 11 12 | | | | | | What is in the Test File? Mouse over here. | | |
| Standard - | | | | N | | Rush Charges Authorized for - | | E1664A SGT-HEM | | | | | | Written and maintained by | | |
| 1 week - | | | | Y | | 2 weeks - | | E200.7 | | | | | | ARST Ref: 38439-3025 | | |
| Next Day - | | | | | | | | Total Suspended Solids E160.2 | | | | | | Lab Sample Numbers | | |
| Sample Identification | | | | Sample Date | Sample Time | Sample Type | Sample Matrix | Sample Purpose | # of Cont. | Units | ug/L | ug/L | ug/L | ug/L | | |
| Location ID | Start Depth (ft) | End Depth (ft) | Field Sample ID | | | | | | | | | | | | | |
| 1 184-TW-01 | -1 | | 184-TW-01-120810 | 12/8/2010 | 8:00 | GW | Water | REG | 5 | ug/L | X | X | X | X | | HC 15 |
| 2 | | | | | | | | | | | | | | | | AMET 27 |
| 3 | | | | | | | | | | | | | | | | WC 42 |
| 4 | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | |

* E200.7 - report only Total Chromium, Cadmium, Copper, Lead, Nickel, Mercury, Zinc *

| | | | | | |
|----------------------------------|--------------------------|----------------------------|---------------|---------------|----------------------|
| Relinquished by: <i>David Co</i> | Company: MACTEC | Received by: <i>Robert</i> | Company: ACTD | Condition: | Custody Seal Intact: |
| Date/Time: 12/8/10 12:45 | Date/Time: 12/8/10 12:05 | Date/Time: 12-8-10 | Date/Time: | Cooler Temp.: | Custody Seal Intact: |
| Relinquished by: <i>Robert</i> | Company: | Received by: <i>Robert</i> | Company: | Condition: | Custody Seal Intact: |
| Date/Time: | Date/Time: | Date/Time: | Date/Time: | Cooler Temp.: | Custody Seal Intact: |

Preservatives: 0 = None; 1 = HCL; 2 = HNO3; 3 = H2SO4; 4 = NaOH; 5 = Zn. Acetate; 6 = MeOH; 7 = NaHSO4; 8 = Other (specify):

4.1 4

10 5 Cont. ALL SAMPLES RECEIVED PRESERVED AS APPLICABLE 1.82

Report of Analysis

Page 1 of 1

3.1

3

| | | | |
|--------------------------|---|------------------------|----------|
| Client Sample ID: | 184-TW-01-120810 | Date Sampled: | 12/08/10 |
| Lab Sample ID: | JA63451-1 | Date Received: | 12/08/10 |
| Matrix: | AQ - Ground Water | Percent Solids: | n/a |
| Project: | HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ | | |

Total Metals Analysis

| Analyte | Result | RL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|----------|--------|------|-------|----|----------|-------------|------------------------|------------------------|
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 12/10/10 | 12/13/10 VC | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Chromium | 850 | 10 | ug/l | 1 | 12/10/10 | 12/13/10 VC | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Copper | < 10 | 10 | ug/l | 1 | 12/10/10 | 12/13/10 VC | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Lead | < 3.0 | 3.0 | ug/l | 1 | 12/10/10 | 12/13/10 VC | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Mercury | < 0.20 | 0.20 | ug/l | 1 | 12/13/10 | 12/13/10 JW | EPA 245.1 ² | EPA 245.1 ³ |
| Nickel | < 10 | 10 | ug/l | 1 | 12/10/10 | 12/13/10 VC | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Zinc | < 20 | 20 | ug/l | 1 | 12/10/10 | 12/13/10 VC | EPA 200.7 ¹ | EPA 200.7 ⁴ |

(1) Instrument QC Batch: MA25516

(2) Instrument QC Batch: MA25519

(3) Prep QC Batch: MP55972

(4) Prep QC Batch: MP56086

RL = Reporting Limit

Report of Analysis

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3

Client Sample ID: 184-TW-01-120810**Lab Sample ID:** JA63451-1**Date Sampled:** 12/08/10**Matrix:** AQ - Ground Water**Date Received:** 12/08/10**Percent Solids:** n/a**Project:** HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ

General Chemistry

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|----------------------------|--------|-----|-------|----|----------------|----|------------|
| BOD, 5 Day | < 10 | 10 | mg/l | 1 | 12/08/10 20:16 | AD | SM20 5210B |
| HEM Petroleum Hydrocarbons | < 5.2 | 5.2 | mg/l | 1 | 12/13/10 | SS | EPA 1664A |
| Solids, Total Suspended | 8.0 | 4.0 | mg/l | 1 | 12/13/10 | DD | SM20 2540D |

RL = Reporting Limit

4

4.1

2.0c

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ACCUTEST.
LABORATORIES
JA64138

Report of Analysis

Page 1 of 1

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3

| | | | |
|--------------------------|---|------------------------|----------|
| Client Sample ID: | 184-TW-01-121510 | Date Sampled: | 12/15/10 |
| Lab Sample ID: | JA64138-1 | Date Received: | 12/15/10 |
| Matrix: | AQ - Ground Water | Percent Solids: | n/a |
| Project: | HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ | | |

Total Metals Analysis

| Analyte | Result | RL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|----------|--------|------|-------|----|----------|-------------|------------------------|------------------------|
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 12/16/10 | 12/20/10 VC | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Chromium | 1030 | 10 | ug/l | 1 | 12/16/10 | 12/20/10 VC | EPA 200.7 ¹ | EPA 200.7 ⁴ |
| Copper | < 10 | 10 | ug/l | 1 | 12/16/10 | 12/21/10 GT | EPA 200.7 ³ | EPA 200.7 ⁴ |
| Lead | < 3.0 | 3.0 | ug/l | 1 | 12/16/10 | 12/21/10 GT | EPA 200.7 ³ | EPA 200.7 ⁴ |
| Mercury | 2.3 | 0.20 | ug/l | 1 | 12/20/10 | 12/20/10 JW | EPA 245.1 ² | EPA 245.1 ⁵ |
| Nickel | < 10 | 10 | ug/l | 1 | 12/16/10 | 12/21/10 GT | EPA 200.7 ³ | EPA 200.7 ⁴ |
| Zinc | < 20 | 20 | ug/l | 1 | 12/16/10 | 12/20/10 VC | EPA 200.7 ¹ | EPA 200.7 ⁴ |

(1) Instrument QC Batch: MA25563

(2) Instrument QC Batch: MA25564

(3) Instrument QC Batch: MA25567

(4) Prep QC Batch: MP56160

(5) Prep QC Batch: MP56214

RL = Reporting Limit

Report of Analysis

Page 1 of 1

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Client Sample ID: 184-TW-01-121510**Lab Sample ID:** JA64138-1**Date Sampled:** 12/15/10**Matrix:** AQ - Ground Water**Date Received:** 12/15/10**Percent Solids:** n/a**Project:** HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ

General Chemistry

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|----------------------------|--------|-----|-------|----|----------------|-----|------------|
| BOD, 5 Day | < 3.4 | 3.4 | mg/l | 1 | 12/15/10 20:40 | LS | SM20 5210B |
| HEM Petroleum Hydrocarbons | < 5.3 | 5.3 | mg/l | 1 | 12/22/10 | JOO | EPA 1664A |
| Solids, Total Suspended | 16.0 | 4.0 | mg/l | 1 | 12/17/10 | RI | SM20 2540D |

RL = Reporting Limit

Report of Analysis

Page 1 of 1

| | |
|---|--------------------------------|
| Client Sample ID: 184-TW-01-122210 | Date Sampled: 12/22/10 |
| Lab Sample ID: JA64876-1 | Date Received: 12/22/10 |
| Matrix: AQ - Ground Water | Percent Solids: n/a |
| Project: HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ | |

Total Metals Analysis

| Analyte | Result | RL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|----------|--------|------|-------|----|----------|-------------|------------------------|------------------------|
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 12/23/10 | 12/23/10 VC | EPA 200.7 ¹ | EPA 200.7 ³ |
| Chromium | 995 | 10 | ug/l | 1 | 12/23/10 | 12/23/10 VC | EPA 200.7 ¹ | EPA 200.7 ³ |
| Copper | < 10 | 10 | ug/l | 1 | 12/23/10 | 12/23/10 VC | EPA 200.7 ¹ | EPA 200.7 ³ |
| Lead | 13.2 | 3.0 | ug/l | 1 | 12/23/10 | 12/23/10 VC | EPA 200.7 ¹ | EPA 200.7 ³ |
| Mercury | 8.5 | 0.40 | ug/l | 2 | 12/29/10 | 12/29/10 VK | EPA 245.1 ² | EPA 245.1 ⁴ |
| Nickel | < 10 | 10 | ug/l | 1 | 12/23/10 | 12/23/10 VC | EPA 200.7 ¹ | EPA 200.7 ³ |
| Zinc | 25.5 | 20 | ug/l | 1 | 12/23/10 | 12/23/10 VC | EPA 200.7 ¹ | EPA 200.7 ³ |

(1) Instrument QC Batch: MA25582

(2) Instrument QC Batch: MA25598

(3) Prep QC Batch: MP56265

(4) Prep QC Batch: MP56279

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID: 184-TW-01-122210**Lab Sample ID:** JA64876-1**Date Sampled:** 12/22/10**Matrix:** AQ - Ground Water**Date Received:** 12/22/10**Percent Solids:** n/a**Project:** HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ


General Chemistry

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|----------------------------|--------|-----|-------|----|----------------|----|------------|
| BOD, 5 Day ^a | 22.1 | 20 | mg/l | 1 | 12/22/10 18:25 | LS | SM20 5210B |
| HEM Petroleum Hydrocarbons | < 5.3 | 5.3 | mg/l | 1 | 12/29/10 | MG | EPA 1664A |
| Solids, Total Suspended | 14.0 | 4.0 | mg/l | 1 | 12/23/10 | DD | SM20 2540D |

(a) Sample incubated for 6 days

RL = Reporting Limit

JA65167

| | | | | | | | | | | | | | |
|---|--|---|--|---|--|--|--|--|--|---|--|---|--|
| ACCUTEST Fresh Ponds Corporate Village, Building B 235 Route 130, Dayton, New Jersey 08810 32-329-0200 Phone, 732-329-3499 Fax | | Honeywell Chain Of Custody / Analysis Request | | | | | | | | | | AESI Ref: 38499.43915 COC #: 37811- Lab Use Only Lab Proj # Lab ID: ACTD PAGE 1 of 1 Job No. What is in the Text File? Mouse over here. Written and maintained by ARH (Ver 3.7) 03-01-05  | |
| Client Contact: (name, co., address) Andrew Shust - MACTEC Engineering and Consulting, Inc 100 American Metro Blvd., Suite 113 Hamilton, NJ 08619 | | Privileged & Confidential <input type="checkbox"/> Y <input type="checkbox"/> N | | Site Name: HUDSONCO | | Location of Site: SA-5, Site 184 | | | | | | | |
| Analyst: Dave Ambrose P.O. #: SG107010-36 Analysis Turnaround Time: Standard - N Rush Charges Authorized for - 2 weeks - 1 week - Y Next Day - | | Sample Date: 12/29/2010 Sample Time: 9:00 Sample Type: GW Sample Matrix: Water Sample Purpose: REG # of Cont.: 5 | | Preservation 0 1 2 3 4 5 6 7 8 9 10 11 12 Field Filtered Sample T Biological Oxygen Demand (BOD5) BI 6044 SGT-BEM 1208.7 Total Suspended Solids (TSS) 1208.7 | | | | | | | | | |
| Sample Identification Location ID: 184-TW-01 Start Depth (ft): End Depth (ft): Field Sample ID: 184-TW-01-122910 | | Sample Date: 12/29/2010 Sample Time: 9:00 Sample Type: GW Sample Matrix: Water Sample Purpose: REG # of Cont.: 5 | | | | | | | | | | | |
| Relinquished by: G. Pfeiffer Date/Time: 12/29/10 09:54 Relinquished by: G. Pfeiffer Date/Time: 12/29/10 11:50 | | Company: MACTEC Date/Time: 12/29/10 09:54 Company: ACTD Date/Time: 12/29/10 11:50 | | Received by: [Signature] Date/Time: 12/29/10 11:50 | | Company: ACTD Date/Time: 12/29/10 11:50 | | Condition: Coolers Temp. 50C Condition: 50C Condition: 50C | | Custody Seals Intact: [Signature] Custody Seals Intact: [Signature] Custody Seals Intact: [Signature] | | | |

Preservatives: 0 = None; 1 = HCL; 2 = HNO3; 3 = H2SO4; 4 = NaOH; 5 = Zn Acetate; 6 = MeOH; 7 = NaHSO4; 8 = Other (specify):

ALL SAMPLES RECEIVED
 PRESERVED AS APPLICABLE

JA65167: Chain of Custody
 Page 1 of 2

Report of Analysis

Page 1 of 1

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3

| | |
|---|--------------------------------|
| Client Sample ID: 184-TW-01-122910 | Date Sampled: 12/29/10 |
| Lab Sample ID: JA65167-1 | Date Received: 12/29/10 |
| Matrix: AQ - Ground Water | Percent Solids: n/a |
| Project: HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ | |

Total Metals Analysis

| Analyte | Result | RL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|----------|--------|------|-------|----|----------|-------------|------------------------|------------------------|
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 01/04/11 | 01/04/11 GT | EPA 200.7 ² | EPA 200.7 ⁴ |
| Chromium | 1190 | 10 | ug/l | 1 | 01/04/11 | 01/04/11 GT | EPA 200.7 ² | EPA 200.7 ⁴ |
| Copper | < 10 | 10 | ug/l | 1 | 01/04/11 | 01/04/11 GT | EPA 200.7 ² | EPA 200.7 ⁴ |
| Lead | 3.6 | 3.0 | ug/l | 1 | 01/04/11 | 01/04/11 GT | EPA 200.7 ² | EPA 200.7 ⁴ |
| Mercury | < 0.20 | 0.20 | ug/l | 1 | 01/03/11 | 01/03/11 VK | EPA 245.1 ¹ | EPA 245.1 ³ |
| Nickel | < 10 | 10 | ug/l | 1 | 01/04/11 | 01/04/11 GT | EPA 200.7 ² | EPA 200.7 ⁴ |
| Zinc | 21.3 | 20 | ug/l | 1 | 01/04/11 | 01/04/11 GT | EPA 200.7 ² | EPA 200.7 ⁴ |

(1) Instrument QC Batch: MA25611

(2) Instrument QC Batch: MA25622

(3) Prep QC Batch: MP56279

(4) Prep QC Batch: MP56359

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID: 184-TW-01-122910**Lab Sample ID:** JA65167-1**Date Sampled:** 12/29/10**Matrix:** AQ - Ground Water**Date Received:** 12/29/10**Percent Solids:** n/a**Project:** HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ**General Chemistry**

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|----------------------------|--------|-----|-------|----|----------------|----|------------|
| BOD, 5 Day | < 20 | 20 | mg/l | 1 | 12/29/10 17:10 | AD | SM20 5210B |
| HEM Petroleum Hydrocarbons | < 5.0 | 5.0 | mg/l | 1 | 01/05/11 | MG | EPA 1664A |
| Solids, Total Suspended | 166 | 4.0 | mg/l | 1 | 12/30/10 | DD | SM20 2540D |

RL = Reporting Limit



engineering and constructing a better tomorrow

February 28, 2011

VIA FAX AND EMAIL

Passaic Valley Sewerage Commissioner
600 Wilson Avenue
Newark, NJ 07105

Attn: Mr. Anthony Gammaro

Subject: Submittal of PVSC MR-1 for the month of January, 2011
Remedial Action - Study Area 5 (SA-5), New Jersey City University
(NJCU)
Sites 090, 184, and Portion of Site 153
Block 1286, Lots 5 & 6D; Block 1286.5 Lots 1 & 2; Block 1289.5, Lot E
Jersey City, Hudson County, New Jersey

Dear Mr. Gammaro:

Mactec Engineering and Consulting, Inc. (Mactec), on behalf of Honeywell International Inc. (Honeywell), is submitting a completed MR-1 Form to comply with permit condition no. 7 of the approved Letter of Authorization to Discharge dated September 24, 2010 for the above referenced site. Included with this submittal is the laboratory analytical package for the sampling.

Please note that this compliance report is submitted for monitoring period of January 1, 2011 to January 31, 2011. As shown on MR-1, all parameters sampled are within Passaic Valley Sewerage Commissioners (PVSC) compliance limits.

Please contact any of the undersigned at (609) 689-2829 if you have any questions or require further information.

Sincerely,

Mactec Engineering & Consulting, Inc.

A handwritten signature in black ink, appearing to read "Brent O'Dell", enclosed within a circular scribble.

Brent O'Dell, P.E., DEE
Senior Principal Engineer

A handwritten signature in black ink, appearing to read "Kinjal Shah", with the words "with permission from" written in a smaller, cursive script below it.

Kinjal Shah, E.I.T
Senior Engineer

Cc: Maria Kaouris, Honeywell.

Honeywell International Inc.
PVSC MR-1 Reporting for SA-5
January 31, 2011
Page 2 of 2

John Mojka, Honeywell
Joe Clifford, Mactec
Stu Bills, Mactec
Dave Ambrose, Mactec
File

PRETREATMENT MONITORING REPORT

NAME: Kinjal Shah & Dave Ambrose MACTEC Engineering & Consulting Inc.

MAILING ADDRESS: Honeywell International Inc. 101 Columbia Road, Morristown, NJ 07692

FACILITY LOCATION: Route 440 and Carbon Place, Jersey City, NJ 07305

CATEGORY & SUBPART: NA OUTLET #: 1

CONTACT OFFICIAL: Maria Kaouris, Remediation Manager TELEPHONE: 973-455-3302

NEW CUSTOMER ID / OUTLET ID: NA OLD OUTLET DESIGNATION: NA

| MONITORING PERIOD | | | | | |
|-------------------|-----|------|-----|-----|------|
| Start | | | End | | |
| Jan | 1 | 2011 | Jan | 31 | 2011 |
| MO | DAY | YR | MO | DAY | YR |

| | | | |
|------------------------|---------|---------|--|
| | Average | Maximum | |
| Regulated Flow-gal/day | | | |
| Total Flow-gal/day | 44,488 | 66,080 | |

Method Used: 24 hr meter readings 31 Flowmeter readings / 31 working days.

Production Rate (if applicable) NA

| PARAMETER | | MASS OR CONCENTRATION | | | # OF SAMPLES | SAMPLE TYPE COMP/GRAB |
|------------|--------------------|-----------------------|---------|---------|--------------|--------------------------|
| | | MON AVG | MAXIMUM | UNITS | | |
| Cd | Sample Measurement | <0.003 | <0.003 | Mg/l | 1 | Comp |
| | Permit Requirement | 0.19 | | Mg/l | | |
| Cu | Sample Measurement | <0.010 | <0.010 | Mg/l | 1 | Comp |
| | Permit Requirement | 3.02 | | Mg/l | | |
| Pb | Sample Measurement | <0.003 | <0.003 | Mg/l | 1 | Comp |
| | Permit Requirement | 0.54 | | Mg/l | | |
| Hg | Sample Measurement | 0.0012 | 0.0012 | Mg/l | 1 | Comp |
| | Permit Requirement | 0.080 | | Mg/l | | |
| Ni | Sample Measurement | <0.010 | <0.010 | Mg/l | 1 | Comp |
| | Permit Requirement | 5.9 | | Mg/l | | |
| Zn | Sample Measurement | <0.020 | <0.020 | Mg/l | 1 | Comp |
| | Permit Requirement | 1.67 | | Mg/l | | |
| Cr (Total) | Sample Measurement | 0.4 | 0.4 | Lbs/day | 1 | Comp |
| | Permit Requirement | | 11 | Lbs/day | | |
| SGT-HEM | Sample Measurement | <5.1 | <5.1 | Mg/l | 1 | Comp |
| | Permit Requirement | 100 | 150 | Mg/l | | |
| BOD | Sample Measurement | <10.0 | <10.0 | Mg/l | 1 | Comp |
| | Permit Requirement | | | Mg/l | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |

PRETREATMENT MONITORING REPORT

Certification of Non-Use if applicable (use additional sheets): NA

Compliance or non compliance statement with compliance schedule (use additional sheets if necessary) for every

parameter used: Honeywell International Inc. is in compliance with all conditions set forth by PVSC.

Explain Method for preserving samples: All samples were stored in a cooler to preserve the samples at a temperature < 4° C and were taken by

Accutest Laboratories approximately 30 minutes after samples were stored.

I certify under penalty of law that this document and attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

403.6(a)(2)(ii) revised by 53 FR 40610, October 17, 1988



Signature of Principal

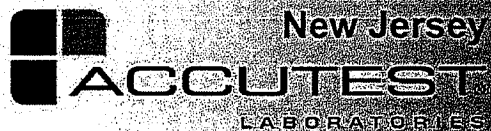
Executive or Authorized Agent

Brent O'Dell
Senior Principal Engineer

Type Name and Title

2/28/11

Date



Sample Results

Report of Analysis

Report of Analysis

Page 1 of 1

3.1

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| | | | |
|--------------------------|---|------------------------|----------|
| Client Sample ID: | 184-TW-01-010511 | Date Sampled: | 01/05/11 |
| Lab Sample ID: | JA65469-1 | Date Received: | 01/05/11 |
| Matrix: | AQ - Ground Water | Percent Solids: | n/a |
| Project: | HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ | | |

Total Metals Analysis

| Analyte | Result | RL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|----------|--------|------|-------|----|----------|-------------|------------------------|------------------------|
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 01/07/11 | 01/07/11 GT | EPA 200.7 ¹ | EPA 200.7 ³ |
| Chromium | 899 | 10 | ug/l | 1 | 01/07/11 | 01/07/11 GT | EPA 200.7 ¹ | EPA 200.7 ³ |
| Copper | < 10 | 10 | ug/l | 1 | 01/07/11 | 01/07/11 GT | EPA 200.7 ¹ | EPA 200.7 ³ |
| Lead | < 3.0 | 3.0 | ug/l | 1 | 01/07/11 | 01/07/11 GT | EPA 200.7 ¹ | EPA 200.7 ³ |
| Mercury | 1.2 | 0.20 | ug/l | 1 | 01/09/11 | 01/10/11 JW | EPA 245.1 ² | EPA 245.1 ⁴ |
| Nickel | < 10 | 10 | ug/l | 1 | 01/07/11 | 01/07/11 GT | EPA 200.7 ¹ | EPA 200.7 ³ |
| Zinc | < 20 | 20 | ug/l | 1 | 01/07/11 | 01/07/11 GT | EPA 200.7 ¹ | EPA 200.7 ³ |

- (1) Instrument QC Batch: MA25650
 (2) Instrument QC Batch: MA25660
 (3) Prep QC Batch: MP56413
 (4) Prep QC Batch: MP56439

 RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID: 184-TW-01-010511

Lab Sample ID: JA65469-1

Matrix: AQ - Ground Water

Date Sampled: 01/05/11

Date Received: 01/05/11

Percent Solids: n/a

Project: HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ

General Chemistry

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|----------------------------|--------|-----|-------|----|----------------|-----|------------|
| BOD, 5 Day | <10 | 10 | mg/l | 1 | 01/05/11 19:05 | LS | SM20 5210B |
| HEM Petroleum Hydrocarbons | <5.1 | 5.1 | mg/l | 1 | 01/08/11 | JOO | EPA 1664A |
| Solids, Total Suspended | 22.0 | 4.0 | mg/l | 1 | 01/06/11 | DD | SM20 2540D |

RL = Reporting Limit



New Jersey

ACCUTEST

LABORATORIES

4

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody



JA65469

9 of 155

ACCUTEST

LABORATORIES



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA65469

Client: _____

Immediate Client Services Action Required: No

Date / Time Received: 1/5/2011

Delivery Method: _____

Client Service Action Required at Login: No

Project: _____

No. Coolers: 1

Airbill #'s: _____

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | Infrared gun | |
| 3. Cooler media: | Ice (bag) | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Samples preserved properly: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. VOCs headspace free: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. Compositing instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments

Accutest Laboratories
V: 732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www.accutest.com

JA65469: Chain of Custody
Page 2 of 2

USER CHARGE SELF MONITORING REPORT

NAME: David Ambrose

ADDRESS: Honeywell International Inc. 101 Columbia Rd. Morristown

FACILITY LOCATION: Rt. 440 & Carbon Place, Jersey City, NJ 07305 N.Y.

NEW CUSTOMER ID / OUTLET ID: 2A


OLD OUTLET DESIGNATION: 2A

| START | | | END | | |
|-------|-----|------|-----|-----|------|
| JAN | 1 | 2011 | JAN | 31 | 2011 |
| MO | DAY | YR | MO | DAY | YR |

| |
|---|
| VOL DISCHARGED THIS PERIOD |
| 1,379,140 GALS |
| CU. FT X 7.48 = GALLONS |
| 6,736,360 |
| EFFLUENT METER READING LAST DAY THIS PERIOD |

[illegible][illegible]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| | | |
|---|---------------------|------------------|
| SIGNATURE OF PRINCIPAL OR AUTHORIZED AGENT | TYPE NAME AND TITLE | TELEPHONE NUMBER |
|  | David Ambrose | 484-542-0980 |
| | QA Manager | |
| | | DATE 3/4/2011 |



engineering and constructing a better tomorrow

March 29, 2011

VIA FAX AND EMAIL

Passaic Valley Sewerage Commissioner
600 Wilson Avenue
Newark, NJ 07105

Attn: Mr. Anthony Gammaro

Subject: Submittal of PVSC MR-1 for the month of February, 2011
Remedial Action - Study Area 5 (SA-5), New Jersey City University
(NJCU)
Sites 090, 184, and Portion of Site 153
Block 1286, Lots 5 & 6D; Block 1286.5 Lots 1 & 2; Block 1289.5, Lot E
Jersey City, Hudson County, New Jersey

Dear Mr. Gammaro:

Mactec Engineering and Consulting, Inc. (Mactec), on behalf of Honeywell International Inc. (Honeywell), is submitting a completed MR-1 Form to comply with permit condition no. 7 of the approved Letter of Authorization to Discharge dated September 24, 2010 for the above referenced site. Included with this submittal is the laboratory analytical package for the sampling.

Please note that this compliance report is submitted for monitoring period of February 1, 2011 to February 28, 2011. As shown on MR-1, all parameters sampled are within Passaic Valley Sewerage Commissioners (PVSC) compliance limits.

Please contact any of the undersigned at (609) 689-2829 if you have any questions or require further information.

Sincerely,

Mactec Engineering & Consulting, Inc.

A handwritten signature in black ink, appearing to read "Brent O'Dell", written over a series of horizontal lines.

Brent O'Dell, P.E., DEE
Senior Principal Engineer

A handwritten signature in black ink, appearing to read "Kinjal Shah", written over a series of horizontal lines.

Kinjal Shah, E.I.T.
Senior Engineer

Cc: Maria Kaouris, Honeywell.

Honeywell International Inc.
PVSC MR-1 Reporting for SA-5
March 29, 2011
Page 2 of 2

John Mojka, Honeywell
Joe Clifford, Mactec
Stu Bills, Mactec
Dave Ambrose, Mactec
File

PRETREATMENT MONITORING REPORT

NAME: Kinjal Shah & Dave Ambrose MACTEC Engineering & Consulting Inc.

MAILING ADDRESS: Honeywell International Inc. 101 Columbia Road, Morristown, NJ 07692

FACILITY LOCATION: Route 440 and Carbon Place, Jersey City, NJ 07305

CATEGORY & SUBPART: NA OUTLET #: 1

CONTACT OFFICIAL: Maria Kaouris, Remediation Manager TELEPHONE: 973-455-3302

NEW CUSTOMER ID / OUTLET ID: NA OLD OUTLET DESIGNATION: NA

| MONITORING PERIOD | | | | | |
|-------------------|-----|------|-----|-----|------|
| Start | | | End | | |
| Feb | 1 | 2011 | Feb | 28 | 2011 |
| MO | DAY | YR | MO | DAY | YR |

Average Maximum

Regulated Flow-gal/day _____

Total Flow-gal/day 43,985 65,917

Method Used: 24 hr meter readings 28 Flowmeter readings / 28 working days.

Production Rate (if applicable) NA

| PARAMETER | | MASS OR CONCENTRATION | | | # OF SAMPLES | SAMPLE TYPE COMP/GRAB |
|------------|--------------------|-----------------------|---------|---------|--------------|--------------------------|
| | | MON AVG | MAXIMUM | UNITS | | |
| Cd | Sample Measurement | <0.003 | <0.003 | Mg/l | 1 | Comp |
| | Permit Requirement | 0.19 | | Mg/l | | |
| Cu | Sample Measurement | <0.010 | <0.010 | Mg/l | 1 | Comp |
| | Permit Requirement | 3.02 | | Mg/l | | |
| Pb | Sample Measurement | <0.003 | <0.003 | Mg/l | 1 | Comp |
| | Permit Requirement | 0.54 | | Mg/l | | |
| Hg | Sample Measurement | <0.0002 | <0.0002 | Mg/l | 1 | Comp |
| | Permit Requirement | 0.080 | | Mg/l | | |
| Ni | Sample Measurement | <0.010 | <0.010 | Mg/l | 1 | Comp |
| | Permit Requirement | 5.9 | | Mg/l | | |
| Zn | Sample Measurement | 0.0231 | 0.0231 | Mg/l | 1 | Comp |
| | Permit Requirement | 1.67 | | Mg/l | | |
| Cr (Total) | Sample Measurement | 0.3 | 0.3 | Lbs/day | 1 | Comp |
| | Permit Requirement | | 11 | Lbs/day | | |
| SGT-HEM | Sample Measurement | <5.3 | <5.3 | Mg/l | 1 | Comp |
| | Permit Requirement | 100 | 150 | Mg/l | | |
| BOD | Sample Measurement | 50.1 | | Mg/l | 1 | Comp |
| | Permit Requirement | | | Mg/l | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |

PRETREATMENT MONITORING REPORT

Certification of Non-Use if applicable (use additional sheets): NA

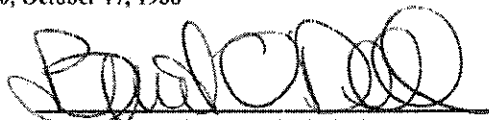
Compliance or non compliance statement with compliance schedule (use additional sheets if necessary) for every

parameter used: Honeywell International Inc. is in compliance with all conditions set forth by PVSC.

Explain Method for preserving samples: All samples were stored in a cooler to preserve the samples at a temperature $< 4^{\circ}\text{C}$ and were taken by
Accutest Laboratories approximately 30 minutes after samples were stored.

I certify under penalty of law that this document and attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

403 6(a)(2)(ii) revised by 53 FR 40610, October 17, 1988



Signature of Principal

Executive or Authorized Agent

Brent O'Dell P.E., DEE
Senior Principal Engineer

Type Name and Title

3/28/11

Date



New Jersey

ACCUTEST

LABORATORIES



Sample Results

Report of Analysis



Report of Analysis

Page 1 of 1

| | |
|---|--------------------------------|
| Client Sample ID: 184-TW-01-020311 | Date Sampled: 02/03/11 |
| Lab Sample ID: JA67371-1 | Date Received: 02/03/11 |
| Matrix: AQ - Ground Water | Percent Solids: n/a |
| Project: HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ | |

Total Metals Analysis

| Analyte | Result | RL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|----------|--------|------|-------|----|----------|--------------|------------------------|------------------------|
| Cadmium | <3.0 | 3.0 | ug/l | 1 | 02/07/11 | 02/08/11 MEI | EPA 200.7 ² | EPA 200.7 ⁴ |
| Chromium | 911 | 10 | ug/l | 1 | 02/07/11 | 02/08/11 MEI | EPA 200.7 ² | EPA 200.7 ⁴ |
| Copper | <10 | 10 | ug/l | 1 | 02/07/11 | 02/08/11 MEI | EPA 200.7 ² | EPA 200.7 ⁴ |
| Lead | <3.0 | 3.0 | ug/l | 1 | 02/07/11 | 02/08/11 MEI | EPA 200.7 ² | EPA 200.7 ⁴ |
| Mercury | <0.20 | 0.20 | ug/l | 1 | 02/07/11 | 02/07/11 JW | EPA 245.1 ¹ | EPA 245.1 ³ |
| Nickel | <10 | 10 | ug/l | 1 | 02/07/11 | 02/08/11 MEI | EPA 200.7 ² | EPA 200.7 ⁴ |
| Zinc | 23.1 | 20 | ug/l | 1 | 02/07/11 | 02/08/11 MEI | EPA 200.7 ² | EPA 200.7 ⁴ |

- (1) Instrument QC Batch: MA25794
 (2) Instrument QC Batch: MA25800
 (3) Prep QC Batch: MP56754
 (4) Prep QC Batch: MP56757

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID: 184-IW-01-020311

Lab Sample ID: JA67371-1

Matrix: AQ - Ground Water

Date Sampled: 02/03/11

Date Received: 02/03/11

Percent Solids: n/a

Project: HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ

General Chemistry

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|----------------------------|--------|-----|-------|----|----------------|----|------------|
| BOD, 5 Day | 50.1 | 10 | mg/l | 1 | 02/03/11 16:00 | AD | SM20 5210B |
| HEM Petroleum Hydrocarbons | < 5.3 | 5.3 | mg/l | 1 | 02/09/11 | MG | EPA 1664A |
| Solids Total Suspended | 27.0 | 4.0 | mg/l | 1 | 02/04/11 | DD | SM20 2540D |

RL = Reporting Limit



New Jersey
ACCUTEST
LABORATORIES

4

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA67371

Client:

Immediate Client Services Action Required: No

Date / Time Received: 2/3/2011

Delivery Method:

Client Service Action Required at Login: No

Project:

No. Coolers: 1

Airbill #'s:

Cooler Security

Y or N

Y or N

- | | | | | | |
|--------------------------|-------------------------------------|--------------------------|----------------------|-------------------------------------|--------------------------|
| 1 Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3 COC Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2 Custody Seals Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4 Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Cooler Temperature

Y or N

- | | | |
|-----------------------------|-------------------------------------|--------------------------|
| 1 Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2 Cooler temp verification: | infrared gun | |
| 3 Cooler media: | ice (bag) | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|--------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 Trip Blank present / cooler: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2 Trip Blank listed on COC: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3 Samples preserved properly: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4 VOCs headspace free: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Sample Integrity - Documentation

Y or N

- | | | |
|---------------------------------------|-------------------------------------|--------------------------|
| 1 Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2 Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3 Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Condition

Y or N

- | | | |
|---------------------------------|-------------------------------------|--------------------------|
| 1 Sample recvd within HT: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2 All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3 Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N

N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1 Analysis requested is clear: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2 Bottles received for unspecified tests: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 3 Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4 Compositing instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5 Filtering instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments

Accutest Laboratories
V: 732.329.0200

2235 US Highway 130
F: 732.329.3489

Dayton, New Jersey
www.accutest.com

JA67371: Chain of Custody
Page 2 of 2

USER CHARGE SELF MONITORING REPORT

NAME: David Ambrose
ADDRESS: Honeywell International Inc 101 Columbia Rd. Morristown, NJ
FACILITY LOCATION: Rt. 440 & Carbow Place, Jersey City, NJ 07305
NEW CUSTOMER ID/OUTLET ID: NJA OLD OUTLET DESIGNATION: NA

| MONITORING PERIOD | | | | | |
|-------------------|-----|------|-----|-----|------|
| START | | | END | | |
| Feb | 1 | 2011 | Feb | 28 | 2011 |
| MO | DAY | YR | MO | DAY | YR |

| | |
|---|------|
| VOL. DISCHARGED THIS PERIOD | |
| 1,231,587 | GALS |
| CU. FT X 7.48 = GALLONS | |
| 1,967,947 | |
| EFFLUENT METER READING LAST DAY THIS PERIOD | |

[illegible][illegible]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| | | |
|---|---------------------|--------------------|
| SIGNATURE OF PRINCIPAL OR AUTHORIZED AGENT | TYPE NAME AND TITLE | TELEPHONE NUMBER |
| <i>David Ambrose</i> | David Ambrose | 484-542-0980 |
| | QA Manager | |
| | | DATE 3 23 2011 |



engineering and constructing a better tomorrow

April 29, 2011

VIA FAX AND EMAIL

Passaic Valley Sewerage Commissioner
600 Wilson Avenue
Newark, NJ 07105

Attn: Mr. Anthony Gammaro

Subject: Submittal of PVSC MR-1 for the month of March, 2011
Remedial Action - Study Area 5 (SA-5), New Jersey City University
(NJCU)
Sites 090, 184, and Portion of Site 153
Block 1286, Lots 5 & 6D; Block 1286.5 Lots 1 & 2; Block 1289.5, Lot E
Jersey City, Hudson County, New Jersey

Dear Mr. Gammaro:

Mactec Engineering and Consulting, Inc. (Mactec), on behalf of Honeywell International Inc. (Honeywell), is submitting a completed MR-1 Form to comply with permit condition no. 7 of the approved Letter of Authorization to Discharge dated September 24, 2010 for the above referenced site. Included with this submittal is the laboratory analytical package for the sampling.

Please note that this compliance report is submitted for monitoring period of March 1, 2011 to March 31, 2011. As shown on MR-1, all parameters sampled are within Passaic Valley Sewerage Commissioners (PVSC) compliance limits.

Please contact any of the undersigned at (609) 689-2829 if you have any questions or require further information.

Sincerely,

Mactec Engineering & Consulting, Inc.

A handwritten signature in black ink, appearing to read "Brent O'Dell", written over a horizontal line.

Brent O'Dell, P.E., DEE
Senior Principal Engineer

A handwritten signature in black ink, appearing to read "K. C. Shah", written over a horizontal line.

Kinjal Shah, E.I.T
Senior Engineer

Cc: Maria Kaouris, Honeywell.

Honeywell International Inc.
PVSC MR-1 Reporting for SA-5
April 29, 2011
Page 2 of 2

John Mojka, Honeywell
Joe Clifford, Mactec
Stu Bills, Mactec
Dave Ambrose, Mactec
File

PRETREATMENT MONITORING REPORT

NAME: Kinjal Shah & Dave Ambrose MACTEC Engineering & Consulting Inc.

MAILING ADDRESS: Honeywell International Inc. 101 Columbia Road, Morristown, NJ 07692

FACILITY LOCATION: Route 440 and Carbon Place, Jersey City, NJ 07305

CATEGORY & SUBPART: NA OUTLET #: 1

CONTACT OFFICIAL: Maria Kaouris, Remediation Manager TELEPHONE: 973-455-3302

NEW CUSTOMER ID / OUTLET ID: NA OLD OUTLET DESIGNATION: NA

| MONITORING PERIOD | | | | | |
|-------------------|-----|------|-----|-----|------|
| Start | | | End | | |
| Mar | 1 | 2011 | Mar | 31 | 2011 |
| MO | DAY | YR | MO | DAY | YR |

| | | |
|------------------------|---------|---------|
| | Average | Maximum |
| Regulated Flow-gal/day | | |
| Total Flow-gal/day | 34,267 | 123,790 |

Method Used: 24 hr meter readings 31 Flowmeter readings / 31 working days.

Production Rate (if applicable) NA

| PARAMETER | | MASS OR CONCENTRATION | | | # OF SAMPLES | SAMPLE TYPE COMP/GRAB |
|------------|--------------------|-----------------------|---------|---------|--------------|--------------------------|
| | | MON AVG | MAXIMUM | UNITS | | |
| Cd | Sample Measurement | <0.003 | <0.003 | Mg/l | 1 | Comp |
| | Permit Requirement | 0.19 | | Mg/l | | |
| Cu | Sample Measurement | 0.0293 | 0.0293 | Mg/l | 1 | Comp |
| | Permit Requirement | 3.02 | | Mg/l | | |
| Pb | Sample Measurement | <0.003 | <0.003 | Mg/l | 1 | Comp |
| | Permit Requirement | 0.54 | | Mg/l | | |
| Hg | Sample Measurement | <0.0002 | <0.0002 | Mg/l | 1 | Comp |
| | Permit Requirement | 0.080 | | Mg/l | | |
| Ni | Sample Measurement | <0.010 | <0.010 | Mg/l | 1 | Comp |
| | Permit Requirement | 5.9 | | Mg/l | | |
| Zn | Sample Measurement | <0.020 | <0.020 | Mg/l | 1 | Comp |
| | Permit Requirement | 1.67 | | Mg/l | | |
| Cr (Total) | Sample Measurement | 0.4 | 0.4 | Lbs/day | 1 | Comp |
| | Permit Requirement | | 11 | Lbs/day | | |
| SGT-HEM | Sample Measurement | <5.1 | <5.1 | Mg/l | 1 | Comp |
| | Permit Requirement | 100 | 150 | Mg/l | | |
| BOD | Sample Measurement | <3.4 | | Mg/l | 1 | Comp |
| | Permit Requirement | | | Mg/l | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |

PRETREATMENT MONITORING REPORT

Certification of Non-Use if applicable (use additional sheets): NA

Compliance or non compliance statement with compliance schedule (use additional sheets if necessary) for every

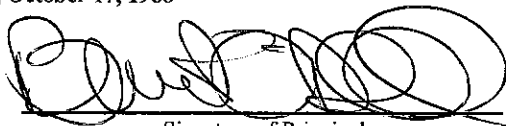
parameter used: Honeywell International Inc. is in compliance with all conditions set forth by PVSC.

Explain Method for preserving samples: All samples were stored in a cooler to preserve the samples at a temperature < 4° C and were taken by

Accutest Laboratories approximately 30 minutes after samples were stored.

I certify under penalty of law that this document and attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

403.6(a)(2)(ii) revised by 53 FR 40610, October 17, 1988



Signature of Principal

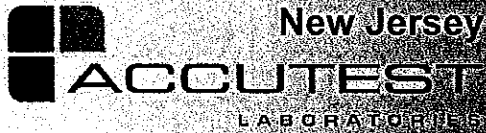
Executive or Authorized Agent

Brenda O'Dell
Senior Principal Engineer

Type Name and Title

7/29/11

Date



Sample Results

Report of Analysis

Report of Analysis

Page 1 of 1

3.1

3

Client Sample ID: 184-TW-01-020311**Lab Sample ID:** JA69315-1**Matrix:** AQ - Ground Water**Date Sampled:** 03/02/11**Date Received:** 03/02/11**Percent Solids:** n/a**Project:** HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ

Total Metals Analysis

| Analyte | Result | RL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|----------|--------|------|-------|----|----------|-------------|------------------------|--------------------------|
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 03/07/11 | 03/07/11 VC | EPA 200.7 ² | SW846 3010A ⁴ |
| Chromium | 721 | 10 | ug/l | 1 | 03/07/11 | 03/07/11 VC | EPA 200.7 ² | SW846 3010A ⁴ |
| Copper | 29.3 | 10 | ug/l | 1 | 03/07/11 | 03/07/11 VC | EPA 200.7 ² | SW846 3010A ⁴ |
| Lead | < 3.0 | 3.0 | ug/l | 1 | 03/07/11 | 03/07/11 VC | EPA 200.7 ² | SW846 3010A ⁴ |
| Mercury | < 0.20 | 0.20 | ug/l | 1 | 03/04/11 | 03/04/11 VK | EPA 245.1 ¹ | EPA 245.1 ³ |
| Nickel | < 10 | 10 | ug/l | 1 | 03/07/11 | 03/07/11 VC | EPA 200.7 ² | SW846 3010A ⁴ |
| Zinc | < 20 | 20 | ug/l | 1 | 03/07/11 | 03/07/11 VC | EPA 200.7 ² | SW846 3010A ⁴ |

(1) Instrument QC Batch: MA25924

(2) Instrument QC Batch: MA25926

(3) Prep QC Batch: MP56983

(4) Prep QC Batch: MP57070

RL = Reporting Limit

Report of Analysis

Page 1 of 1

3.1

3

| | | | |
|--------------------------|---|------------------------|----------|
| Client Sample ID: | 184-TW-01-020311 | Date Sampled: | 03/02/11 |
| Lab Sample ID: | JA69315-1 | Date Received: | 03/02/11 |
| Matrix: | AQ - Ground Water | Percent Solids: | n/a |
| Project: | HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ | | |

General Chemistry

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|----------------------------|--------|-----|-------|----|----------------|----|------------|
| BOD, 5 Day | < 3.4 | 3.4 | mg/l | 1 | 03/02/11 16:30 | AD | SM20 5210B |
| HEM Petroleum Hydrocarbons | < 5.1 | 5.1 | mg/l | 1 | 03/08/11 | MG | EPA 1664A |
| Solids, Total Suspended | 4.0 | 4.0 | mg/l | 1 | 03/03/11 | DD | SM20 2540D |

RL = Reporting Limit



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

ACCUTEST
Fresh Ponds Corporate Village, Building B
2235 Route 130, Dayton, New Jersey 08810
732-329-0200 Phone, 732-329-3499 Fax

Honeywell Chain of Custody / Analysis Request

ARSI Ref: 36439,43915
COC #: 07811-
Lab Use Only
Lab Proj #
Lab ID ACTD
PAGE 1 of 1
Job No.
What is in the Test File? Mouse over here.
Written and maintained by ARSI (Ver 3.7) 01-01-05 (www.arsilab.com)

Client Contact (name, co., address)
Andrew Shust - MACTEC Engineering and Consulting, Inc.
200 American Metro Blvd., Suite 113
Hamilton, NJ 08619

Sample ID: Andrew Shust (MACTEC)
P.O. #: SC18/2016-36
Analysis Turnaround Time:
Standard - N
Push Charge Authorized for - 2 weeks -
1 week - Y
Next Day -

Site Name: HUDSONCO
Location of Site: SA-5, Site 184

Preservative:
0 1 2 3 4 5 6 7 8 9 10 11 12
Field Filtered Sample 2
Biochemical Oxygen Demand (BOD)
016444 507-1824
0200-7
Total Suspended Solids (TSS)

Sample Identification
Location ID Start Depth (ft) End Depth (ft) Field Sample ID
1 184-TW-01-1 184-TW-01-030211 3/2/2011 9:00 GW Water REG S

Sample Date Sample Time Sample Type Sample Matrix Sample Purpose # of Cont.
Units
mg/L
mg/L
mg/L
mg/L

* E200.7 - report only Total Chromium, Cadmium, Copper, Lead, Nickel, Mercury, Zinc *

Received by: MACTEC Company MACTEC
Date/Time: 3/2/11 11:30
Received by: J. Kreyer
Date/Time: 3/2/11 12:05
Condition: ACTD
Cooler Temp.: 3.0°C
Custody Seals Intact: Yes

Preservatives: 0 = None; 1 = HCL; 2 = HNO3; 3 = H2SO4; 4 = NaOH; 5 = Zn Acetate; 6 = H2O2; 7 = NaHSO4; 8 = Other (specify):

ALL SAMPLES RECEIVED
RESERVED AS APPLICABLE

JA69315: Chain of Custody
Page 1 of 2



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA69315

Client:

Immediate Client Services Action Required: No

Date / Time Received: 3/2/2011

Delivery Method:

Client Service Action Required at Login: No

Project:

No. Coolers: 1

Airbill #'s:

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | Infrared gun | |
| 3. Cooler media: | Ice (bag) | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|--------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 3. Samples preserved properly: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. VOCs headspace free: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N

N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. Compositing instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments

Accutest Laboratories
V: 732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www.accutest.com

JA69315: Chain of Custody

Page 2 of 2

USER CHARGE SELF MONITORING REPORT

NAME: David Ambrose
 ADDRESS: Honeywell International Inc. 101 Columbia Rd. Morristown, NJ.
 FACILITY LOCATION: Rt. 440. & Carbon Place, Jersey City, NJ 07305
 NEW CUSTOMER ID / OUTLET ID: NA OLD OUTLET DESIGNATION: NA

| MONITORING PERIOD | | | | | |
|-------------------|-----|------|-----|-----|------|
| START | | | END | | |
| MAR | 1 | 2011 | MAR | 31 | 2011 |
| MO | DAY | YR | MO | DAY | YR |

| VOL DISCHARGED THIS PERIOD | |
|---|------|
| 1,062,277 | GALS |
| CU. FT X 7.48 = GALLONS | |
| 9,030,224 | |
| EFFLUENT METER READING LAST DAY THIS PERIOD | |

| DATE | BOD | TSS |
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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| SIGNATURE OF PRINCIPAL OR AUTHORIZED AGENT | TYPE NAME AND TITLE | TELEPHONE NUMBER |
|--|---------------------------------|-----------------------|
| <u>David Ambrose</u> | <u>David Ambrose QA MANAGER</u> | <u>484-542-0980</u> |
| | | |
| | | DATE <u>4/15/2011</u> |



engineering and constructing a better tomorrow

May 26, 2011

VIA FAX AND EMAIL

Passaic Valley Sewerage Commissioner
600 Wilson Avenue
Newark, NJ 07105

Attn: Mr. Anthony Gammaro

Subject: Submittal of PVSC MR-1 and MR-2 for the month of April, 2011
Remedial Action - Study Area 5 (SA-5), New Jersey City University
(NJCU)
Sites 090, 184, and Portion of Site 153
Block 1286, Lots 5 & 6D; Block 1286.5 Lots 1 & 2; Block 1289.5, Lot E
Jersey City, Hudson County, New Jersey

Dear Mr. Gammaro:

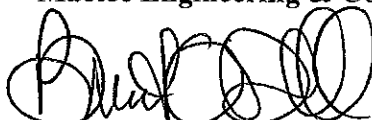
Mactec Engineering and Consulting, Inc. (Mactec), on behalf of Honeywell International Inc. (Honeywell), is submitting a completed MR-1 Form to comply with permit condition no. 7 of the approved Letter of Authorization to Discharge dated September 24, 2010 for the above referenced site. Included with this submittal is the laboratory analytical package for the sampling. A completed form MR-2 is also attached for the volume discharged in the month of April, 2011.

Please note that this compliance report is submitted for monitoring period of April 1, 2011 to April 30, 2011. As shown on MR-1, all parameters sampled are within Passaic Valley Sewerage Commissioners (PVSC) compliance limits.

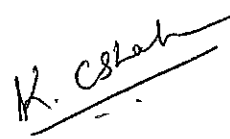
Please contact any of the undersigned at (609) 689-2829 if you have any questions or require further information.

Sincerely,

Mactec Engineering & Consulting, Inc.



Brent O'Dell, P.E., DEE
Senior Principal Engineer



Kinjal Shah, E.I.T
Senior Engineer

Honeywell International Inc.
PVSC MR-1 and MR-2 Reporting for SA-5
May 26, 2011
Page 2 of 2

Cc: Maria Kaouris, Honeywell.
John Mojka, Honeywell
Joe Clifford, Mactec
Stu Bills, Mactec
Dave Ambrose, Mactec
File

PRETREATMENT MONITORING REPORT

NAME: Kinjal Shah & Dave Ambrose MACTEC Engineering & Consulting Inc.

MAILING ADDRESS: Honeywell International Inc. 101 Columbia Road, Morristown, NJ 07692

FACILITY LOCATION: Route 440 and Carbon Place, Jersey City, NJ 07305

CATEGORY & SUBPART: NA OUTLET #: 1

CONTACT OFFICIAL: Maria Kaouris, Remediation Manager TELEPHONE: 973-455-3302

NEW CUSTOMER ID / OUTLET ID: NA OLD OUTLET DESIGNATION: NA

| MONITORING PERIOD | | | | | |
|-------------------|-----|------|-------|-----|------|
| Start | | | End | | |
| April | 1 | 2011 | April | 30 | 2011 |
| MO | DAY | YR | MO | DAY | YR |

| | | |
|------------------------|---------|---------|
| | Average | Maximum |
| Regulated Flow-gal/day | | |
| Total Flow-gal/day | 21,734 | 118,932 |

Method Used: 24 hr meter readings 30 Flowmeter readings / 30 working days.

Production Rate (if applicable) NA

| PARAMETER | | MASS OR CONCENTRATION | | | # OF SAMPLES | SAMPLE TYPE |
|------------|--------------------|-----------------------|---------|---------|--------------|-------------|
| | | MON AVG | MAXIMUM | UNITS | | |
| Cd | Sample Measurement | <0.003 | <0.003 | Mg/l | 1 | Comp |
| | Permit Requirement | 0.19 | | Mg/l | | |
| Cu | Sample Measurement | 0.0132 | 0.0132 | Mg/l | 1 | Comp |
| | Permit Requirement | 3.02 | | Mg/l | | |
| Pb | Sample Measurement | 0.0095 | 0.0095 | Mg/l | 1 | Comp |
| | Permit Requirement | 0.54 | | Mg/l | | |
| Hg | Sample Measurement | 0.0193 | 0.0193 | Mg/l | 1 | Comp |
| | Permit Requirement | 0.080 | | Mg/l | | |
| Ni | Sample Measurement | <0.010 | <0.010 | Mg/l | 1 | Comp |
| | Permit Requirement | 5.9 | | Mg/l | | |
| Zn | Sample Measurement | <0.020 | <0.020 | Mg/l | 1 | Comp |
| | Permit Requirement | 1.67 | | Mg/l | | |
| Cr (Total) | Sample Measurement | 0.0444 | 0.0444 | Lbs/day | 1 | Comp |
| | Permit Requirement | | 11 | Lbs/day | | |
| SGT-HEM | Sample Measurement | <5.1 | <5.1 | Mg/l | 1 | Comp |
| | Permit Requirement | 100 | 150 | Mg/l | | |
| BOD | Sample Measurement | <10.0 | | Mg/l | 1 | Comp |
| | Permit Requirement | | | Mg/l | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
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| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |

PRETREATMENT MONITORING REPORT

Certification of Non-Use if applicable (use additional sheets): NA

Compliance or non compliance statement with compliance schedule (use additional sheets if necessary) for every

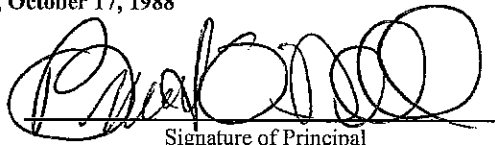
parameter used: Honeywell International Inc. is in compliance with all conditions set forth by PVSC.

Explain Method for preserving samples: All samples were stored in a cooler to preserve the samples at a temperature < 4° C and were taken by

Accutest Laboratories approximately 30 minutes after samples were stored.

I certify under penalty of law that this document and attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

403.6(a)(2)(ii) revised by 53 FR 40610, October 17, 1988



Signature of Principal

Executive or Authorized Agent

Brent O'Dell
Senior Principal Eng'r

Type Name and Title

5/26/11
Date



New Jersey

ACCUTEST[®]

LABORATORIES



Sample Results

Report of Analysis

Report of Analysis

Page 1 of 1

| | |
|---|--------------------------------|
| Client Sample ID: 184-TW-01-040411 | Date Sampled: 04/04/11 |
| Lab Sample ID: JA72217-1 | Date Received: 04/04/11 |
| Matrix: AQ - Ground Water | Percent Solids: n/a |
| Project: HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ | |

Total Metals Analysis

| Analyte | Result | RL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|----------|--------|-----|-------|----|----------|-------------|------------------------|------------------------|
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 04/07/11 | 04/07/11 ND | EPA 200.7 ² | EPA 200.7 ⁵ |
| Chromium | 937 | 10 | ug/l | 1 | 04/07/11 | 04/07/11 ND | EPA 200.7 ² | EPA 200.7 ⁵ |
| Copper | 13.2 | 10 | ug/l | 1 | 04/07/11 | 04/07/11 ND | EPA 200.7 ² | EPA 200.7 ⁵ |
| Lead | 9.5 | 3.0 | ug/l | 1 | 04/07/11 | 04/08/11 ND | EPA 200.7 ³ | EPA 200.7 ⁵ |
| Mercury | 19.3 | 2.0 | ug/l | 10 | 04/07/11 | 04/07/11 JW | EPA 245.1 ¹ | EPA 245.1 ⁴ |
| Nickel | < 10 | 10 | ug/l | 1 | 04/07/11 | 04/07/11 ND | EPA 200.7 ² | EPA 200.7 ⁵ |
| Zinc | < 20 | 20 | ug/l | 1 | 04/07/11 | 04/07/11 ND | EPA 200.7 ² | EPA 200.7 ⁵ |

(1) Instrument QC Batch: MA26130

(2) Instrument QC Batch: MA26133

(3) Instrument QC Batch: MA26138

(4) Prep QC Batch: MP57543

(5) Prep QC Batch: MP57585

RL = Reporting Limit

Report of Analysis

Page 1 of 1

3.1

| | |
|---|--------------------------------|
| Client Sample ID: 184-TW-01-040411 | Date Sampled: 04/04/11 |
| Lab Sample ID: JA72217-1 | Date Received: 04/04/11 |
| Matrix: AQ - Ground Water | Percent Solids: n/a |
| Project: HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ | |

General Chemistry

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|----------------------------|--------|-----|-------|----|----------------|----|------------|
| BOD, 5 Day | < 10 | 10 | mg/l | 1 | 04/04/11 19:10 | BC | SM20 5210B |
| HEM Petroleum Hydrocarbons | < 5.1 | 5.1 | mg/l | 1 | 04/06/11 | ED | EPA 1664A |
| Solids, Total Suspended | 10.0 | 4.0 | mg/l | 1 | 04/06/11 | DD | SM20 2540D |

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA72217 Client: Immediate Client Services Action Required: No
Date / Time Received: 4/4/2011 Delivery Method: Client Service Action Required at Login: No
Project: No. Coolers: 1 Airbill #'s:

Cooler Security Y or N
1. Custody Seals Present: ☒ ☐ 3. COC Present: ☒ ☐
2. Custody Seals Intact: ☒ ☐ 4. Smpl Dates/Time OK ☒ ☐

Cooler Temperature Y or N
1. Temp criteria achieved: ☒ ☐
2. Cooler temp verification: Infrared gun
3. Cooler media: Ice (bag)

Quality Control Preservation Y or N N/A
1. Trip Blank present / cooler: ☐ ☒ ☐
2. Trip Blank listed on COC: ☐ ☒ ☐
3. Samples preserved properly: ☒ ☐
4. VOCs headspace free: ☐ ☐ ☒

Sample Integrity - Documentation Y or N
1. Sample labels present on bottles: ☒ ☐
2. Container labeling complete: ☒ ☐
3. Sample container label / COC agree: ☒ ☐

Sample Integrity - Condition Y or N
1. Sample recvd within HT: ☒ ☐
2. All containers accounted for: ☒ ☐
3. Condition of sample: Intact

Sample Integrity - Instructions Y or N N/A
1. Analysis requested is clear: ☒ ☐
2. Bottles received for unspecified tests: ☐ ☒
3. Sufficient volume recvd for analysis: ☒ ☐
4. Compositing instructions clear: ☐ ☐ ☒
5. Filtering instructions clear: ☐ ☐ ☒

Comments

Accutest Laboratories
V: 732.329.0200

2235 US Highway 130
F: 732.329.3469

Dayton, New Jersey
www.accutest.com

JA72217: Chain of Custody

Page 2 of 2

USER CHARGE SELF MONITORING REPORT

NAME: David Ambrose

ADDRESS: Honeywell International Inc, 101 Columbia Rd, Mooristown

FACILITY LOCATION: Rt. 440 & Carbon Place, Jersey City, NJ 07305 NJ.

NEW CUSTOMER ID / OUTLET ID: 2A

OLD OUTLET DESIGNATION: 772

| MONITORING PERIOD | | | | | |
|-------------------|-----|------|-----|-----|------|
| START | | | END | | |
| Apr | 1 | 2011 | Apr | 30 | 2011 |
| MO | DAY | YR | MO | DAY | YR |

| | |
|---|------|
| VOL DISCHARGED THIS PERIOD | |
| 652,022 | GALS |
| CU. FT X 7.48 = GALLONS | |
| EFFLUENT METER READING LAST DAY THIS PERIOD 9,682,246 | |

[illegible][illegible]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| SIGNATURE OF PRINCIPAL OR AUTHORIZED AGENT | TYPE NAME AND TITLE | TELEPHONE NUMBER |
|---|---------------------|------------------|
| <i>David Ambrose</i> | David Ambrose | 484 542 0980 |
| | QA manager | |
| | | DATE 5/17/11 |



engineering and constructing a better tomorrow

June 30, 2011

VIA FAX AND EMAIL

Passaic Valley Sewerage Commissioner
600 Wilson Avenue
Newark, NJ 07105

Attn: Mr. Anthony Gammara

Subject: Submittal of PVSC MR-1 and MR-2 for the month of May, 2011
Remedial Action - Study Area 5 (SA-5), New Jersey City University
(NJCU)
Sites 090, 184, and Portion of Site 153
Block 1286, Lots 5 & 6D; Block 1286.5 Lots 1 & 2; Block 1289.5, Lot E
Jersey City, Hudson County, New Jersey

Dear Mr. Gammara:

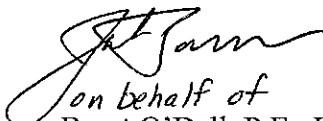
Mactec Engineering and Consulting, Inc. (Mactec), on behalf of Honeywell International Inc. (Honeywell), is submitting a completed MR-1 Form to comply with permit condition no. 7 of the approved Letter of Authorization to Discharge dated September 24, 2010 for the above referenced site. Included with this submittal is the laboratory analytical package for the sampling. A completed form MR-2 is also attached for the volume discharged in the month of May, 2011.


This compliance report is submitted for monitoring period of May 1, 2011 to May 31, 2011. As shown on MR-1, all parameters sampled are within Passaic Valley Sewerage Commissioners (PVSC) compliance limits. Please note that discharge was completed on June 16, 2011 and the final meter reading was recorded by a PVSC representative. The report for the month of June 2011 will be the last monitoring report.

Please contact any of the undersigned at (609) 689-2829 if you have any questions or require further information.

Sincerely,

Mactec Engineering & Consulting, Inc.


on behalf of
Brent O'Dell, P.E., DEE
Senior Principal Engineer


Kinjal Shah, E.I.T
Senior Engineer

Honeywell International Inc.
PVSC MR-1 and MR-2 Reporting for SA-5
June 30, 2011
Page 2 of 2

Cc: Maria Kaouris, Honeywell.
John Mojka, Honeywell
Joe Clifford, Mactec
Stu Bills, Mactec
Dave Ambrose, Mactec
File

PRETREATMENT MONITORING REPORT

NAME: Kinjal Shah & Dave Ambrose MACTEC Engineering & Consulting Inc.

MAILING ADDRESS: Honeywell International Inc. 101 Columbia Road, Morristown, NJ 07692

FACILITY LOCATION: Route 440 and Carbon Place, Jersey City, NJ 07305

CATEGORY & SUBPART: NA OUTLET #: 1

CONTACT OFFICIAL: Maria Kaouris, Remediation Manager TELEPHONE: 973-455-3302

NEW CUSTOMER ID / OUTLET ID: NA OLD OUTLET DESIGNATION: NA

| MONITORING PERIOD | | | | | |
|-------------------|-----|------|-----|-----|------|
| Start | | | End | | |
| May | 1 | 2011 | May | 31 | 2011 |
| MO | DAY | YR | MO | DAY | YR |

| | Average | Maximum |
|------------------------|---------|---------|
| Regulated Flow-gal/day | | |
| Total Flow-gal/day | 21,394 | 131,617 |

Method Used: 24 hr meter readings 31 Flowmeter readings / 31 working days.

Production Rate (if applicable) NA

| PARAMETER | | MASS OR CONCENTRATION | | | # OF SAMPLES | SAMPLE TYPE COMP/GRAB |
|------------|--------------------|-----------------------|---------|---------|--------------|--------------------------|
| | | MON AVG | MAXIMUM | UNITS | | |
| Cd | Sample Measurement | <0.003 | <0.003 | Mg/l | 1 | Comp |
| | Permit Requirement | 0.19 | | Mg/l | | |
| Cu | Sample Measurement | 0.0171 | 0.0171 | Mg/l | 1 | Comp |
| | Permit Requirement | 3.02 | | Mg/l | | |
| Pb | Sample Measurement | 0.0066 | 0.0066 | Mg/l | 1 | Comp |
| | Permit Requirement | 0.54 | | Mg/l | | |
| Hg | Sample Measurement | 0.0035 | 0.0035 | Mg/l | 1 | Comp |
| | Permit Requirement | 0.080 | | Mg/l | | |
| Ni | Sample Measurement | 0.0101 | 0.0101 | Mg/l | 1 | Comp |
| | Permit Requirement | 5.9 | | Mg/l | | |
| Zn | Sample Measurement | 0.0355 | 0.0355 | Mg/l | 1 | Comp |
| | Permit Requirement | 1.67 | | Mg/l | | |
| Cr (Total) | Sample Measurement | 0.2155 | 0.2155 | Lbs/day | 1 | Comp |
| | Permit Requirement | | 11 | Lbs/day | | |
| SGT-HEM | Sample Measurement | <5.4 | <5.4 | Mg/l | 1 | Comp |
| | Permit Requirement | 100 | 150 | Mg/l | | |
| BOD | Sample Measurement | 9.8 | | Mg/l | 1 | Comp |
| | Permit Requirement | | | Mg/l | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |

PRETREATMENT MONITORING REPORT

Certification of Non-Use if applicable (use additional sheets): NA

Compliance or non compliance statement with compliance schedule (use additional sheets if necessary) for every

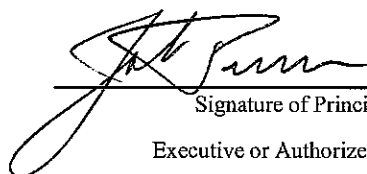
parameter used: Honeywell International Inc. is in compliance with all conditions set forth by PVSC.

Explain Method for preserving samples: All samples were stored in a cooler to preserve the samples at a temperature < 4° C and were taken by

Accutest Laboratories approximately 30 minutes after samples were stored.

I certify under penalty of law that this document and attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

403.6(a)(2)(ii) revised by 53 FR 40610, October 17, 1988



Signature of Principal

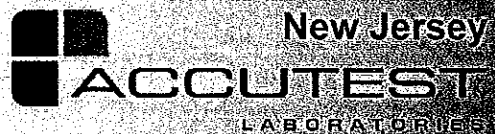
Executive or Authorized Agent

JOHN POSERINA
SR PRINCIPAL ENGINEER

Type Name and Title

6/30/11

Date



Sample Results

Report of Analysis

Report of Analysis

Page 1 of 1

3.1

3

| | | | |
|--------------------------|---|------------------------|----------|
| Client Sample ID: | 184-TW-01-050511 | Date Sampled: | 05/05/11 |
| Lab Sample ID: | JA75026-1 | Date Received: | 05/05/11 |
| Matrix: | AQ - Ground Water | Percent Solids: | n/a |
| Project: | HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ | | |

Total Metals Analysis

| Analyte | Result | RL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|----------|--------|------|-------|----|----------|-------------|---------------------------|------------------------|
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 05/09/11 | 05/10/11 | GT EPA 200.7 ² | EPA 200.7 ⁵ |
| Chromium | 3180 | 10 | ug/l | 1 | 05/09/11 | 05/09/11 | GT EPA 200.7 ¹ | EPA 200.7 ⁵ |
| Copper | 17.1 | 10 | ug/l | 1 | 05/09/11 | 05/09/11 | GT EPA 200.7 ¹ | EPA 200.7 ⁵ |
| Lead | 6.6 | 3.0 | ug/l | 1 | 05/09/11 | 05/09/11 | GT EPA 200.7 ¹ | EPA 200.7 ⁵ |
| Mercury | 3.5 | 0.20 | ug/l | 1 | 05/12/11 | 05/12/11 | VK EPA 245.1 ³ | EPA 245.1 ⁴ |
| Nickel | 10.1 | 10 | ug/l | 1 | 05/09/11 | 05/09/11 | GT EPA 200.7 ¹ | EPA 200.7 ⁵ |
| Zinc | 35.5 | 20 | ug/l | 1 | 05/09/11 | 05/09/11 | GT EPA 200.7 ¹ | EPA 200.7 ⁵ |

(1) Instrument QC Batch: MA26335

(2) Instrument QC Batch: MA26343

(3) Instrument QC Batch: MA26359

(4) Prep QC Batch: MP58022

(5) Prep QC Batch: MP58100

RL = Reporting Limit

Report of Analysis

Page 1 of 1

3.1

3

| | |
|---|--------------------------------|
| Client Sample ID: 184-TW-01-050511 | Date Sampled: 05/05/11 |
| Lab Sample ID: JA75026-1 | Date Received: 05/05/11 |
| Matrix: AQ - Ground Water | Percent Solids: n/a |
| Project: HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ | |

General Chemistry

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|----------------------------|--------|-----|-------|----|----------------|----|------------|
| BOD, 5 Day | 9.8 | 5.0 | mg/l | 1 | 05/05/11 16:50 | LS | SM20 5210B |
| HEM Petroleum Hydrocarbons | < 5.4 | 5.4 | mg/l | 1 | 05/12/11 | CW | EPA 1664A |
| Solids, Total Suspended | 44.0 | 4.0 | mg/l | 1 | 05/06/11 | WR | SM20 2540D |

RL = Reporting Limit



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

4.1

rk



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA75026 Client: Immediate Client Services Action Required: No
Date / Time Received: 5/5/2011 Delivery Method: Client Service Action Required at Login: No
Project: No. Coolers: 1 Airbill #'s:

Cooler Security

| Y or N | | Y or N | |
|---------------------------|--|-----------------------|--|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> <input type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input checked="" type="checkbox"/> <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> <input type="checkbox"/> |

Cooler Temperature

| Y or N | |
|------------------------------|--|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 2. Cooler temp verification: | Infrared gun |
| 3. Cooler media: | Ice (bag) |

Quality Control Preservation

| Y or N | N/A |
|---------------------------------|---|
| 1. Trip Blank present / cooler: | <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input type="checkbox"/> <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 3. Samples preserved properly: | <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> |
| 4. VOCs headspace free: | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> |

Sample Integrity - Documentation

| Y or N | |
|--|--|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> <input type="checkbox"/> |

Sample Integrity - Condition

| Y or N | |
|----------------------------------|--|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 3. Condition of sample: | Intact |

Sample Integrity - Instructions

| Y or N | N/A |
|--|---|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 2. Bottles received for unspecified tests: | <input type="checkbox"/> <input checked="" type="checkbox"/> |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> <input type="checkbox"/> |
| 4. Compositing instructions clear: | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/> |

Comments

Accutest Laboratories
V: 732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www.accutest.com

JA75026: Chain of Custody
Page 2 of 2

USER CHARGE SELF MONITORING REPORT

NAME: David Ambrose

ADDRESS: Howeywell International Inc, 101 Columbia Rd, Morristown

FACILITY LOCATION: RT. 440 & Carbow Place, Jersey City, NJ NJ.

NEW CUSTOMER ID / OUTLET ID:

OLD OUTLET DESIGNATION:

07305

| MONITORING PERIOD | | | | | |
|-------------------|-----|------|-----|-----|------|
| START | | | END | | |
| May | 1 | 2011 | May | 31 | 2011 |
| MO | DAY | YR | MO | DAY | YR |

| VOL DISCHARGED THIS PERIOD |
|---|
| 663,219 GALS |
| CU. FT X 7.48 = GALLONS |
| 10,345,465 |
| EFFLUENT METER READING LAST DAY THIS PERIOD |

| DATE | BOD | TSS |
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| DATE | BOD | TSS |
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I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| SIGNATURE OF PRINCIPAL OR AUTHORIZED AGENT | TYPE NAME AND TITLE | TELEPHONE NUMBER |
|--|----------------------|---------------------|
| <u>David Ambrose</u> | <u>David Ambrose</u> | <u>484 542 0980</u> |
| | <u>QA manager</u> | |
| | | DATE <u>6/15/11</u> |



MACTEC Engineering and Consulting, Inc.
200 American Metro Boulevard, Suite 113
Hamilton, NJ 08619
PHONE: (609) 689-2829
FAX: (609) 689-2838

TO: Anthony Cammaro FROM: Kinjal Shah
COMPANY: PVSC DATE: 7/20/11
PHONE: 973-817-5716 PHONE: (609) 689-2829
FAX: 973-344-4876 FAX: (609) 689-2838
SUBJECT: SA-5 NTCU MR-1 & MR-2 Reporting for June, 2011
PAGES: 12 Hard Copy to Follow?: ☐ Yes ☒ No
(incl Cover) COPIES: _____

COMMENTS:

Attached please find cover letter, form MR-1, form
MR-2, and lab data for treatment system sampling
for monitoring period of June 1, 2011 through
June 16, 2011.

Please note that this will be the last monitoring
report for this project.

Please call me at 609-631-6096 if you have any
questions.

If you do not receive all pages, please call (609) 689-2829.



engineering and constructing a better tomorrow

July 20, 2011

VIA FAX AND EMAIL

Passaic Valley Sewerage Commissioner
600 Wilson Avenue
Newark, NJ 07105

Attn: Mr. Anthony Gammaro

Subject: Submittal of PVSC MR-1 and MR-2 for the month of June, 2011
Remedial Action - Study Area 5 (SA-5), New Jersey City University
(NJCU)
Sites 090, 184, and Portion of Site 153
Block 1286, Lots 5 & 6D; Block 1286.5 Lots 1 & 2; Block 1289.5, Lot E
Jersey City, Hudson County, New Jersey

Dear Mr. Gammaro:

Mactec Engineering and Consulting, Inc. (Mactec), on behalf of Honeywell International Inc. (Honeywell), is submitting a completed MR-1 Form to comply with permit condition no. 7 of the approved Letter of Authorization to Discharge dated September 24, 2010 for the above referenced site. Included with this submittal is the laboratory analytical package for the sampling. A completed form MR-2 is also attached for the volume discharged in the month of June, 2011.

This compliance report is submitted for monitoring period of June 1, 2011 to June 16, 2011. As shown on MR-1, all parameters sampled are within Passaic Valley Sewerage Commissioners (PVSC) compliance limits. Please note that discharge was completed on June 16, 2011 and the final meter reading was recorded by a PVSC representative. This will be the last monitoring report for the above mentioned project.

Please contact any of the undersigned at (609) 689-2829 if you have any questions or require further information.

Sincerely,

Mactec Engineering & Consulting, Inc.

A handwritten signature in black ink, appearing to read "Brent O'Dell", written over a horizontal line.

Brent O'Dell, P.E., DEE
Senior Principal Engineer

A handwritten signature in black ink, appearing to read "Kinjal Shah", written over a horizontal line.

Kinjal Shah, E.I.T
Senior Engineer

Honeywell International Inc.
PVSC MR-1 and MR-2 Reporting for SA-5
July 20, 2011
Page 2 of 2

Cc: Maria Kaouris, Honeywell.
John Mojka, Honeywell
Joe Clifford, Mactec
Stu Bills, Mactec
Dave Ambrose, Mactec
File

PRETREATMENT MONITORING REPORT

NAME: Kinjal Shah & Dave Ambrose MACTEC Engineering & Consulting Inc.

MAILING ADDRESS: Honeywell International Inc. 101 Columbia Road, Morristown, NJ 07692

FACILITY LOCATION: Route 440 and Carbon Place, Jersey City, NJ 07305

CATEGORY & SUBPART: NA OUTLET #: 1

CONTACT OFFICIAL: Maria Kaouris, Remediation Manager TELEPHONE: 973-455-3302

NEW CUSTOMER ID / OUTLET ID: NA OLD OUTLET DESIGNATION: NA

| MONITORING PERIOD | | | | | |
|-------------------|-----|------|------|-----|------|
| Start | | | End | | |
| June | 1 | 2011 | June | 16 | 2011 |
| MO | DAY | YR | MO | DAY | YR |

| | Average | Maximum |
|------------------------|---------|---------|
| Regulated Flow-gal/day | | |
| Total Flow-gal/day | 2,026 | 14,359 |

Method Used: 24 hr meter readings 16 Flowmeter readings / 16 working days.

Production Rate (if applicable) NA

| PARAMETER | | MASS OR CONCENTRATION | | | # OF SAMPLES | SAMPLE TYPE |
|------------|--------------------|-----------------------|---------|---------|--------------|-------------|
| | | MON AVG | MAXIMUM | UNITS | | |
| Cd | Sample Measurement | <0.003 | <0.003 | Mg/l | 1 | Comp |
| | Permit Requirement | 0.19 | | Mg/l | | |
| Cu | Sample Measurement | 0.0117 | 0.0117 | Mg/l | 1 | Comp |
| | Permit Requirement | 3.02 | | Mg/l | | |
| Pb | Sample Measurement | <0.003 | <0.003 | Mg/l | 1 | Comp |
| | Permit Requirement | 0.54 | | Mg/l | | |
| Hg | Sample Measurement | 0.0059 | 0.0059 | Mg/l | 1 | Comp |
| | Permit Requirement | 0.080 | | Mg/l | | |
| Ni | Sample Measurement | <0.010 | <0.010 | Mg/l | 1 | Comp |
| | Permit Requirement | 5.9 | | Mg/l | | |
| Zn | Sample Measurement | 0.0216 | 0.0216 | Mg/l | 1 | Comp |
| | Permit Requirement | 1.67 | | Mg/l | | |
| Cr (Total) | Sample Measurement | 0.0483 | 0.0483 | Lbs/day | 1 | Comp |
| | Permit Requirement | | 11 | Lbs/day | | |
| SGT-HEM | Sample Measurement | <5.1 | <5.1 | Mg/l | 1 | Comp |
| | Permit Requirement | 100 | 150 | Mg/l | | |
| BOD | Sample Measurement | <10.0 | | Mg/l | 1 | Comp |
| | Permit Requirement | | | Mg/l | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
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| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |
| | Sample Measurement | | | | | |
| | Permit Requirement | | | | | |

PRETREATMENT MONITORING REPORT

Certification of Non-Use if applicable (use additional sheets): NA

Compliance or non compliance statement with compliance schedule (use additional sheets if necessary) for every

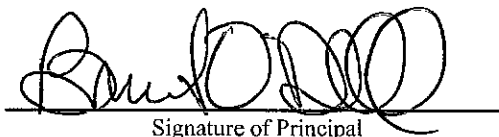
parameter used: Honeywell International Inc. is in compliance with all conditions set forth by PVSC.

Explain Method for preserving samples: All samples were stored in a cooler to preserve the samples at a temperature < 4° C and were taken by

Accutest Laboratories approximately 30 minutes after samples were stored.

I certify under penalty of law that this document and attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

403.6(a)(2)(ii) revised by 53 FR 40610, October 17, 1988



Signature of Principal

Executive or Authorized Agent

Brent O'Dell
Senior Principal Engineer

Type Name and Title

7/20/11

Date



Sample Results

Report of Analysis

Report of Analysis

Page 1 of 1

Client Sample ID: 184-TW-01-060211

Lab Sample ID: JA77295-1

Date Sampled: 06/02/11

Matrix: AQ - Ground Water

Date Received: 06/02/11

Percent Solids: n/a

Project: HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ

Total Metals Analysis

| Analyte | Result | RL | Units | DF | Prep | Analyzed By | Method | Prep Method |
|----------|--------|------|-------|----|----------|--------------|------------------------|------------------------|
| Cadmium | < 3.0 | 3.0 | ug/l | 1 | 06/04/11 | 06/08/11 GT | EPA 200.7 ² | EPA 200.7 ⁴ |
| Chromium | 403 | 10 | ug/l | 1 | 06/04/11 | 06/08/11 GT | EPA 200.7 ² | EPA 200.7 ⁴ |
| Copper | 11.7 | 10 | ug/l | 1 | 06/04/11 | 06/09/11 MET | EPA 200.7 ³ | EPA 200.7 ⁴ |
| Lead | < 3.0 | 3.0 | ug/l | 1 | 06/04/11 | 06/09/11 MET | EPA 200.7 ³ | EPA 200.7 ⁴ |
| Mercury | 5.9 | 0.40 | ug/l | 2 | 06/07/11 | 06/08/11 VK | EPA 245.1 ¹ | EPA 245.1 ⁵ |
| Nickel | < 10 | 10 | ug/l | 1 | 06/04/11 | 06/08/11 GT | EPA 200.7 ² | EPA 200.7 ⁴ |
| Zinc | 21.6 | 20 | ug/l | 1 | 06/04/11 | 06/08/11 GT | EPA 200.7 ² | EPA 200.7 ⁴ |

(1) Instrument QC Batch: MA26497

(2) Instrument QC Batch: MA26500

(3) Instrument QC Batch: MA26504

(4) Prep QC Batch: MP58533

(5) Prep QC Batch: MP58584

RL = Reporting Limit

Report of Analysis

Page 1 of 1

Client Sample ID: 184-TW-01-060211**Lab Sample ID:** JA77295-1**Matrix:** AQ - Ground Water**Date Sampled:** 06/02/11**Date Received:** 06/02/11**Percent Solids:** n/a**Project:** HLANJPR: SA 5 Site 184 and 090, Jersey City, NJ

General Chemistry

| Analyte | Result | RL | Units | DF | Analyzed | By | Method |
|----------------------------|--------|-----|-------|----|----------------|----|------------|
| BOD, 5 Day | < 10 | 10 | mg/l | 1 | 06/02/11 15:34 | LS | SM20 5210B |
| HEM Petroleum Hydrocarbons | < 5.1 | 5.1 | mg/l | 1 | 06/03/11 | SS | EPA 1664A |
| Solids, Total Suspended | 32.0 | 4.0 | mg/l | 1 | 06/03/11 | RI | SM20 2540D |

RL = Reporting Limit

Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Chain of Custody
- Sample Tracking Chronicle
- Internal Chain of Custody

ALL SAMPLES RECEIVED
RESERVED AS APPLICABLE



Accutest Laboratories Sample Receipt Summary

Accutest Job Number: JA77295

Client: _____

Date / Time Received: 6/2/2011

Project: _____

No. Coolers: 1

Airbill #'s: _____

Delivery Method: _____

Cooler Security

Y or N

Y or N

- | | | | | | |
|---------------------------|-------------------------------------|--------------------------|-----------------------|-------------------------------------|--------------------------|
| 1. Custody Seals Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 3. COC Present: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Custody Seals Intact: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | 4. Smpl Dates/Time OK | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Cooler Temperature

Y or N

- | | | |
|------------------------------|-------------------------------------|--------------------------|
| 1. Temp criteria achieved: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Cooler temp verification: | Bar Therm | |
| 3. Cooler media: | Ice (Bag) | |

Quality Control Preservation

Y or N

N/A

- | | | | |
|---------------------------------|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Trip Blank present / cooler: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Trip Blank listed on COC: | <input type="checkbox"/> | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Samples preserved properly: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. VOCs headspace free: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Sample Integrity - Documentation

Y or N

- | | | |
|--|-------------------------------------|--------------------------|
| 1. Sample labels present on bottles: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. Container labeling complete: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Sample container label / COC agree: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |

Sample Integrity - Condition

Y or N

- | | | |
|----------------------------------|-------------------------------------|--------------------------|
| 1. Sample recvd within HT: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 2. All containers accounted for: | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| 3. Condition of sample: | Intact | |

Sample Integrity - Instructions

Y or N

N/A

- | | | | |
|---|-------------------------------------|-------------------------------------|-------------------------------------|
| 1. Analysis requested is clear: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 2. Bottles received for unspecified tests | <input type="checkbox"/> | <input checked="" type="checkbox"/> | |
| 3. Sufficient volume recvd for analysis: | <input checked="" type="checkbox"/> | <input type="checkbox"/> | |
| 4. Compositing instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |
| 5. Filtering instructions clear: | <input type="checkbox"/> | <input type="checkbox"/> | <input checked="" type="checkbox"/> |

Comments

Accutest Laboratories
V: 732.329.0200

2235 US Highway 130
F: 732.329.3499

Dayton, New Jersey
www.accutest.com

JA77295: Chain of Custody

Page 2 of 2

USER CHARGE SELF MONITORING REPORT

NAME: David Ambrose

ADDRESS: Howeywell International Inc. 101 Columbia Rd. Norwinston

FACILITY LOCATION: pt. 440 e. CARBON PLACE, Jersey City, NJ 07305 ^{NJ}

NEW CUSTOMER ID / OUTLET ID:

OLD OUTLET DESIGNATION:

29


| MONITORING PERIOD | | |
|-------------------|-----|------|
| START | | |
| June | 1 | 2011 |
| MO | DAY | YR |

| END | | |
|------|-----|------|
| June | 16 | 2011 |
| MO | DAY | YR |

| |
|---|
| VOL DISCHARGED THIS PERIOD |
| 32423 GALS |
| CU. FT X 7.48 = GALLONS |
| 10,377,888 |
| EFFLUENT METER READING LAST DAY THIS PERIOD |

[illegible][illegible]

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

| SIGNATURE OF PRINCIPAL OR AUTHORIZED AGENT | TYPE NAME AND TITLE | TELEPHONE NUMBER |
|---|---------------------|------------------|
|  | David Ambrose | 484-542-0980 |
| | QA Manager | |
| | | DATE 6/18/2011 |


TRANSMISSION VERIFICATION REPORT

TIME : 07/20/2011 13:31
NAME : MACTEC
FAX : 6096892838
TEL : 6099360700
SER.# : BR0A7J595236

| | |
|--------------|-------------|
| DATE, TIME | 07/20 13:28 |
| FAX NO./NAME | 19733444876 |
| DURATION | 00:02:56 |
| PAGE(S) | 12 |
| RESULT | OK |
| MODE | STANDARD |
| | ECM |

APPENDIX I
PERIMETER AIR MONITORING DOCUMENTATION

STUDY AREA 5 REMEDIAL ACTION REPORT
FORMER BALDWIN STEEL SITE (NJDEP SITE 090)
FORMER MI HOLDINGS SITE (NJDEP SITE 184)
PORTION OF FORMER MORRIS CANAL SITE (NJDEP SITE 153 NORTHERN SEGMENT)
JERSEY CITY, NEW JERSEY

| | | | | |
|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | January 03, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

| | | | | | | | | | |
|----------------|-----------------|-------------|----------|------------------|------------------|---|-------------------------|--------------------------|-------------------------|
| Monitor | EMILCOTT | Temp | 29-36 °F | Winds | NE 3.3-17 mph | Precipitation data from Newark Airport | | | |
| Weather | Sunny | RH | 36-50 % | Barometer | 30.48-30.55 inHg | Day (24 hour) | 0.00" rain 0.0" snow | Monthly Total | 0.01" rain 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D529 | 6 | 24 | 1357 | 0642 | 1633 |
| MD-2: East End of Site | D501 | 9 | 26 | 1324 | 0654 | 1639 |
| MD-3: South Side of Site | D514 | 7 | 9 | 1326 | 0626 | 1622 |
| MD-4: West End of Site | D513 | 12 | 17 | 1533 | 0633 | 1644 |
| MD-5: NJCU 5ppm AOC North side | DT-1 | 16 | 26 | 0748 | 0703 | 1621 |
| MD-6: NJCU 5ppm AOC East side | DT-2 | 22 | 40 | 0906 | 0636 | 1621 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Wendell Clark

| | | | | |
|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | January 04, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

| | | | | | | | | | |
|----------------|-----------------|-------------|----------|------------------|------------------|---|-------------------------|--------------------------|-------------------------|
| Monitor | EMILCOTT | Temp | 29-40 °F | Winds | NE 2.3-12 mph | Precipitation data from Newark Airport | | | |
| Weather | Sunny | RH | 42-61 % | Barometer | 3019-30.44 inHg | Day (24 hour) | 0.00" rain 0.0" snow | Monthly Total | 0.01" rain 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D529 | 24 | 70 | 0814 | 0659 | 1622 |
| MD-2: East End of Site | D501 | 28 | 78 | 0829 | 0656 | 1626 |
| MD-3: South Side of Site | D514 | 26 | 60 | 0800 | 0701 | 1641 |
| MD-4: West End of Site | D513 | 36 | 82 | 0914 | 0659 | 1631 |
| MD-5: NJCU 5ppm AOC North side | DT-1 | 68 | 143 | 0804 | 0719 | 1618 |
| MD-6: NJCU 5ppm AOC East side | DT-2 | 43 | 80 | 0840 | 0755 | 1616 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³

- **Air Sampling Notes:**


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Wendell Clark

| | | | | |
|--|--|--|--|-------------------|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | January 05, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

| | | | | | | | | | |
|----------------|-----------------|-------------|----------|------------------|------------------|---|-------------------------|--------------------------|-------------------------|
| Monitor | EMILCOTT | Temp | 25-39 °F | Winds | WNW 4-17 mph | Precipitation data from Newark Airport | | | |
| Weather | Sunny | RH | 34-75 % | Barometer | 30.11-30.28 inHg | Day (24 hour) | 0.00" rain 0.0" snow | Monthly Total | 0.01" rain 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D529 | 10 | 63 | 0728 | 0643 | 1613 |
| MD-2: East End of Site | D501 | 10 | 17 | 0713 | 0658 | 1527 |
| MD-3: South Side of Site | D514 | 12 | 23 | 0830 | 0615 | 1644 |
| MD-4: West End of Site | D513 | 17 | 29 | 0843 | 0643 | 1612 |
| MD-5: NJCU 5ppm AOC North side | DT-1 | 34 | 66 | 0728 | 0658 | 1612 |
| MD-6: NJCU 5ppm AOC East side | DT-2 | 33 | 58 | 0658 | 0658 | 1558 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Wendell Clark

| | | | | |
|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | January 07, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

| | | | | | | | | | |
|----------------|-----------------|-------------|----------|------------------|-----------------------------|---|-------------------------|--------------------------|-------------------------|
| Monitor | EMILCOTT | Temp | 31-33 °F | Winds | SSE – SSW – WSW 1-35 mph | Precipitation data from Newark Airport | | | |
| Weather | Snow | RH | 65-94 % | Barometer | 29.85-29.73 inHg | Day (24 hour) | 0.13" rain 2.6" snow | Monthly Total | 0.14" rain 2.6" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D529 | | | | | |
| MD-2: East End of Site | D501 | | | | | |
| MD-3: South Side of Site | D514 | | | | | |
| MD-4: West End of Site | D513 | | | | | |
| MD-5: NJCU 5ppm AOC North side | DT-1 | | | | | |
| MD-6: NJCU 5ppm AOC East side | DT-2 | | | | | |

Air Monitoring Notes:

- No air monitoring performed due to snow.
- No intrusive activities.

Air Sampling Notes:


- No air sampling performed due to snow.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Snow during the work shift.

Submitted by:

Ken Tardell

| | | | | | | |
|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | January 10, 2011 | Rev. No. 0 |
| | | | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|----------------------|---|-------------------------|--------------------------|-------------------------|
| Monitor | EMILCOTT | Temp | 25-35 °F | Winds | WNW – NW 4-15 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 43-58 % | Barometer | 30.59-30.52 inHg | Day (24 hour) | 0.00" rain 0.0" snow | Monthly Total | 0.14" rain 2.6" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D529 | 8 | 10 | 0821 | 0652 | 1612 |
| MD-2: East End of Site | D501 | 6 | 8 | 1119 | 0720 | 1617 |
| MD-3: South Side of Site | D510 | 8 | 11 | 0840 | 0625 | 1642 |
| MD-4: West End of Site | D513 | 13 | 17 | 0917 | 0632 | 1623 |
| MD-5: NJCU 5ppm AOC North side | DT-1 | 19 | 38 | 1044 | 0714 | 1609 |
| MD-6: NJCU 5ppm AOC East side | DT-2 | 20 | 26 | 0729 | 0714 | 1606 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | | |
|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | January 11, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|------------------------------------|-------------|----------|------------------|------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 23-31 °F | Winds | N 1-9 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear early, becoming cloudy | RH | 62-76 % | Barometer | 30.65-30.47 inHg | Day (24 hour) | 0.26" total 2.7" snow | Monthly Total | 0.40" total 5.3" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D529 | 14 | 19 | 1545 | 0700 | 1559 |
| MD-2: East End of Site | D501 | 12 | 17 | 1604 | 0651 | 1604 |
| MD-3: South Side of Site | D510 | 15 | 19 | 1626 | 0635 | 1626 |
| MD-4: West End of Site | D513 | 25 | 36 | 1459 | 0644 | 1613 |
| MD-5: NJCU 5ppm AOC North side | DT-1 | 35 | 47 | 1555 | 0715 | 1555 |
| MD-6: NJCU 5ppm AOC East side | DT-2 | 34 | 54 | 1434 | 0719 | 1552 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift. Snow started in the evening, continued into 1/12.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | January 12, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|---------------------|---|--------------------------|--------------------------|---------------------------|
| Monitor | EMILCOTT | Temp | 24-32 °F | Winds | W – WNW 4-16 mph | Precipitation data from Newark Airport | | | |
| Weather | Partly cloudy | RH | 56-85 % | Barometer | 29.98-30.05 inHg | Day (24 hour) | 0.42" total 6.4" snow | Monthly Total | 0.82" total 11.7" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D529 | 19 | 27 | 1101 | 1031 | 1516 |
| MD-2: East End of Site | D501 | 22 | 32 | 1020 | 0950 | 1520 |
| MD-3: South Side of Site | D510 | 22 | 32 | 1018 | 0948 | 1543 |
| MD-4: West End of Site | D513 | 25 | 34 | 1108 | 1008 | 1523 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Delayed start due to snow cover. No activities other than snow removal during the morning.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift. Snow ended before the start of work.
- Tuesday – Wednesday storm total: 9.1 inches of snow reported at Newark.

Submitted by:

Ken Tardell

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|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | January 13, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|------------------|---|--------------------------|--------------------------|---------------------------|
| Monitor | EMILCOTT | Temp | 25-31 °F | Winds | NW 3-14 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 43-64 % | Barometer | 30.41-30.58 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 0.82" total 11.7" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D529 | 4 | 9 | 0836 | 0706 | 1528 |
| MD-2: East End of Site | D501 | 3 | 15 | 0701 | 0646 | 1546 |
| MD-3: South Side of Site | D510 | 6 | 16 | 0946 | 0631 | 1601 |
| MD-4: West End of Site | D513 | 9 | 13 | 1433 | 0649 | 1551 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | | |
|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | January 14, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|------------------------|---|--------------------------|--------------------------|---------------------------|
| Monitor | EMILCOTT | Temp | 19-32 °F | Winds | W – N – NW 1-10 mph | Precipitation data from Newark Airport | | | |
| Weather | Partly cloudy | RH | 43-71 % | Barometer | 30.71-30.64 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 0.82" total 11.7" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D529 | 9 | 18 | 0728 | 0658 | 1541 |
| MD-2: East End of Site | D501 | 10 | 14 | 0751 | 0651 | 1526 |
| MD-3: South Side of Site | D510 | 12 | 18 | 0816 | 0631 | 1601 |
| MD-4: West End of Site | D513 | 17 | 28 | 0943 | 0644 | 1537 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | | |
|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | January 17, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|---------------------------|---|--------------------------|--------------------------|---------------------------|
| Monitor | EMILCOTT | Temp | 21-27 °F | Winds | NNW – NNE - NW 1-9 mph | Precipitation data from Newark Airport | | | |
| Weather | Partly cloudy | RH | 43-53 % | Barometer | 30.77-30.67 inHg | Day (24 hour) | 0.01" total 0.1" snow | Monthly Total | 0.83" total 11.8" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 12 | 19 | 1209 | 0654 | 1548 |
| MD-2: East End of Site | D501 | 8 | 14 | 0933 | 0648 | 1534 |
| MD-3: South Side of Site | D510 | 11 | 22 | 1520 | 0635 | 1603 |
| MD-4: West End of Site | D513 | 15 | 23 | 1541 | 0641 | 1543 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | January 18, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|------------------------|-------------|----------|------------------|--------------------|---|--------------------------|--------------------------|---------------------------|
| Monitor | EMILCOTT | Temp | 30-38 °F | Winds | NE – N 2-39 mph | Precipitation data from Newark Airport | | | |
| Weather | Freezing rain, rain | RH | 90-94 % | Barometer | 30.41-29.99 inHg | Day (24 hour) | 0.92" total 1.9" snow | Monthly Total | 1.75" total 13.7" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | | | | | |
| MD-2: East End of Site | D501 | | | | | |
| MD-3: South Side of Site | D510 | | | | | |
| MD-4: West End of Site | D513 | | | | | |

Air Monitoring Notes:

- No monitoring due to rain.

Air Sampling Notes:


- No sampling due to rain

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Freezing rain changing to rain during the work shift.

Submitted by:

Ken Tardell

| | | | | | | |
|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | January 19, 2011 | Rev. No. 0 |
| | | | | | Pg. 1 of 1 | |

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|----------------|----------------------|-------------|----------|------------------|----------------------------|---|--------------------------|----------------------|---------------------------|
| Monitor | EMILCOTT | Temp | 36-42 °F | Winds | SSW – WSW – NW 1-11 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy, brief shower | RH | 70-92 % | Barometer | 30.04-30.12 inHg | Day (24 hour) | 0.08" total 0.0" snow | Monthly Total | 1.83" total 13.7" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D514 | 33 | 74 | 1122 | 0707 | 1540 |
| MD-2: East End of Site | D529 | 30 | 52 | 1137 | 0707 | 1534 |
| MD-3: South Side of Site | D501 | 30 | 55 | 1122 | 0637 | 1539 |
| MD-4: West End of Site | D513 | 36 | 62 | 1121 | 0706 | 1530 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Readings above 60 µg/m³ at 11:22 were the result of general atmospheric conditions. Melting and evaporating snow created a low level haze across the entire site.

Air Sampling Notes:


- Sample taken at MD-2

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Brief shower during the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | January 20, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|------------------|---|--------------------------|--------------------------|---------------------------|
| Monitor | EMILCOTT | Temp | 31-33 °F | Winds | NW 1-12 mph | Precipitation data from Newark Airport | | | |
| Weather | Partly cloudy | RH | 42-68 % | Barometer | 30.48-30.35 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 1.83" total 13.7" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 10 | 18 | 1327 | 0642 | 1542 |
| MD-2: East End of Site | D529 | 7 | 17 | 0650 | 0635 | 1542 |
| MD-3: South Side of Site | D501 | 9 | 15 | 0653 | 0623 | 1542 |
| MD-4: West End of Site | D513 | 9 | 26 | 1513 | 0628 | 1542 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-2

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|--|--|--|-------------------|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | January 21, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|--------------------------------------|-------------|----------|------------------|-----------------------|---|--------------------------|--------------------------|---------------------------|
| Monitor | EMILCOTT | Temp | 24-32 °F | Winds | NNW – WNW 2-19 mph | Precipitation data from Newark Airport | | | |
| Weather | Snow early, then partly cloudy | RH | 46-94 % | Barometer | 29.89-30.06 inHg | Day (24 hour) | 0.45" total 4.5" snow | Monthly Total | 2.28" total 18.2" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 13 | 16 | 1143 | 0928 | 1542 |
| MD-2: East End of Site | D529 | 11 | 17 | 0846 | 0832 | 1536 |
| MD-3: South Side of Site | D501 | 13 | 24 | 0816 | 0746 | 1601 |
| MD-4: West End of Site | D513 | 12 | 26 | 0840 | 0825 | 1532 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Delayed start due to morning snow.

Air Sampling Notes:


- Sample taken at MD-2

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Snow at beginning of work shift, then partly cloudy.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | January 24, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|---------|------------------|----------------------------|---|--------------------------|--------------------------|---------------------------|
| Monitor | EMILCOTT | Temp | 7-21 °F | Winds | NNW – WSW – SSW 1-8 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 32-61 % | Barometer | 30.89-30.77 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 2.28" total 18.2" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 21 | 30 | 1312 | 0657 | 1533 |
| MD-2: East End of Site | D529 | 16 | 30 | 0820 | 0650 | 1527 |
| MD-3: South Side of Site | D501 | 19 | 53 | 0747 | 0632 | 1546 |
| MD-4: West End of Site | D513 | 17 | 25 | 1144 | 0644 | 1522 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-2

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|--|--|----------------------------------|------------|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | January 25, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |
| Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | | | | |

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|---------|----------------------------|------|----------|-----------|-------------------------------|--|--------------------------|------------------|---------------------------|
| Monitor | EMILCOTT | Temp | 27-37 °F | Winds | SW – W – WSW – SSW 1-7 mph | Precipitation data from Newark Airport | | | |
| Weather | AM Light snow PM Cloudy | RH | 59-87 % | Barometer | 30.60-30.47 inHg | Day (24 hour) | 0.03" total 0.5" snow | Monthly Total | 2.31" total 18.7" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 46 | 55 | 1010 | 0655 | 1540 |
| MD-2: East End of Site | D529 | 38 | 53 | 1017 | 0647 | 1533 |
| MD-3: South Side of Site | D501 | 37 | 49 | 1017 | 0632 | 1553 |
| MD-4: West End of Site | D513 | 42 | 59 | 0940 | 0640 | 1525 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-2

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Light snow during the morning.

Submitted by:

Ken Tardell

| | | | | |
|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | January 26, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|--------------------|---|---------------------------|--------------------------|---------------------------|
| Monitor | EMILCOTT | Temp | 30-33 °F | Winds | NE – N 1-40 mph | Precipitation data from Newark Airport | | | |
| Weather | Snow | RH | 74-94 % | Barometer | 30.42-30.06 inHg | Day (24 hour) | 0.97" total 11.0" snow | Monthly Total | 3.28" total 29.7" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 38 | 44 | 0711 | 0656 | 0855 |
| MD-2: East End of Site | D529 | 37 | 49 | 0702 | 0647 | 0855 |
| MD-3: South Side of Site | D501 | 45 | 62 | 0704 | 0634 | 0855 |
| MD-4: West End of Site | D513 | 38 | 50 | 0655 | 0640 | 0855 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Monitoring suspended at 08:55 AM due to snow, which continued for the remainder of the day.

Air Sampling Notes:


- Sample taken at MD-3

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Snow started early, becoming heavy before 9:00 AM, continued for the remainder of the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | January 27, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|----------------------|---|--------------------------|--------------------------|---------------------------|
| Monitor | EMILCOTT | Temp | 29-37 °F | Winds | WNW – NW 2-23 mph | Precipitation data from Newark Airport | | | |
| Weather | Partly cloudy | RH | 49-95 % | Barometer | 30.09-30.18 inHg | Day (24 hour) | 1.04" total 7.9" snow | Monthly Total | 4.32" total 37.6" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | | | | | |
| MD-2: East End of Site | D529 | | | | | |
| MD-3: South Side of Site | D501 | | | | | |
| MD-4: West End of Site | D513 | | | | | |

Air Monitoring Notes:

- No air monitoring today due to 1.5 feet of snow cover.
- No intrusive activities. Only snow removal operations.

Air Sampling Notes:


- No sample taken

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Snow ended prior to the start of the work shift.
- Wednesday – Thursday storm total 18.9" of snow reported at Newark Airport.

Submitted by:

Ken Tardell

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|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | January 28, 2011 | Rev. No. 0 |
| | | | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|-------------------------------|---|--------------------------|--------------------------|---------------------------|
| Monitor | EMILCOTT | Temp | 27-36 °F | Winds | SSW – SW – W – SSE 0-5 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy, hazy | RH | 62-82 % | Barometer | 30.24-30.17 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 4.32" total 37.6" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 65 | 101 | 1029 | 0659 | 1432 |
| MD-2: East End of Site | D529 | 63 | 100 | 1103 | 0648 | 1425 |
| MD-3: South Side of Site | D501 | 62 | 97 | 1100 | 0630 | 1446 |
| MD-4: West End of Site | D513 | 70 | 107 | 1024 | 0639 | 1421 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Readings above 100 µg/m³ at all monitors were the result of atmospheric conditions. Melting and evaporating snow created a low level haze across the entire site.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- There was no precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | | | | |
|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | January 31, 2011 | Rev. No. 0 |
| | | | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|------------------|---|--------------------------|--------------------------|---------------------------|
| Monitor | EMILCOTT | Temp | 22-32 °F | Winds | N 1-8 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 29-67 % | Barometer | 30.78-30.89 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 4.32" total 37.7" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 14 | 21 | 0834 | 0649 | 1530 |
| MD-2: East End of Site | D529 | 15 | 21 | 1056 | 0641 | 1523 |
| MD-3: South Side of Site | D501 | 16 | 26 | 0744 | 0629 | 1549 |
| MD-4: West End of Site | D513 | 17 | 25 | 0736 | 0636 | 1518 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- There was no precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|--|--|--|-------------------|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | February 1, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-------------------------------|-------------|----------|------------------|-------------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 25-31 °F | Winds | N – NE – NW - NNW 1-16 mph | Precipitation data from Newark Airport | | | |
| Weather | Snow, sleet, freezing rain | RH | 89-94 % | Barometer | 30.71-30.53 inHg | Day (24 hour) | 0.12" total 0.6" snow | Monthly Total | 0.12" total 0.6" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | | | | | |
| MD-2: East End of Site | D529 | | | | | |
| MD-3: South Side of Site | D501 | | | | | |
| MD-4: West End of Site | D513 | | | | | |

Air Monitoring Notes:

- Monitoring suspended due to precipitation.

Air Sampling Notes:


- No sample taken.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Mixed winter precipitation throughout the work shift.

Submitted by:

Ken Tardell

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|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | February 2, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------------------|-------------|----------|------------------|--------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 31-36 °F | Winds | NW – N - WNW 1-13 mph | Precipitation data from Newark Airport | | | |
| Weather | Freezing rain, rain, fog | RH | 90-94 % | Barometer | 30.30-30.00 inHg | Day (24 hour) | 0.83" total 0.8" snow | Monthly Total | 0.95" total 1.4" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | | | | | |
| MD-2: East End of Site | D529 | | | | | |
| MD-3: South Side of Site | D501 | | | | | |
| MD-4: West End of Site | D513 | | | | | |

Air Monitoring Notes:

- Monitoring suspended due to precipitation.

Air Sampling Notes:


- No sample taken.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Mixed winter precipitation throughout the work shift.
- No wind speed recorded before 12:30 due to ice on weather station.

Submitted by:

Ken Tardell

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|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | February 3, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 25-34 °F | Winds | NW 3-17 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 38-64 % | Barometer | 30.58-30.71 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 0.95" total 1.4" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 8 | 17 | 0810 | 0655 | 1723 |
| MD-2: East End of Site | D529 | 10 | 29 | 1416 | 0646 | 1718 |
| MD-3: South Side of Site | D501 | 8 | 11 | 0745 | 0630 | 1715 |
| MD-4: West End of Site | D513 | 8 | 12 | 1325 | 0640 | 1713 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | February 4, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|--------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 21-34 °F | Winds | SW – W 2-15 mph | Precipitation data from Newark Airport | | | |
| Weather | Partly cloudy | RH | 39-66 % | Barometer | 30.70-30.49 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 0.95" total 1.4" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 19 | 25 | 1038 | 0653 | 1534 |
| MD-2: East End of Site | D529 | 15 | 21 | 0859 | 0644 | 1527 |
| MD-3: South Side of Site | D501 | 18 | 31 | 0944 | 0630 | 1513 |
| MD-4: West End of Site | D513 | 18 | 25 | 0938 | 0638 | 1523 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|--|--|--|-------------------|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | February 7, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|----------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 32-45 °F | Winds | SSW – SSE 0-7 mph | Precipitation data from Newark Airport | | | |
| Weather | Partly cloudy | RH | 48-80 % | Barometer | 30.44-30.27 inHg | Day (24 hour) | 0.07" total 0.0" snow | Monthly Total | 1.18" total 1.4" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 32 | 62 | 0952 | 0652 | 1543 |
| MD-2: East End of Site | D529 | 34 | 61 | 0945 | 0645 | 1536 |
| MD-3: South Side of Site | D501 | 40 | 70 | 1007 | 0737 | 1555 |
| MD-4: West End of Site | D513 | 39 | 68 | 0940 | 0640 | 1533 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Readings above 60 µg/ m³ at all monitors were the result of atmospheric conditions. Melting and evaporating snow created a low level haze across the entire site.

Air Sampling Notes:


- Sample taken at MD-1.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|--|--|--|-------------------|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | February 8, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|------------------------------------|-------------|----------|------------------|----------------------|---|--------------------------|----------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 30-40 °F | Winds | SW – WNW 4-25 mph | Precipitation data from Newark Airport | | | |
| Weather | Rain, then partly cloudy and windy | RH | 94-38 % | Barometer | 29.91-30.22 inHg | Day (24 hour) | 0.07" total 0.0" snow | Monthly Total | 1.25" total 1.4" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D514 | 10 | 35 | 1342 | 0812 | 1544 |
| MD-2: East End of Site | D529 | 8 | 25 | 1450 | 0805 | 1539 |
| MD-3: South Side of Site | D501 | 8 | 15 | 0759 | 0744 | 1614 |
| MD-4: West End of Site | D513 | 6 | 12 | 1345 | 0800 | 1534 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Delayed start due to rain.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Rain until ~0745, then partly cloudy and windy.

Submitted by:

Ken Tardell

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|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | February 9, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|---------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 15-30 °F | Winds | W – WSW 3-13 mph | Precipitation data from Newark Airport | | | |
| Weather | Partly cloudy | RH | 35-56 % | Barometer | 30.65-30.48 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 1.25" total 1.4" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D514 | 19 | 33 | 0936 | 0651 | 1539 |
| MD-2: East End of Site | D529 | 8 | 10 | 1358 | 0643 | 1533 |
| MD-3: South Side of Site | D501 | 13 | 16 | 1144 | 0630 | 1553 |
| MD-4: West End of Site | D513 | 12 | 15 | 1222 | 0637 | 1529 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | | | | |
|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | February 10, 2011 | Rev. No. 0 |
| | | | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 23-29 °F | Winds | NW 3-16 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 27-46 % | Barometer | 30.33-30.42 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 1.25" total 1.4" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 25 | 121 | 1035 | 0650 | 1547 |
| MD-2: East End of Site | D529 | 25 | 82 | 0828 | 0643 | 1542 |
| MD-3: South Side of Site | D501 | 14 | 19 | 0812 | 0627 | 1603 |
| MD-4: West End of Site | D513 | 15 | 19 | 1052 | 0637 | 1537 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Reading above 100 µg/m³ at MD-1 due to high gusty winds. CM notified, water truck began spraying.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | February 11, 2011 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|-------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 19-38 °F | Winds | SW 1-13 mph | Precipitation data from Newark Airport | | | |
| Weather | PCloudy-Clear | RH | 33-59 % | Barometer | 30.44-30.60 in Hg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 1.25" total 1.4" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 27 | 38 | 0854 | 0655 | 1526 |
| MD-2: East End of Site | D529 | 19 | 33 | 0917 | 0647 | 1520 |
| MD-3: South Side of Site | D501 | 23 | 36 | 0744 | 0629 | 1540 |
| MD-4: West End of Site | D513 | 11 | 34 | 0741 | 0637 | 1515 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell/Lee Bishop

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|--|--|--|--|-------------------|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | February 14, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|-------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 44-57 °F | Winds | WSW 5-28 mph | Precipitation data from Newark Airport | | | |
| Weather | Partly Cloudy | RH | 31-51 % | Barometer | 29.77-29.94 in Hg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 1.25" total 1.4" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D514 | 24 | 85 | 1322 | 0647 | 1520 |
| MD-2: East End of Site | D529 | 14 | 46 | 1425 | 0635 | 1520 |
| MD-3: South Side of Site | D501 | 15 | 33 | 1344 | 0616 | 1520 |
| MD-4: West End of Site | D513 | 11 | 12 | 1104 | 0636 | 1520 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Reading of 85 µg/m³ at MD-1 due to gusty winds. CM notified, water truck began spraying.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Lee Bishop

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|--|--|--|--|-------------------|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | February 15, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|-------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 27-35 °F | Winds | WNW-N 4-20 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 21-44 % | Barometer | 30.49-30.75 in Hg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 1.25" total 1.4" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 10 | 21 | 0738 | 0638 | 1543 |
| MD-2: East End of Site | D529 | 19 | 220 | 0802 | 0632 | 1543 |
| MD-3: South Side of Site | D501 | 10 | 23 | 0811 | 0656 | 1543 |
| MD-4: West End of Site | D513 | 7 | 9 | 1256 | 0626 | 1543 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- One reading above trigger level of 200 µg/m³.
- Reading of 220 µg/m³ at MD-2 due to gusty winds. CM notified, water truck began spraying.

Air Sampling Notes:


- Air sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Lee Bishop

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|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | February 16, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|------------|------------------|------------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 28 - 48 °F | Winds | SSW - Variable 1 - 14 mph | Precipitation data from Newark Airport | | | |
| Weather | PCldy-Sunny | RH | 24 - 43 % | Barometer | 30.55 - 30.80 in Hg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 1.25" total 1.4" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 14 | 20 | 0652 | 0637 | 1523 |
| MD-2: East End of Site | D529 | 11 | 39 | 0902 | 0632 | 1523 |
| MD-3: South Side of Site | D501 | 16 | 44 | 0841 | 0642 | 1523 |
| MD-4: West End of Site | D513 | 13 | 40 | 0855 | 0625 | 1523 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- No elevated particulate readings due to gusty winds.

Air Sampling Notes:


- Air sample taken at MD-1.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Lee Bishop

| | | | | |
|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | February 17, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|------------|------------------|-----------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 44 - 64 °F | Winds | SSW - Variable 1 - 8 mph | Precipitation data from Newark Airport | | | |
| Weather | Cldy - PCldy | RH | 32 - 52 % | Barometer | 30.40 - 30.59 in Hg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 1.25" total 1.4" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 31 | 36 | 0812 | 0642 | 1511 |
| MD-2: East End of Site | D529 | 29 | 35 | 0922 | 0637 | 1511 |
| MD-3: South Side of Site | D501 | 29 | 37 | 0752 | 0652 | 1511 |
| MD-4: West End of Site | D513 | 30 | 37 | 1201 | 0631 | 1511 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- No elevated particulate readings due to gusty winds.

Air Sampling Notes:


- Air sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Lee Bishop

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|--|--|--|--|-------------------|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | February 18, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|---------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 48-68 °F | Winds | SSW - W 2-20 mph | Precipitation data from Newark Airport | | | |
| Weather | Cldy - Sunny | RH | 43-83 % | Barometer | 30.21-30.03 in Hg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 1.25" total 1.4" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 42 | 83 | 1435 | 0635 | 1517 |
| MD-2: East End of Site | D529 | 36 | 48 | 1145 | 0630 | 1517 |
| MD-3: South Side of Site | D501 | 36 | 45 | 1114 | 0644 | 1517 |
| MD-4: West End of Site | D513 | 36 | 48 | 1310 | 0625 | 1517 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Reading of 83 ug/m3 @ M1 due to gusty winds. CM called.

Air Sampling Notes:


- Air sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Lee Bishop

| | | | | |
|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | February 21, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 30-32 °F | Winds | Not recorded | Precipitation data from Newark Airport | | | |
| Weather | Snow | RH | 58-93 % | Barometer | 30.07-30.19 inHg | Day (24 hour) | 0.21" total 2.7" snow | Monthly Total | 1.46" total 4.1" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D514 | | | | | |
| MD-2: East End of Site | D529 | | | | | |
| MD-3: South Side of Site | D501 | | | | | |
| MD-4: West End of Site | D513 | | | | | |

Air Monitoring Notes:

- No monitoring performed due to snow.

Air Sampling Notes:


- No sampling performed due to snow.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Snow fell during the work shift.
- Wind gauge blocked with ice and snow, no data recorded.

Submitted by:

Ken Tardell

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|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | February 22, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|---------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 18-37 °F | Winds | N – NNW 2-12 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 32-50% | Barometer | 30.41-30.50 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 1.46" total 4.1" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D514 | 14 | 21 | 1042 | 0658 | 1535 |
| MD-2: East End of Site | D529 | 11 | 19 | 0905 | 0650 | 1529 |
| MD-3: South Side of Site | D501 | 21 | 38 | 1247 | 0632 | 1546 |
| MD-4: West End of Site | D513 | 16 | 25 | 1058 | 0643 | 1524 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|---|---|----------------------------------|------------|
| <div></div> <div>Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962</div> | <div>Daily Air Monitoring Report</div> <div>HONEYWELL SA-5</div> <div>Rt. 440 and Carbon Place</div> <div>Jersey City, New Jersey</div> | Study Area 5 Field Operations | |
| | | Latest Revision | |
| | | February 23, 2011 | Rev. No. 0 |
| | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|--------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 21-44 °F | Winds | N – NNW – NNE 1-8 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 18-58% | Barometer | 30.73-30.65 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 1.46" total 4.1" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 15 | 23 | 0850 | 0650 | 1547 |
| MD-2: East End of Site | D529 | 14 | 23 | 0813 | 0643 | 1542 |
| MD-3: South Side of Site | D501 | 22 | 43 | 0743 | 0628 | 1600 |
| MD-4: West End of Site | D513 | 20 | 27 | 1107 | 0637 | 1524 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | | |
|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | February 24, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|---------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 25-42 °F | Winds | NNE – WSW - SE 0-8 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear to cloudy | RH | 35-69% | Barometer | 30.65-30.44 inHg | Day (24 hour) | 0.04" total 0.0" snow | Monthly Total | 1.50" total 4.1" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 31 | 39 | 1025 | 0655 | 1540 |
| MD-2: East End of Site | D529 | 28 | 38 | 0848 | 0648 | 1533 |
| MD-3: South Side of Site | D501 | 33 | 51 | 0745 | 0630 | 1557 |
| MD-4: West End of Site | D513 | 30 | 41 | 0842 | 0642 | 1530 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | | |
|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | February 25, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|---------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 42-58 °F | Winds | SE – SW – WNW 1-23 mph | Precipitation data from Newark Airport | | | |
| Weather | Rain | RH | 57-95% | Barometer | 30.03-29.56 inHg | Day (24 hour) | 1.39" total 0.0" snow | Monthly Total | 2.89" total 4.1" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | | | | | |
| MD-2: East End of Site | D529 | | | | | |
| MD-3: South Side of Site | D501 | | | | | |
| MD-4: West End of Site | D513 | | | | | |

Air Monitoring Notes:

- Monitoring suspended due to rain.
- No intrusive activities.

Air Sampling Notes:


- No sample taken

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Rain during the work shift.

Submitted by:

Ken Tardell

| | | | | |
|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | February 28, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|---------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 42-60 °F | Winds | ESE – SSE – W 1-16 mph | Precipitation data from Newark Airport | | | |
| Weather | Rain | RH | 70-93% | Barometer | 30.24-29.83 inHg | Day (24 hour) | 0.50" total 0.0" snow | Monthly Total | 3.39" total 4.1" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | | | | | |
| MD-2: East End of Site | D529 | | | | | |
| MD-3: South Side of Site | D501 | | | | | |
| MD-4: West End of Site | D513 | | | | | |

Air Monitoring Notes:

- Monitoring suspended due to rain.
- No intrusive activities.

Air Sampling Notes:


- No sample taken

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Rain during the work shift.

Submitted by:

Ken Tardell

| | | | | |
|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | March 1, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|---------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 34-46 °F | Winds | NW – NNW – NW 1-15 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 17-51% | Barometer | 30.51-30.66 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 0.00" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 7 | 9 | 0731 | 0646 | 1645 |
| MD-2: East End of Site | D510 | 6 | 14 | 1503 | 0648 | 1640 |
| MD-3: South Side of Site | D501 | 13 | 20 | 0850 | 0620 | 1659 |
| MD-4: West End of Site | D513 | 11 | 57 | 1348 | 0633 | 1636 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | | | | |
|---|--|--|--|--|--|-------------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | March 2, 2011 | Rev. No. 0 |
| | | | | | Pg. 1 of 1 | |

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|----------------|------------------------|-------------|----------|------------------|---------------------|---|--------------------------|----------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 34-53 °F | Winds | SSW – W 5-22 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear to partly cloudy | RH | 24-67% | Barometer | 30.52-30.33 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 0.00" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D514 | 23 | 57 | 1546 | 0646 | 1633 |
| MD-2: East End of Site | D510 | 18 | 37 | 1355 | 0640 | 1627 |
| MD-3: South Side of Site | D501 | 17 | 24 | 0841 | 0626 | 1646 |
| MD-4: West End of Site | D513 | 22 | 56 | 1005 | 0635 | 1622 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-1.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | March 3, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|---------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 21-35 °F | Winds | NNW – N 1-12 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 18-44% | Barometer | 30.97-31.06 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 0.00" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 9 | 15 | 0732 | 0647 | 1638 |
| MD-2: East End of Site | D510 | 9 | 33 | 0811 | 0641 | 1633 |
| MD-3: South Side of Site | D501 | 11 | 23 | 0827 | 0627 | 1654 |
| MD-4: West End of Site | D513 | 9 | 12 | 1021 | 0637 | 1627 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | | | | |
|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | March 4, 2011 | Rev. No. 0 |
| | | | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|----------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 27-41 °F | Winds | NNE – SSE – SE 1-14 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 40-67% | Barometer | 31.11-30.98 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 0.00" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 10 | 29 | 0702 | 0647 | 1631 |
| MD-2: East End of Site | D510 | 7 | 31 | 0656 | 0641 | 1624 |
| MD-3: South Side of Site | D501 | 15 | 38 | 0658 | 0629 | 1647 |
| MD-4: West End of Site | D513 | 15 | 45 | 1306 | 0636 | 1618 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | | |
|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | March 7, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|----------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 34-46 °F | Winds | WNW – NW 6-22 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 36-79% | Barometer | 30.00-30.44 inHg | Day (24 hour) | 0.08" total 0.0" snow | Monthly Total | 1.97" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 9 | 24 | 1237 | 0652 | 1539 |
| MD-2: East End of Site | D510 | 6 | 11 | 1046 | 0646 | 1540 |
| MD-3: South Side of Site | D501 | 10 | 21 | 0924 | 0624 | 1600 |
| MD-4: West End of Site | D513 | 7 | 12 | 0855 | 0640 | 1533 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|--|--|--|-------------------|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | March 8, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|----------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 30-47 °F | Winds | NNE – NNW 1-9 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 24-59% | Barometer | 30.83-30.92 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 1.97" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 8 | 11 | 1004 | 0650 | 1534 |
| MD-2: East End of Site | D510 | 6 | 14 | 0758 | 0643 | 1529 |
| MD-3: South Side of Site | D501 | 13 | 33 | 1506 | 0621 | 1551 |
| MD-4: West End of Site | D513 | 14 | 35 | 1423 | 0638 | 1539 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | | |
|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | March 9, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

| | | | | | | | | | |
|----------------|-----------------|-------------|----------|------------------|---------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 35-44 °F | Winds | E – ESE 2-14 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy | RH | 49-71% | Barometer | 31.02-30.90 inHg | Day (24 hour) | 0.01" total 0.0" snow | Monthly Total | 1.98" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D514 | 14 | 17 | 1540 | 0651 | 1540 |
| MD-2: East End of Site | D510 | 9 | 13 | 1535 | 0643 | 1535 |
| MD-3: South Side of Site | D649 | 19 | 26 | 1036 | 0621 | 1612 |
| MD-4: West End of Site | D513 | 15 | 39 | 1322 | 0637 | 1555 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | | |
|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | March 10, 2011 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 43-49 °F | Winds | ESE 5-20 mph | Precipitation data from Newark Airport | | | |
| Weather | Rain | RH | 81-87% | Barometer | 30.65-30.39 inHg | Day (24 hour) | 1.00" total 0.0" snow | Monthly Total | 2.98" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 51 | 57 | 1402 | 0706 | 1416 |
| MD-2: East End of Site | D510 | 40 | 50 | 1417 | 0706 | 1417 |
| MD-3: South Side of Site | D649 | 56 | 65 | 0951 | 0706 | 1417 |
| MD-4: West End of Site | D652 | 30 | 41 | 1106 | 0706 | 1416 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Readings above 60 µg/m³ due to rain and high humidity.
- Monitoring halted at 14:16 due to heavy rain.

Air Sampling Notes:


- Sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Rain, heavy at times, during the work shift.

Submitted by:

Ken Tardell

| | | | | |
|--|--|--|--|-------------------|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | March 11, 2011 | Rev. No. 0 |
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|----------------|-------------------------------|-------------|----------|------------------|-----------------------|---|--------------------------|----------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 48-55 °F | Winds | SSE – WSW 2-14 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy, shower, then clearing | RH | 45-93% | Barometer | 30.09-30.16 inHg | Day (24 hour) | 0.82" total 0.0" snow | Monthly Total | 3.80" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D513 | 6 | 24 | 0921 | 0651 | 1629 |
| MD-2: East End of Site | D510 | 6 | 19 | 0915 | 0645 | 1624 |
| MD-3: South Side of Site | D649 | 23 | 69 | 0746 | 0631 | 1651 |
| MD-4: West End of Site | D652 | 11 | 20 | 0909 | 0639 | 1618 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- One reading above 60 µg/m³ due to rain and high humidity.

Air Sampling Notes:


- Sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Brief shower early during the work shift.

Submitted by:

Ken Tardell

| | | | | |
|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | March 14, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|----------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 40-45 °F | Winds | NNW – NW 2-15 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy | RH | 43-63% | Barometer | 30.62-30.70 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 3.80" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D513 | 7 | 14 | 0810 | 0655 | 1539 |
| MD-2: East End of Site | D514 | 16 | 46 | 0733 | 0648 | 1533 |
| MD-3: South Side of Site | D649 | 13 | 23 | 1123 | 0623 | 1608 |
| MD-4: West End of Site | D652 | 21 | 31 | 1056 | 0641 | 1546 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | | | | |
|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | March 15, 2011 | Rev. No. 0 |
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|----------------|------------------------|-------------|----------|------------------|--------------------------|---|--------------------------|----------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 33-47 °F | Winds | NE – N – SSE 0-10 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear to partly cloudy | RH | 42-75% | Barometer | 30.88-30.80 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 3.80" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D513 | 15 | 37 | 0957 | 0657 | 1607 |
| MD-2: East End of Site | D514 | 23 | 86 | 1506 | 0651 | 1601 |
| MD-3: South Side of Site | D649 | 24 | 49 | 1001 | 0631 | 1623 |
| MD-4: West End of Site | D652 | 21 | 43 | 1015 | 0645 | 1555 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- One reading above 60 µg/m³ at MD-2 – Cause unknown; isolated spike, all readings before and after in the range of 10-20 µg/m³.

Air Sampling Notes:


- Sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | March 16, 2011 | Rev. No. 0 |
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|----------------|-------------------|-------------|----------|------------------|---------------------------------|---|--------------------------|----------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 40-57 °F | Winds | NE – NNE – NW – WNW 2-11 mph | Precipitation data from Newark Airport | | | |
| Weather | Rain, then cloudy | RH | 54-92% | Barometer | 30.56-30.36 inHg | Day (24 hour) | 0.58" total 0.0" snow | Monthly Total | 4.38" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D513 | 7 | 14 | 1104 | 1056 | 1615 |
| MD-2: East End of Site | D514 | 9 | 14 | 1256 | 1056 | 1610 |
| MD-3: South Side of Site | D649 | 13 | 23 | 1126 | 1057 | 1627 |
| MD-4: West End of Site | D652 | 11 | 15 | 1326 | 1057 | 1603 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Monitoring start delayed due to rain.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Rain until 11AM.

Submitted by:

Ken Tardell

| | | | | |
|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | March 17, 2011 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|---------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 45-64 °F | Winds | NW – WNW – SW 1-12 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 25-70% | Barometer | 30.59-30.47 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 4.38" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D513 | 16 | 29 | 0838 | 0653 | 1552 |
| MD-2: East End of Site | D514 | 22 | 36 | 0831 | 0646 | 1547 |
| MD-3: South Side of Site | D649 | 22 | 38 | 0751 | 0621 | 1606 |
| MD-4: West End of Site | D652 | 21 | 32 | 0809 | 0639 | 1607 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | | |
|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | March 18, 2011 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|---------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 50-77 °F | Winds | SW – WSW – NW 4-20 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 28-65% | Barometer | 30.27-30.15 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 4.38" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D513 | 29 | 88 | 1402 | 0646 | 1547 |
| MD-2: East End of Site | D514 | 33 | 184 | 1409 | 0639 | 1546 |
| MD-3: South Side of Site | D649 | 26 | 43 | 0739 | 0624 | 1558 |
| MD-4: West End of Site | D652 | 29 | 49 | 1403 | 0718 | 1558 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Reading above 100 µg/m³ at ~1400 due to high gusty winds. Construction Manager notified, water truck sent to address.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | March 21, 2011 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|--------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 37-45 °F | Winds | S – SE 0-13 mph | Precipitation data from Newark Airport | | | |
| Weather | Rain | RH | 80-92% | Barometer | 30.70-30.27 inHg | Day (24 hour) | 0.43" total 0.0" snow | Monthly Total | 4.81" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D513 | 26 | 40 | 1559 | 1125 | 1559 |
| MD-2: East End of Site | D514 | 22 | 42 | 1604 | 1120 | 1604 |
| MD-3: South Side of Site | D649 | 35 | 60 | 1555 | 1055 | 1555 |
| MD-4: West End of Site | D652 | 18 | 35 | 1609 | 1210 | 1609 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Delayed start due to rain.

Air Sampling Notes:


- Sample taken at MD-1.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Rain, heavy until ~1100, then slacking off to mist and drizzle.

Submitted by:

Ken Tardell

| | | | | |
|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | March 22, 2011 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 44-50 °F | Winds | NW 4-16 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 41-68% | Barometer | 30.26-30.34 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 4.81" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D652 | 6 | 41 | 0914 | 0659 | 1551 |
| MD-2: East End of Site | D514 | 17 | 69 | 1452 | 0652 | 1558 |
| MD-3: South Side of Site | D649 | 10 | 19 | 0830 | 0630 | 1608 |
| MD-4: West End of Site | D513 | 6 | 14 | 0746 | 0646 | 1545 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- One reading above 60 µg/m³ at MD 2 – end of day cleanup activities.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
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| | | | March 23, 2011 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|----------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 33-37 °F | Winds | SW – N – NE – E 0-9 mph | Precipitation data from Newark Airport | | | |
| Weather | Rain, mix | RH | 86-94% | Barometer | 30.34-30.07 inHg | Day (24 hour) | 0.89" total 1.3" snow | Monthly Total | 5.70" total 1.3" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D652 | | | | | |
| MD-2: East End of Site | D514 | | | | | |
| MD-3: South Side of Site | D649 | | | | | |
| MD-4: West End of Site | D513 | | | | | |

Air Monitoring Notes:

- Monitoring suspended due to precipitation.

Air Sampling Notes:


- No sampling due to precipitation.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Mixed rain and snow during the work shift.

Submitted by:

Ken Tardell

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|--|--|--|--|-------------------|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
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| | | | March 24, 2011 | Rev. No. 0 |
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|----------------|-------------------------|-------------|----------|------------------|--------------------------------|---|--------------------------|----------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 30-43 °F | Winds | N – NNE – NNW - NW 2-13 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy to partly cloudy | RH | 46-94% | Barometer | 29.97-30.10 inHg | Day (24 hour) | 0.06" total 0.6" snow | Monthly Total | 5.76" total 1.9" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D652 | 13 | 20 | 0908 | 0708 | 1543 |
| MD-2: East End of Site | D514 | 24 | 28 | 0906 | 0652 | 1538 |
| MD-3: South Side of Site | D649 | 41 | 201 | 1138 | 0738 | 1556 |
| MD-4: West End of Site | D513 | 16 | 23 | 0914 | 0644 | 1532 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- One reading at MD-3 above trigger level of 200 µg/m³ . No visible dust, no soil disturbing activity in the immediate vicinity (photos attached); found water from melting snow in monitor intake hose.

Air Sampling Notes:

- Sample taken at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell



Honeywell International, Inc.
101 Columbia Road
Morristown, NJ 07962

Daily Air Monitoring Report
HONEYWELL SA-5
Rt. 440 and Carbon Place
Jersey City, New Jersey

Study Area 5
Field Operations


Latest Revision

March 24, 2011

Rev. No. 0

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|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
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| | | | March 25, 2011 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|----------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 29-42 °F | Winds | NW – NNW - WNW 1-14 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 26-57% | Barometer | 30.38-30.25 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 5.76" total 1.9" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D652 | 12 | 29 | 0821 | 0636 | 1551 |
| MD-2: East End of Site | D514 | 20 | 33 | 1000 | 0645 | 1532 |
| MD-3: South Side of Site | D510 | 30 | 182 | 1451 | 0706 | 1614 |
| MD-4: West End of Site | D513 | 12 | 18 | 0737 | 0637 | 1525 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Readings above 100 µg/m³ at MD-3 due to concrete sizing. CM notified, contractor advised to keep concrete wet during sizing operations.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|---|---|--|----------------------------------|------------|
| <div></div> <div>Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962</div> | <div>Daily Air Monitoring Report</div> <div>HONEYWELL SA-5</div> <div>Rt. 440 and Carbon Place</div> <div>Jersey City, New Jersey</div> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | March 28, 2011 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|----------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 27-45 °F | Winds | NW – WNW 3-17 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 26-45% | Barometer | 30.41-30.28 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 5.76" total 1.9" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D652 | 10 | 20 | 1442 | 0657 | 1552 |
| MD-2: East End of Site | D514 | 20 | 84 | 0735 | 0651 | 1546 |
| MD-3: South Side of Site | D649 | 2 | 3 | 0910 | 0643 | 1607 |
| MD-4: West End of Site | D513 | 11 | 19 | 0830 | 0645 | 1540 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- One reading above 60 µg/m³ at MD-2. Cause unknown, isolated peak, all subsequent readings below 60.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | March 29, 2011 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|----------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 32-49 °F | Winds | WNW – NW 4-18 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 26-44% | Barometer | 30.5-30.41 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 5.76" total 1.9" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D510 | 7 | 16 | 0728 | 0659 | 1544 |
| MD-2: East End of Site | D514 | 30 | 98 | 0815 | 0645 | 1539 |
| MD-3: South Side of Site | D652 | 11 | 20 | 0724 | 0709 | 1605 |
| MD-4: West End of Site | D513 | 12 | 18 | 0825 | 0640 | 1550 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Several reading above 60 µg/m³ at MD-2. Caused by gusty winds across the site. Water truck addressed as needed.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | | |
|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | March 30, 2011 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|--------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 37-51 °F | Winds | NW – SW – SE 0-10 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear to cloudy | RH | 31-55% | Barometer | 30.59-30.38 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 5.76" total 1.9" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D510 | 26 | 33 | 0700 | 0645 | 1531 |
| MD-2: East End of Site | D514 | 16 | 21 | 0823 | 0638 | 1526 |
| MD-3: South Side of Site | D513 | 32 | 79 | 1259 | 0659 | 1556 |
| MD-4: West End of Site | D649 | 18 | 29 | 1015 | 0633 | 1536 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Several readings above 60 µg/m³ at MD-3. Caused by concrete sizing operations. Contractor advised to maintain water spray on this operation.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|---|---|--|----------------------------------|------------|
| <div></div> <div>Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962</div> | <div>Daily Air Monitoring Report</div> <div>HONEYWELL SA-5</div> <div>Rt. 440 and Carbon Place</div> <div>Jersey City, New Jersey</div> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | March 31, 2011 | Rev. No. 0 |
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|----------------|---------------------------|-------------|----------|------------------|--------------------------|---|--------------------------|----------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 40-43 °F | Winds | ENE – E – NE 2-10 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy, scattered showers | RH | 62-85% | Barometer | 30.25-30.15 inHg | Day (24 hour) | 0.08" total 0.0" snow | Monthly Total | 5.84" total 1.9" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D510 | 16 | 25 | 1250 | 0650 | 1542 |
| MD-2: East End of Site | D514 | 14 | 20 | 1505 | 0643 | 1505 |
| MD-3: South Side of Site | D652 | 23 | 42 | 1004 | 0704 | 1528 |
| MD-4: West End of Site | D649 | 12 | 19 | 1437 | 0637 | 1532 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Scattered showers during the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | April 1, 2011 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|--------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 36-43 °F | Winds | N – NW 2-15 mph | Precipitation data from Newark Airport | | | |
| Weather | Rain | RH | 71-89% | Barometer | 29.81-29.69 inHg | Day (24 hour) | 0.15" total 0.0" snow | Monthly Total | 0.15" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D510 | 6 | 15 | 1028 | 0706 | 1537 |
| MD-2: East End of Site | D513 | 7 | 14 | 0956 | 0726 | 1541 |
| MD-3: South Side of Site | D514 | 9 | 17 | 1020 | 0750 | 1556 |
| MD-4: West End of Site | D649 | 14 | 25 | 1020 | 0720 | 1557 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Light rain during the work shift.

Submitted by:

Ken Tardell

| | | | | |
|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | April 4, 2011 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|---------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 46-63 °F | Winds | SE – ESE 1-9 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy | RH | 50-72% | Barometer | 30.27-29.92 inHg | Day (24 hour) | 0.04" total 0.0" snow | Monthly Total | 0.20" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D510 | 30 | 44 | 1548 | 0624 | 1548 |
| MD-2: East End of Site | D513 | 29 | 44 | 1543 | 0649 | 1543 |
| MD-3: South Side of Site | D652 | 38 | 55 | 1256 | 0712 | 1607 |
| MD-4: West End of Site | D649 | 24 | 33 | 1327 | 0642 | 1537 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|--|--|--|-------------------|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | April 5, 2011 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|--------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 44-66 °F | Winds | S – NW 3-24 mph | Precipitation data from Newark Airport | | | |
| Weather | Rain | RH | 58-86% | Barometer | 29.59-29.86 inHg | Day (24 hour) | 0.10" total 0.0" snow | Monthly Total | 0.30" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D510 | 10 | 33 | 0738 | 0646 | 1537 |
| MD-2: East End of Site | D513 | 18 | 36 | 0738 | 0636 | 1533 |
| MD-3: South Side of Site | D514 | 20 | 36 | 0857 | 0657 | 1554 |
| MD-4: West End of Site | D649 | 22 | 38 | 0738 | 0629 | 1526 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Monitoring suspended from 11:15 – 14:00 due to heavy, wind blown rain.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Rain during the work shift. Heavy and wind blown from ~11:00 – 14:00, mostly light showers the rest of the day.

Submitted by:

Ken Tardell

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|---|--|--|--|--|----------------------------------|------------|
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| | | | | | April 6, 2011 | Rev. No. 0 |
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|----------------|---------------------------|-------------|----------|------------------|---------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 38-55 °F | Winds | WSW – W 4-18 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear, becoming cloudy | RH | 25-58% | Barometer | 30.39-30.30 inHg | Day (24 hour) | 0.06" total 0.0" snow | Monthly Total | 0.36" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 15 | 27 | 1536 | 0651 | 1547 |
| MD-2: East End of Site | D652 | 12 | 17 | 1529 | 0624 | 1529 |
| MD-3: South Side of Site | D510 | 12 | 66 | 1335 | 0705 | 1603 |
| MD-4: West End of Site | D649 | 12 | 19 | 1536 | 0638 | 1536 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- One reading above 60 µg/m³ at MD-3. Isolated peak, no specific cause determined.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|---|---|--|----------------------------------|------------|
| <div></div> <div>Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962</div> | <div>Daily Air Monitoring Report</div> <div>HONEYWELL SA-5</div> <div>Rt. 440 and Carbon Place</div> <div>Jersey City, New Jersey</div> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | April 7, 2011 | Rev. No. 0 |
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|----------------|--|-------------|----------|------------------|-------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 43-49 °F | Winds | NE – N 1-9 mph | Precipitation data from Newark Airport | | | |
| Weather | Scattered showers early, then cloudy | RH | 55-84% | Barometer | 30.42-30.50 inHg | Day (24 hour) | 0.01" total 0.0" snow | Monthly Total | 0.37" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 23 | 30 | 1011 | 0656 | 1540 |
| MD-2: East End of Site | D652 | 34 | 76 | 0943 | 0628 | 1535 |
| MD-3: South Side of Site | D513 | 30 | 79 | 0938 | 0708 | 1551 |
| MD-4: West End of Site | D649 | 26 | 36 | 1013 | 0643 | 1528 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Readings above 60 µg/m³ at MD-2 and MD-3. Caused by concrete sizing operations.

Air Sampling Notes:


- Sample taken at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Few scattered showers early during the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | April 8, 2011 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|-------------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 42-50 °F | Winds | N – NE – ENE - SSE 1-8 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy | RH | 42-84% | Barometer | 30.63-30.55 inHg | Day (24 hour) | 0.04" total 0.0" snow | Monthly Total | 0.41" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 28 | 41 | 0736 | 0651 | 1529 |
| MD-2: East End of Site | D652 | 36 | 63 | 0746 | 0654 | 1524 |
| MD-3: South Side of Site | D510 | 29 | 40 | 0936 | 0706 | 1545 |
| MD-4: West End of Site | D649 | 33 | 46 | 0910 | 0640 | 1517 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- One reading above 60 µg/m³ at MD-2. Caused by concrete sizing operations.

Air Sampling Notes:


- Sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|---|---|----------------------------------|------------|
| <div></div> <div>Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962</div> | <div>Daily Air Monitoring Report</div> <div>HONEYWELL SA-5</div> <div>Rt. 440 and Carbon Place</div> <div>Jersey City, New Jersey</div> | Study Area 5 Field Operations | |
| | | Latest Revision | |
| | | April 11, 2011 | Rev. No. 0 |
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|----------------|---------------------------|-------------|----------|------------------|---------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 52-81 °F | Winds | SSW – SW – SE 3-15 mph | Precipitation data from Newark Airport | | | |
| Weather | Fog, haze, clearing PM | RH | 41-93% | Barometer | 30.21-29.92 inHg | Day (24 hour) | 0.03" total 0.0" snow | Monthly Total | 0.44" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 53 | 68 | 1009 | 0654 | 1537 |
| MD-2: East End of Site | D652 | 45 | 58 | 0955 | 0625 | 1531 |
| MD-3: South Side of Site | D513 | 57 | 85 | 0810 | 0710 | 1551 |
| MD-4: West End of Site | D649 | 54 | 70 | 0956 | 0641 | 1524 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Readings above 60 µg/m³ at all monitors caused by atmospheric conditions (fog and haze).

Air Sampling Notes:


- Sample taken at MD-1.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | April 12, 2011 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|----------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 51-64 °F | Winds | NNW – NNE – NE 2-14 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy, rain | RH | 48-87% | Barometer | 30.07-30.31 inHg | Day (24 hour) | 0.79" total 0.0" snow | Monthly Total | 1.23" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 8 | 9 | 1005 | 0650 | 1534 |
| MD-2: East End of Site | D652 | 11 | 16 | 1529 | 0620 | 1529 |
| MD-3: South Side of Site | D510 | 8 | 20 | 0818 | 0704 | 1556 |
| MD-4: West End of Site | D649 | 10 | 18 | 1129 | 0640 | 1523 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Monitoring interrupted from 11:40 – 13:15 due to rain.

Air Sampling Notes:


- Sample taken at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Heavy rain from 11:40 – 13:15.

Submitted by:

Ken Tardell

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|---|--|--|--|--|----------------------------------|------------|
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| | | | | | April 13, 2011 | Rev. No. 0 |
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|----------------|---|-------------|----------|------------------|----------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 44-50 °F | Winds | NE – ENE – NNE 1-12 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy, mist, drizzle, light fog PM | RH | 85-91% | Barometer | 30.29-30.21 inHg | Day (24 hour) | 0.30" total 0.0" snow | Monthly Total | 1.53" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 38 | 65 | 1526 | 0656 | 1526 |
| MD-2: East End of Site | D652 | 27 | 57 | 1530 | 0630 | 1530 |
| MD-3: South Side of Site | D510 | 39 | 59 | 1525 | 0711 | 1536 |
| MD-4: West End of Site | D649 | 23 | 52 | 1538 | 0644 | 1538 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Readings above 60 µg/m³ at end of day due to atmospheric conditions -- light fog moving in.

Air Sampling Notes:


- Sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Light showers, drizzle and mist during the work shift.

Submitted by:

Ken Tardell

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|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | April 14, 2011 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 50-69 °F | Winds | NW 1-13 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 27-71% | Barometer | 30.30-30.41 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 1.53" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 7 | 9 | 1050 | 0651 | 1540 |
| MD-2: East End of Site | D652 | 3 | 11 | 0632 | 0627 | 1535 |
| MD-3: South Side of Site | D649 | 14 | 35 | 1449 | 0704 | 1545 |
| MD-4: West End of Site | D513 | 8 | 12 | 1411 | 0626 | 1526 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | April 15, 2011 | Rev. No. 0 |
| | | | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|-------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 47-53 °F | Winds | NE – E – SE 2-14 mph | Precipitation data from Newark Airport | | | |
| Weather | Partly cloudy | RH | 33-54% | Barometer | 30.71-30.84 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 1.53" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D652 | 11 | 18 | 1511 | 0657 | 1656 |
| MD-2: East End of Site | D514 | 5 | 9 | 1505 | 0650 | 1701 |
| MD-3: South Side of Site | D513 | 12 | 32 | 1544 | 0644 | 1706 |
| MD-4: West End of Site | D510 | 13 | 45 | 1510 | 0640 | 1710 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | | |
|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | April 18, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|-------------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 46-63 °F | Winds | SW – W – WSW – SE 0-14 mph | Precipitation data from Newark Airport | | | |
| Weather | Partly cloudy | RH | 28-62% | Barometer | 30.31-30.41 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 4.05" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D652 | 11 | 36 | 0718 | 0703 | 1638 |
| MD-2: East End of Site | D514 | 6 | 13 | 0707 | 0622 | 1622 |
| MD-3: South Side of Site | D649 | 12 | 19 | 0702 | 0648 | 1628 |
| MD-4: West End of Site | D510 | 14 | 25 | 0657 | 0642 | 1622 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | April 19, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|---------------------------|-------------|----------|------------------|--------------------|---|--------------------------|----------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 49-51 °F | Winds | NNE – N 1-9 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy, scattered showers | RH | 65-79% | Barometer | 30.35-30.50 inHg | Day (24 hour) | 0.02" total 0.0" snow | Monthly Total | 4.07" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D652 | 22 | 27 | 1536 | 0656 | 1536 |
| MD-2: East End of Site | D513 | 24 | 35 | 0722 | 0652 | 1532 |
| MD-3: South Side of Site | D514 | 27 | 71 | 1102 | 0648 | 1528 |
| MD-4: West End of Site | D510 | 20 | 23 | 1440 | 0640 | 1522 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Two readings above 60 µg/m³ at MD-3 occurred while driving sheet piles very near the monitor.

Air Sampling Notes:


- Sample taken at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Scattered showers during the work shift.

Submitted by:

Ken Tardell

| | | | | | | |
|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | April 20, 2011 | Rev. No. 0 |
| | | | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|------------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 46-65 °F | Winds | E – ENE – S - NNE 1-9 mph | Precipitation data from Newark Airport | | | |
| Weather | Fog and haze | RH | 57-88% | Barometer | 30.34-30.17 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 4.07" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D652 | 79 | 108 | 1513 | 0658 | 1712 |
| MD-2: East End of Site | D513 | 74 | 109 | 1453 | 0653 | 1716 |
| MD-3: South Side of Site | D649 | 93 | 138 | 1518 | 0648 | 1720 |
| MD-4: West End of Site | D510 | 65 | 102 | 1441 | 0641 | 1724 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Readings above 100 µg/m³ at all locations were the result of atmospheric conditions (fog and haze). All monitors showed simultaneous increases and decreases that were unrelated to site activities. Upwind to downwind difference was no more than 30-40 µg/m³ at any time.

Air Sampling Notes:


- Sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.
- Morning fog, becoming hazy sun in the afternoon

Submitted by:

Ken Tardell

| | | | | |
|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | April 21, 2011 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|----------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 51-60 °F | Winds | NW – WNW 4-22 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear, windy | RH | 21-53% | Barometer | 30.39-30.52 inHg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 4.07" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 12 | 28 | 1144 | 0659 | 1544 |
| MD-2: East End of Site | D513 | 41 | 600 | 0753 | 0653 | 1538 |
| MD-3: South Side of Site | D652 | 21 | 82 | 1148 | 0648 | 1536 |
| MD-4: West End of Site | D510 | 10 | 20 | 1144 | 0644 | 1531 |

Air Monitoring Notes:

- One reading above the action level of 339 µg/m³. Sudden wind gust caused a spike. Water truck responded immediately.
- No other readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | April 22, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|----------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 38-50 °F | Winds | N – E -S 1-14 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy | RH | 32-56 % | Barometer | 30.8-30.86 in Hg | Day (24 hour) | 0.26" total 0.0" snow | Monthly Total | 4.33" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 8 | 13 | 0740 | 0655 | 1544 |
| MD-2: East End of Site | D513 | 14 | 34 | 0735 | 0653 | 1526 |
| MD-3: South Side of Site | D652 | 10 | 20 | 0715 | 0645 | 1536 |
| MD-4: West End of Site | D510 | 5 | 11 | 0740 | 0640 | 1531 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell / Lee Bishop

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|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | April 25, 2011 | Rev. No. 0 |
| | | | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|--------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 58-74 °F | Winds | E - N – E -SE 1-7 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy -> Sunny | RH | 56-89 % | Barometer | 30.35-30.45 in Hg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 5.53" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 89 | 105 | 1435 | 0721 | 1516 |
| MD-2: East End of Site | D513 | 80 | 100 | 1437 | 0652 | 1516 |
| MD-3: South Side of Site | D652 | 101 | 124 | 1021 | 0721 | 1516 |
| MD-4: West End of Site | D510 | 77 | 98 | 1436 | 0721 | 1516 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³

Air Sampling Notes:


- Air sample taken at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Lee Bishop

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | April 26, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|-------------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 58-81 °F | Winds | SW – NW – SW - SE 0-16 mph | Precipitation data from Newark Airport | | | |
| Weather | Mostly sunny | RH | 47-88 % | Barometer | 30.26-30.37 in Hg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 5.53" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 21 | 75 | 0750 | 0650 | 1648 |
| MD-2: East End of Site | D513 | 39 | 78 | 0826 | 0641 | 1648 |
| MD-3: South Side of Site | D652 | 35 | 82 | 0825 | 0640 | 1648 |
| MD-4: West End of Site | D510 | 31 | 76 | 0743 | 0635 | 1648 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³
- Instrument MD2 down for upgrade 12:41 – 13:56. No data collected.

Air Sampling Notes:


- Air sample taken at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Lee Bishop

| | | | | |
|--|---|--|----------------------------------|------------|
|  | <h1>Daily Air Monitoring Report</h1> <h2>HONEYWELL SA-5</h2> <h3>Rt. 440 and Carbon Place</h3> <h3>Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | April 27, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |
| Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | | | | |

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|---------|---------------|------|----------|-----------|-------------------|--|--------------------------|------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 61-73 °F | Winds | SE 2-8 mph | Precipitation data from Newark Airport | | | |
| Weather | Partly cloudy | RH | 60-86 % | Barometer | 30.27-30.38 in Hg | Day (24 hour) | 0.01" total 0.0" snow | Monthly Total | 5.54" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 22 | 60 | 1427 | 0642 | 1542 |
| MD-2: East End of Site | D513 | 29 | 40 | 1107 | 0638 | 1542 |
| MD-3: South Side of Site | D652 | 21 | 32 | 1103 | 0633 | 1542 |
| MD-4: West End of Site | D510 | 18 | 28 | 0955 | 0655 | 1542 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³

Air Sampling Notes:


- Air sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Lee Bishop

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|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | April 28, 2011 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|----------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 61-76 °F | Winds | SE – SW – W - S 1-9 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy->Rain | RH | 66-88 % | Barometer | 30.14-29.97 in Hg | Day (24 hour) | 0.33" total 0.0" snow | Monthly Total | 5.87" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 19 | 24 | 1314 | 0645 | 1314 |
| MD-2: East End of Site | D513 | 20 | 25 | 1310 | 0640 | 1314 |
| MD-3: South Side of Site | D652 | 19 | 24 | 1306 | 0636 | 1314 |
| MD-4: West End of Site | D510 | 13 | 18 | 1306 | 0651 | 1314 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³
- Air monitoring discontinued @ 1314 with onset of rain

Air Sampling Notes:


- Air sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Precipitation began @ 1314 during the work shift. Remaining work was cancelled for the day.

Submitted by:

Lee Bishop

| | | | | |
|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | April 29, 2011 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|-------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 58-69 °F | Winds | S – W 3-16 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear->Cloudy | RH | 31-57 % | Barometer | 30.10-30.14 in Hg | Day (24 hour) | 0.33" total 0.0" snow | Monthly Total | 5.87" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D514 | 12 | 60 | 1432 | 0647 | 1528 |
| MD-2: East End of Site | D513 | 15 | 30 | 0757 | 0642 | 1528 |
| MD-3: South Side of Site | D652 | 9 | 25 | 0735 | 0639 | 1528 |
| MD-4: West End of Site | D510 | 16 | 29 | 0751 | 0651 | 1528 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³

Air Sampling Notes:


- Air sample taken at MD-1.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift

Submitted by:

Lee Bishop

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | April 29, 2011 | Rev. No. 1 |
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|----------------|-----------------|-------------|----------|------------------|-------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 58-69 °F | Winds | S – W 3-16 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear->Cloudy | RH | 31-57 % | Barometer | 30.10-30.14 in Hg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 5.87" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 12 | 60 | 1432 | 0647 | 1528 |
| MD-2: East End of Site | D513 | 15 | 30 | 0757 | 0642 | 1528 |
| MD-3: South Side of Site | D652 | 9 | 25 | 0735 | 0639 | 1528 |
| MD-4: West End of Site | D510 | 16 | 29 | 0751 | 0651 | 1528 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³

Air Sampling Notes:


- Air sample taken at MD-1.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift

Submitted by:

Lee Bishop

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | May 2, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|-------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 53-61 °F | Winds | SE 1-6 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy | RH | 57-73 % | Barometer | 30.52-30.67 in Hg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 0.00" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 35 | 59 | 1430 | 0645 | 1632 |
| MD-2: East End of Site | D513 | 16 | 22 | 1110 | 0640 | 1632 |
| MD-3: South Side of Site | D652 | 12 | 17 | 1107 | 0637 | 1632 |
| MD-4: West End of Site | D510 | 19 | 59 | 1050 | 0650 | 1632 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³

Air Sampling Notes:


- Air sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift

Submitted by:

Lee Bishop

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|--|--|--|--|--|--|-------------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | May 3, 2011 | Rev. No. 0 |
| | | | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|----------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 58-71 °F | Winds | NNE - ESE 0-7 mph | Precipitation data from Newark Airport | | | |
| Weather | Clouds / sun | RH | 55-76 % | Barometer | 30.33-30.51 in Hg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 0.00" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 36 | 60 | 1432 | 0647 | 1613 |
| MD-2: East End of Site | D513 | 26 | 34 | 0913 | 0644 | 1613 |
| MD-3: South Side of Site | D652 | 24 | 33 | 0909 | 0640 | 1613 |
| MD-4: West End of Site | D510 | 25 | 38 | 1606 | 0651 | 1614 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³

Air Sampling Notes:


- Air sample taken at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift

Submitted by:

Lee Bishop

| | | | | |
|---|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | May 4, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |
| Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | | | | |

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|----------------|-----------------|-------------|------------|------------------|----------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 48 - 63 °F | Winds | N - NW 2 - 16 mph | Precipitation data from Newark Airport | | | |
| Weather | Rain | RH | 71 - 88 % | Barometer | 30.28 - 30.36 in Hg | Day (24 hour) | 0.37" total 0.0" snow | Monthly Total | 0.37" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | ---- | ---- | ---- | ---- | ---- |
| MD-2: East End of Site | D513 | ---- | ---- | ---- | ---- | ---- |
| MD-3: South Side of Site | D652 | ---- | ---- | ---- | ---- | ---- |
| MD-4: West End of Site | D510 | ---- | ---- | ---- | ---- | ---- |

Air Monitoring Notes:

- No Air Monitoring - Rain

Air Sampling Notes:


- No air sample taken - Rain.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Substantial precipitation during the work shift

Submitted by:

Lee Bishop

| | | | | | | |
|--|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | May 5, 2011 | Rev. No. 0 |
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|----------------|-------------------|-------------|------------|------------------|-----------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 50 - 65 °F | Winds | NNW - W 4 - 21 mph | Precipitation data from Newark Airport | | | |
| Weather | Sunny – Ptly Cldy | RH | 60 - 20 % | Barometer | 30.26 -30.38 in Hg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 0.33" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 19 | 83 | 0649 | 0634 | 1525 |
| MD-2: East End of Site | D513 | 15 | 37 | 1241 | 0641 | 1525 |
| MD-3: South Side of Site | D652 | 7 | 9 | 0745 | 0645 | 1525 |
| MD-4: West End of Site | D510 | 8 | 13 | 1306 | 0651 | 1525 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³
- M1 was recalibrated at 1000 due to artificially high readings

Air Sampling Notes:


- Air sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift

Submitted by:

Lee Bishop

| | | | | |
|---|--|--|--|-------------------|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | May 6, 2011 | Rev. No. 0 |
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|----------------|-------------------|-------------|------------|------------------|-------------------------|---|--------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 51 - 70 °F | Winds | W – S - E 2 - 18 mph | Precipitation data from Newark Airport | | | |
| Weather | Sunny – Ptly Cldy | RH | 23 - 53 % | Barometer | 30.22 -30.37 in Hg | Day (24 hour) | 0.00" total 0.0" snow | Monthly Total | 0.33" total 0.0" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 11 | 60 | 1414 | 0629 | 1611 |
| MD-2: East End of Site | D513 | 20 | 28 | 0920 | 0635 | 1610 |
| MD-3: South Side of Site | D652 | 11 | 20 | 0808 | 0638 | 1611 |
| MD-4: West End of Site | D510 | 11 | 23 | 1541 | 0641 | 1611 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³

Air Sampling Notes:


- Air sample taken at MD-1.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift

Submitted by:

Lee Bishop

| | | | | |
|---|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | May 9, 2011 | Rev. No. 0 |
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| | | | | | | | | | |
|----------------|-----------------|-------------|------------|------------------|--------------------|---|-------------|--------------------------|-------------|
| Monitor | EMILCOTT | Temp | 55 - 72 °F | Winds | N 2 - 13 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 24 - 52 % | Barometer | 30.38 -30.24 in Hg | Day (24 hour) | 0.00" total | Monthly Total | 0.37" total |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 1 | 5 | 1347 | 0647 | 1554 |
| MD-2: East End of Site | D513 | 12 | 19 | 1240 | 0655 | 1549 |
| MD-3: South Side of Site | D649 | 7 | 25 | 1340 | 0640 | 1545 |
| MD-4: West End of Site | D510 | 8 | 11 | 1420 | 0636 | 1541 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³

Air Sampling Notes:


- Air sample taken at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift

Submitted by:

Ken Tardell

| | | | | | | | |
|--|--|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | | Study Area 5 Field Operations | |
| | | | | | | Latest Revision | |
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|----------------|-----------------|-------------|------------|------------------|-----------------------|---|-------------|--------------------------|-------------|
| Monitor | EMILCOTT | Temp | 55 - 75 °F | Winds | N – NNE 2 - 13 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 22 - 48 % | Barometer | 30.39 -30.30 in Hg | Day (24 hour) | 0.00" total | Monthly Total | 0.37" total |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D514 | 1 | 42 | 0703 | 0648 | 1637 |
| MD-2: East End of Site | D513 | 16 | 29 | 1250 | 0705 | 1632 |
| MD-3: South Side of Site | D652 | 7 | 18 | 1036 | 0652 | 1642 |
| MD-4: West End of Site | D510 | 8 | 10 | 0832 | 0647 | 1647 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³

Air Sampling Notes:


- Air sample taken at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift

Submitted by:

Ken Tardell

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|---|--|--|----------------------------------|------------|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | May 11, 2011 | Rev. No. 0 |
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| Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | | | | |

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|----------------|-----------------|-------------|------------|------------------|--------------------------------|---|-------------|--------------------------|-------------|
| Monitor | EMILCOTT | Temp | 53 - 71 °F | Winds | N – NNE – NE – N 1 - 12 mph | Precipitation data from Newark Airport | | | |
| Weather | Partly cloudy | RH | 37 - 79 % | Barometer | 30.47 -30.41 in Hg | Day (24 hour) | 0.00" total | Monthly Total | 0.37" total |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D652 | 3 | 17 | 0723 | 0653 | 1650 |
| MD-2: East End of Site | D513 | 13 | 26 | 0714 | 0659 | 1638 |
| MD-3: South Side of Site | D649 | 5 | 20 | 0717 | 0647 | 1654 |
| MD-4: West End of Site | D510 | 6 | 17 | 0711 | 0641 | 1659 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³

Air Sampling Notes:


- Air sample taken at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift

Submitted by:

Ken Tardell

| | | | | |
|---|--|--|----------------------------------|------------|
|  | <h1>Daily Air Monitoring Report</h1> <h2>HONEYWELL SA-5</h2> <p>Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | May 12, 2011 | Rev. No. 0 |
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| Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | | | | |

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|---------|----------|------|------------|-----------|-----------------------------|--|-------------|------------------|-------------|
| Monitor | EMILCOTT | Temp | 58 - 72 °F | Winds | NE – ENE – SE 1 - 12 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 38 - 73 % | Barometer | 30.47 -30.36 in Hg | Day (24 hour) | 0.00" total | Monthly Total | 0.37" total |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D652 | 13 | 183 | 0814 | 0700 | 1656 |
| MD-2: East End of Site | D513 | 33 | 47 | 0806 | 0651 | 1650 |
| MD-3: South Side of Site | D649 | 16 | 39 | 0813 | 0643 | 1701 |
| MD-4: West End of Site | D510 | 17 | 27 | 1338 | 0638 | 1705 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³
- One reading above 100 µg/m³ was a technical glitch, caused by me as I was examining the monitor.

Air Sampling Notes:


- Air sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift

Submitted by:

Ken Tardell

| | | | | | | | | |
|---|--|--|--|--|--|--|-------------------|--|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | | | Study Area 5 Field Operations | | | |
| | | | | | Latest Revision | | | |
| | | | | | May 13, 2011 | | Rev. No. 0 | |
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|----------------|-----------------|-------------|------------|------------------|-----------------------|---|-------------|--------------------------|-------------|
| Monitor | EMILCOTT | Temp | 54 - 66 °F | Winds | SW - SSE 0 - 8 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy | RH | 52 - 74 % | Barometer | 30.36 -30.24 in Hg | Day (24 hour) | 0.00" total | Monthly Total | 0.37" total |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D652 | 10 | 16 | 0706 | 0651 | 1526 |
| MD-2: East End of Site | D513 | 21 | 26 | 0846 | 0646 | 1530 |
| MD-3: South Side of Site | D649 | 12 | 18 | 1322 | 0638 | 1527 |
| MD-4: West End of Site | D510 | 12 | 41 | 1333 | 0633 | 1540 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³

Air Sampling Notes:


- Air sample taken at MD-1.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift

Submitted by:

Ken Tardell

| | | | | | | |
|--|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
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|----------------|---------------------------------|-------------|------------|------------------|-----------------------------|---|-------------|--------------------------|-------------|
| Monitor | EMILCOTT | Temp | 56 - 63 °F | Winds | E – ENE – NNE 1 - 10 mph | Precipitation data from Newark Airport | | | |
| Weather | Fog, drizzle, scattered rain | RH | 89 - 92 % | Barometer | 30.00 -30.13 in Hg | Day (24 hour) | 0.13" total | Monthly Total | 1.23" total |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D652 | 19 | 77 | 0616 | 0601 | 1635 |
| MD-2: East End of Site | D513 | 29 | 82 | 0625 | 0610 | 1627 |
| MD-3: South Side of Site | D649 | 40 | 95 | 0640 | 0555 | 1640 |
| MD-4: West End of Site | D510 | 25 | 68 | 0619 | 0549 | 1645 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³.
- All readings above 60 µg/m³ due to fog.

Air Sampling Notes:


- Air sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Morning fog, then drizzle with intermittent rain.

Submitted by:

Ken Tardell

| | | | | | | |
|--|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
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| | | | | | | | | | |
|----------------|-----------------------------------|-------------|------------|------------------|--------------------|---|-------------|--------------------------|-------------|
| Monitor | EMILCOTT | Temp | 54 - 64 °F | Winds | NE 1 – 13 mph | Precipitation data from Newark Airport | | | |
| Weather | Intermittent rain, then cloudy | RH | 74 - 89 % | Barometer | 30.24 -30.30 in Hg | Day (24 hour) | 0.47" total | Monthly Total | 1.70" total |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D652 | 10 | 20 | 1551 | 0546 | 1619 |
| MD-2: East End of Site | D513 | 23 | 36 | 0625 | 0602 | 1614 |
| MD-3: South Side of Site | D514 | 11 | 23 | 1542 | 0614 | 1625 |
| MD-4: West End of Site | D510 | 8 | 24 | 1631 | 0559 | 1631 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sample taken at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Intermittent rain in the morning, then cloudy.

Submitted by:

Ken Tardell

| | | | |
|--|---|----------------------------------|------------|
| <div></div> <div>Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962</div> | <div>Daily Air Monitoring Report</div> <div>HONEYWELL SA-5</div> <div>Rt. 440 and Carbon Place</div> <div>Jersey City, New Jersey</div> | Study Area 5 Field Operations | |
| | | Latest Revision | |
| | | May 18, 2011 | Rev. No. 0 |
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|----------------|-------------------|-------------|------------|------------------|----------------------------|---|-------------|--------------------------|-------------|
| Monitor | EMILCOTT | Temp | 57 - 72 °F | Winds | NE – E – NNE 1 – 11 mph | Precipitation data from Newark Airport | | | |
| Weather | Intermittent rain | RH | 70 - 92 % | Barometer | 30.37 -30.30 in Hg | Day (24 hour) | 2.26" total | Monthly Total | 3.96" total |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D652 | 17 | 35 | 0840 | 0710 | 1538 |
| MD-2: East End of Site | D649 | 26 | 43 | 0833 | 0718 | 1537 |
| MD-3: South Side of Site | D514 | 25 | 41 | 0847 | 0702 | 1537 |
| MD-4: West End of Site | D510 | 14 | 25 | 0828 | 0658 | 1538 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Intermittent rain throughout the work shift.

Submitted by:

Ken Tardell

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|---|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | May 19, 2011 | Rev. No. 0 |
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|----------------|------------------------|-------------|------------|------------------|----------------------|---|----------|--------------------------|-------------|
| Monitor | EMILCOTT | Temp | 61 - 75 °F | Winds | E – ESE 0 – 8 mph | Precipitation data from Newark Airport | | | |
| Weather | Partly cloudy, hazy | RH | 59 - 93 % | Barometer | 30.33 -30.39 in Hg | Day (24 hour) | 0" total | Monthly Total | 3.96" total |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D652 | 28 | 103 | 0745 | 0700 | 1639 |
| MD-2: East End of Site | D649 | 44 | 95 | 0755 | 0655 | 1634 |
| MD-3: South Side of Site | D514 | 39 | 80 | 0748 | 0648 | 1658 |
| MD-4: West End of Site | D510 | 23 | 42 | 1042 | 0642 | 1646 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³.
- All readings above 60 µg/m³ due to atmospheric conditions – hazy.

Air Sampling Notes:


- Air sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No rain during the work shift.

Submitted by:

Ken Tardell

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|---|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | May 20, 2011 | Rev. No. 0 |
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|----------------|-------------------|-------------|------------|------------------|---------------------------------|---|------------|--------------------------|-------------|
| Monitor | EMILCOTT | Temp | 58 - 64 °F | Winds | WSW – S – SE - ESE 0 – 6 mph | Precipitation data from Newark Airport | | | |
| Weather | Intermittent Rain | RH | 67 - 91 % | Barometer | 30.29 -30.35 in Hg | Day (24 hour) | .17" total | Monthly Total | 4.13" total |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D652 | 44 | 106 | 1414 | 0646 | 1644 |
| MD-2: East End of Site | D649 | 46 | 68 | 1414 | 0656 | 1640 |
| MD-3: South Side of Site | D514 | 47 | 73 | 1608 | 0708 | 1702 |
| MD-4: West End of Site | D510 | 39 | 58 | 0810 | 0640 | 1651 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³.
- All readings above 60 µg/m³ due to atmospheric conditions – moisture from rain.

Air Sampling Notes:


- Air sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Scattered rain during the work shift.

Submitted by:

Ken Tardell

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|---|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | May 23, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |
| Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | | | | |

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|----------------|------------------------------|-------------|------------|------------------|-----------------------|---|------------|--------------------------|-------------|
| Monitor | EMILCOTT | Temp | 57 - 65 °F | Winds | ESE - SE 1 – 6 mph | Precipitation data from Newark Airport | | | |
| Weather | Intermittent Rain, Cloudy | RH | 84 - 89 % | Barometer | 30.27 -30.45 in Hg | Day (24 hour) | .03" total | Monthly Total | 4.43" total |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D652 | 20 | 35 | 1527 | 0646 | 1527 |
| MD-2: East End of Site | D649 | 26 | 43 | 1521 | 0729 | 1521 |
| MD-3: South Side of Site | D514 | 30 | 58 | 1540 | 0701 | 1540 |
| MD-4: West End of Site | D510 | 11 | 26 | 1307 | 0638 | 1532 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³.
-

Air Sampling Notes:


- Air sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Scattered rain during the work shift.

Submitted by:

Ken Tardell

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|--|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | May 24, 2011 | Rev. No. 0 |
| | | | | | Pg. 1 of 1 | |

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|----------------|-------------------------------|-------------|------------|------------------|-----------------------------|---|-------------|--------------------------|-------------|
| Monitor | EMILCOTT | Temp | 68 - 82 °F | Winds | SSW – WSW – W 3 – 15 mph | Precipitation data from Newark Airport | | | |
| Weather | AM fog, then partly cloudy | RH | 42 - 91 % | Barometer | 30.17 -30.13 in Hg | Day (24 hour) | 0.00" total | Monthly Total | 4.43" total |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D652 | 16 | 110 | 0725 | 0655 | 1530 |
| MD-2: East End of Site | D649 | 53 | 126 | 0754 | 0654 | 1524 |
| MD-3: South Side of Site | D514 | 45 | 169 | 0722 | 0707 | 1552 |
| MD-4: West End of Site | D510 | 44 | 104 | 0715 | 0645 | 1531 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³.
- All readings above 60 µg/m³ due to morning fog.

Air Sampling Notes:


- Air sample taken at MD-1.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Morning fog, becoming partly cloudy. No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|--|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | | Study Area 5 Field Operations | |
| | | | | | | Latest Revision | |
| | | | | | | May 25, 2011 | Rev. No. 0 |
| | | | | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|------------|------------------|------------------------------------|---|-------------|--------------------------|-------------|
| Monitor | EMILCOTT | Temp | 67 - 83 °F | Winds | NNE – NNW – SW – SSE 1 – 12 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear, sunny | RH | 33 - 72 % | Barometer | 30.32 -30.27 in Hg | Day (24 hour) | 0.00" total | Monthly Total | 4.43" total |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D652 | 10 | 17 | 1223 | 0654 | 1619 |
| MD-2: East End of Site | D649 | 19 | 28 | 1305 | 0650 | 1625 |
| MD-3: South Side of Site | D514 | 12 | 22 | 0733 | 0703 | 1648 |
| MD-4: West End of Site | D510 | 16 | 26 | 1055 | 0640 | 1635 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sample taken at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|--|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | | Study Area 5 Field Operations | |
| | | | | | | Latest Revision | |
| | | | | | | May 26, 2011 | Rev. No. 0 |
| | | | | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|------------|------------------|-----------------------|---|-------------|--------------------------|-------------|
| Monitor | EMILCOTT | Temp | 65 - 78 °F | Winds | SE – ESE 1 – 8 mph | Precipitation data from Newark Airport | | | |
| Weather | Hazy sun | RH | 60 - 85 % | Barometer | 30.33 -30.22 in Hg | Day (24 hour) | 0.00" total | Monthly Total | 4.43" total |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D513 | 48 | 73 | 0708 | 0653 | 1655 |
| MD-2: East End of Site | D510 | 46 | 67 | 0758 | 0658 | 1651 |
| MD-3: South Side of Site | D649 | 52 | 77 | 0754 | 0710 | 1738 |
| MD-4: West End of Site | D652 | 44 | 72 | 0701 | 0646 | 1703 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³.
- All readings above 60 µg/m³ due to atmospheric conditions – haze.

Air Sampling Notes:


- Air sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|---|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | May 27, 2011 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|------------|------------------|-----------------------------|---|-------------|--------------------------|-------------|
| Monitor | EMILCOTT | Temp | 67 - 82 °F | Winds | NNW – ESE – SE 1 – 7 mph | Precipitation data from Newark Airport | | | |
| Weather | Hazy sun | RH | 50 - 85 % | Barometer | 30.33 -30.36 in Hg | Day (24 hour) | 0.00" total | Monthly Total | 4.43" total |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D513 | 53 | 71 | 1140 | 0555 | 1150 |
| MD-2: East End of Site | D510 | 62 | 83 | 1135 | 0551 | 1153 |
| MD-3: South Side of Site | D649 | 59 | 74 | 1137 | 0607 | 1212 |
| MD-4: West End of Site | D652 | 57 | 76 | 0559 | 0544 | 1159 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³.
- All readings above 60 µg/m³ due to atmospheric conditions – haze.
- Contractor halted work at ~11:45, due to holiday weekend.

Air Sampling Notes:


- Air sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | | | | | |
|--|--|--|--|--|--|--|-------------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | | Study Area 5 Field Operations | |
| | | | | | | Latest Revision | |
| | | | | | | May 31, 2011 | Rev. No. 1 |
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|----------------|-----------------|-------------|---------|------------------|-------------------------|---|-------------|--------------------------|-------------|
| Monitor | EMILCOTT | Temp | 75-89°F | Winds | NE-SSE 2.5 – 4.6 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 31-63% | Barometer | 30.53-30.57in Hg | Day (24 hour) | 0.00" total | Monthly Total | 4.43" total |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D513 | 30.6 | 70.6 | 0708 | 0653 | 1738 |
| MD-2: East End of Site | D510 | 31.9 | 45.9 | 1602 | 0647 | 1747 |
| MD-3: South Side of Site | D649 | 29.2 | 51.4 | 1702 | 0647 | 1747 |
| MD-4: West End of Site | D652 | 27.8 | 53.1 | 1542 | 0642 | 1738 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³
- All readings above 60 µg/m³ due to atmospheric conditions – haze.

Air Sampling Notes:


- Air sample taken at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

David Tomsey

| | | | | | | |
|--|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | June 1, 2011 | Rev. No. 1 |
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|----------------|-----------------|-------------|---------|------------------|---------------------|---|-------------|--------------------------|-------------|
| Monitor | EMILCOTT | Temp | 69-92°F | Winds | SE-SW 1 - 17 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 44-88% | Barometer | 30.23-30.5 in Hg | Day (24 hour) | 0.00" total | Monthly Total | 0.12" total |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D513 | 58.5 | 65.3 | 0733 | 0619 | 1523 |
| MD-2: East End of Site | D510 | 65.7 | 78.0 | 1359 | 0614 | 1523 |
| MD-3: South Side of Site | D649 | 76.8 | 99.9 | 1047 | 0632 | 1523 |
| MD-4: West End of Site | D652 | 67.6 | 80.2 | 1423 | 0608 | 1524 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³
- All readings above 60 µg/m³ due to atmospheric conditions – humidity.
- Max reading at station 3 due to off-site source.

Air Sampling Notes:


- Air sample collected at MD-2

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

David Tomsey

| | | | | |
|---|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | June 2, 2011 | Rev. No. 1 |
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|----------------|-----------------|-------------|---------|------------------|-------------------|---|-------------|--------------------------|-------------|
| Monitor | EMILCOTT | Temp | 73-77°F | Winds | NW 5-22 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear, Windy | RH | 24-32% | Barometer | 30.24-30.29 in Hg | Day (24 hour) | 0.00" total | Monthly Total | 0.12" total |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D513 | 20.1 | 40.1 | 1543 | 0614 | 1543 |
| MD-2: East End of Site | D510 | 36.7 | 131.7 | 0925 | 0610 | 1543 |
| MD-3: South Side of Site | D649 | 26.7 | 75 | 1351 | 0651 | 1543 |
| MD-4: West End of Site | D652 | 17.9 | 33.3 | 1007 | 0607 | 1544 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³
- Max reading at station 2 due to clean fill delivery and road dust
- Max reading at station 3 due to removal of barrier and fencing adjacent to monitor.
- High winds starting at 0830 continuing through the day.

Air Sampling Notes:


- Air sample collected at MD-2

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

David Tomsey

| | | | | |
|---|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | June 3, 2011 | Rev. No. 1 |
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|----------------|-----------------|-------------|---------|------------------|-------------------|---|-------------|--------------------------|-------------|
| Monitor | EMILCOTT | Temp | 58-77°F | Winds | NW 3.4-18 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear, Windy | RH | 18-46% | Barometer | 30.35-30.47 in Hg | Day (24 hour) | 0.00" total | Monthly Total | 0.12" total |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D513 | 12.2 | 26.1 | 1430 | 0615 | 1529 |
| MD-2: East End of Site | D510 | 16.2 | 31.6 | 0726 | 0612 | 1523 |
| MD-3: South Side of Site | D649 | 12 | 30.5 | 1039 | 0609 | 1521 |
| MD-4: West End of Site | D652 | 12.1 | 22.4 | 1106 | 0606 | 1518 |

Air Monitoring Notes:

- No readings above the action level of 339 µg/m³
- No readings above trigger level of 200 µg/m³

Air Sampling Notes:

- Air sample collected at MD-2

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

David Tomsey



Honeywell International, Inc.
101 Columbia Road
Morristown, NJ 07962

Daily Air Monitoring Report

HONEYWELL SA-5

Rt. 440 and Carbon Place
Jersey City, New Jersey

Study Area 5
Field Operations

Latest Revision

September 23,
2010

Rev. No. 0

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| | | | | | | | |
|---------|----------|----------|-------|--------|------------------|--------|------|
| Monitor | EMILCOTT | Max Temp | 81 °F | Winds | NE – NNE - SE | Max RH | 85 % |
| Weather | Clear | Min Temp | 67 °F | Speeds | 2-5 mph | Min RH | 43 % |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration ($\mu\text{g}/\text{m}^3$) | Max 15-minute Concentration. ($\mu\text{g}/\text{m}^3$) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D513 | 17 | 23 | 1359 | 0700 | 1712 |
| MD-2: East End of Site | D510 | 20 | 34 | 0903 | 0833 | 1718 |
| MD-3: South Side of Site | D529 | 25 | 79 | 0820 | 0750 | 1705 |
| MD-4: West End of Site | D514 | 13 | 17 | 1349 | 1004 | 1704 |

Air Monitoring Notes:

- No excursions above the action level of $339 \mu\text{g}/\text{m}^3$.
- No readings above trigger level of $200 \mu\text{g}/\text{m}^3$.
- Peak above $60 \mu\text{g}/\text{m}^3$ at MD-3 at 0820 due to unloading and staging of sheet piles.
- Instrument datalogging problem caused no data to be recorded at MD-4 prior to 1004.

Air Sampling Notes:

- Air sampling performed at MD-3.

Submitted by:

Ken Tardell



Honeywell International, Inc.
101 Columbia Road
Morristown, NJ 07962

Daily Air Monitoring Report

HONEYWELL SA-5

Rt. 440 and Carbon Place
Jersey City, New Jersey

Study Area 5
Field Operations

Latest Revision

September 23,
2010

Rev. No. 0

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|---------|----------|----------|-------|--------|------------------|--------|------|
| Monitor | EMILCOTT | Max Temp | 81 °F | Winds | NE – NNE - SE | Max RH | 85 % |
| Weather | Clear | Min Temp | 67 °F | Speeds | 2-5 mph | Min RH | 43 % |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration ($\mu\text{g}/\text{m}^3$) | Max 15-minute Concentration. ($\mu\text{g}/\text{m}^3$) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D513 | 17 | 23 | 1359 | 0700 | 1712 |
| MD-2: East End of Site | D510 | 20 | 34 | 0903 | 0833 | 1718 |
| MD-3: South Side of Site | D529 | 25 | 79 | 0820 | 0750 | 1705 |
| MD-4: West End of Site | D514 | 13 | 17 | 1349 | 1004 | 1704 |

Air Monitoring Notes:


- No excursions above the action level of $339 \mu\text{g}/\text{m}^3$.
- No readings above trigger level of $200 \mu\text{g}/\text{m}^3$.
- Peak above $60 \mu\text{g}/\text{m}^3$ at MD-3 at 0820 due to unloading and staging of sheet piles.

Air Sampling Notes:

- Air sampling performed at MD-3.

Submitted by:

Ken Tardell

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|--|--|--|-------------------|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | Study Area 5 Field Operations | |
| | | Latest Revision | |
| | | September 29, 2010 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|--------------------------|---|------------|----------------------|------------|
| Monitor | EMILCOTT | Temp | 64-78 °F | Winds | WSW – NW - SW 1-6 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 42-84 % | Barometer | 30.27 – 30.34 inHg | Day | 0.00" rain | Monthly Total | 2.37" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D521 | 7 | 15 | 1715 | 0700 | 1814 |
| MD-2: East End of Site | D539 | 18 | 40 | 0818 | 0703 | 1818 |
| MD-3: South Side of Site | D529 | 26 | 52 | 0800 | 0700 | 1819 |
| MD-4: West End of Site | D521 | 17 | 25 | 0856 | 0833 | 1825 |

Air Monitoring Notes:


- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- MD-4 started at 08:33 due to instrument malfunction.

Air Sampling Notes:

- Air sampling performed at MD-2.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | September 30, 2010 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|---------------------------|---|------------|----------------------|------------|
| Monitor | EMILCOTT | Temp | 70-75 °F | Winds | NNE – SSE – SE 2-6 mph | Precipitation data from Newark Airport | | | |
| Weather | Rain | RH | 84-93 % | Barometer | 30.20 – 30.05 inHg | Day | 1.21" rain | Monthly Total | 3.58" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D521 | | | | | |
| MD-2: East End of Site | D539 | | | | | |
| MD-3: South Side of Site | D529 | | | | | |
| MD-4: West End of Site | D521 | | | | | |


Air Monitoring Notes:

- Monitoring suspended due to precipitation.
- No intrusive work performed.

Air Sampling Notes:

Submitted by:

Ken Tardell

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|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | October 4, 2010 | Rev. No. 0 |
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|----------------|--------------------|-------------|----------|------------------|----------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 53-55 °F | Winds | NE – NNE 2-15 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy, showers | RH | 69-90 % | Barometer | 30.48 – 30.38 inHg | Day | 0.19" rain | Monthly Total | 2.57" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D521 | 0 | 1 | 14:02 | 0702 | 1731 |
| MD-2: East End of Site | D539 | 6 | 12 | 17:47 | 0719 | 1747 |
| MD-3: South Side of Site | D529 | 9 | 18 | 16:50 | 0705 | 1734 |
| MD-4: West End of Site | D521 | 12 | 29 | 17:48 | 0703 | 1755 |

Air Monitoring Notes:


- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:

- Air sampling performed at MD-3.

Submitted by:

Ken Tardell

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|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | October 5, 2010 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|----------------------|---|------------|----------------------|------------|
| Monitor | EMILCOTT | Temp | 55-60 °F | Winds | NE – NNE 2-12 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy | RH | 81-87 % | Barometer | 30.37 – 30.29 inHg | Day | 0.01" rain | Monthly Total | 2.58" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D521 | 9 | 14 | 13:02 | 0647 | 1725 |
| MD-2: East End of Site | D539 | 8 | 21 | 17:03 | 0648 | 1726 |
| MD-3: South Side of Site | D529 | 9 | 22 | 14:34 | 0708 | 1726 |
| MD-4: West End of Site | D521 | 11 | 23 | 17:18 | 0648 | 1726 |

Air Monitoring Notes:


- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:

- Air sampling performed at MD-3.

Submitted by:

Ken Tardell

| | | | | | | |
|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | October 6, 2010 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|----------------------------|---|------------|----------------------|------------|
| Monitor | EMILCOTT | Temp | 55-64 °F | Winds | SSW – SW – WSW 1-12 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 43-86 % | Barometer | 30.35 – 30.13 inHg | Day | 0.00" rain | Monthly Total | 2.58" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|---|--|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D521 | 18 | 28 | 17:15 | 0646 | 1730 |
| MD-2: East End of Site | D539 | 8 | 21 | 15:01 | 0646 | 1731 |
| MD-3: South Side of Site | D529 | 6 | 11 | 07:17 | 0647 | 1730 |
| MD-4: West End of Site | D521 | 9 | 51 | 16:16 | 0647 | 1731 |

Air Monitoring Notes:


- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:

- Air sampling performed at MD-1.

Submitted by:

Ken Tardell

| | | | | | | |
|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | October 7, 2010 | Rev. No. 0 |
| | | | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|---------------------------|---|------------|----------------------|------------|
| Monitor | EMILCOTT | Temp | 53-72 °F | Winds | WSW – W – WNW 6-18 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 35-85 % | Barometer | 30.01 – 30.07 inHg | Day | 0.00" rain | Monthly Total | 2.58" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D521 | 21 | 36 | 12:46 | 0646 | 1707 |
| MD-2: East End of Site | D539 | 19 | 62 | 14:46 | 0646 | 1707 |
| MD-3: South Side of Site | D529 | 12 | 19 | 11:16 | 0646 | 1707 |
| MD-4: West End of Site | D521 | 12 | 21 | 07:14 | 0647 | 1707 |

Air Monitoring Notes:


- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- One reading above 60 µg/m³ at MD-2 at 14:46 due to moving and stockpiling rubble at west end of site. Water truck was observed spraying area immediately after this.

Air Sampling Notes:

- Air sampling performed at MD-2.

Submitted by:

Ken Tardell

| | | | | |
|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | October 11, 2010 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|--------------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 57-78 °F | Winds | SSE – SW – W 1-11 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 38-77 % | Barometer | 30.21 – 30.12 inHg | Day (24 hour) | 0.37" rain | Monthly Total | 2.95" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D513 | 24 | 41 | 09:55 | 0656 | 1618 |
| MD-2: East End of Site | D510 | 20 | 34 | 09:11 | 0656 | 1630 |
| MD-3: South Side of Site | D514 | 16 | 31 | 09:10 | 0655 | 1618 |
| MD-4: West End of Site | D539 | 22 | 78 | 14:10 | 0655 | 1618 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- One reading above 60 µg/m³ at MD-4 at 14:10 due to moving and staging sheet piles along east side.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- There was no precipitation during the work shift today.

Submitted by:

Ken Tardell

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|--|--|--|--|-------------------|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | October 12, 2010 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|--------------------|-------------|----------|------------------|------------------------------|---|------------|----------------------|------------|
| Monitor | EMILCOTT | Temp | 60-70 °F | Winds | WSW – W – N – NW 1-10 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy, then Clear | RH | 43-87 % | Barometer | 30.12 – 30.17 inHg | Day (24 hour) | 0.03" rain | Monthly Total | 2.98" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D513 | 23 | 35 | 09:50 | 0650 | 1626 |
| MD-2: East End of Site | D510 | 21 | 40 | 09:25 | 0657 | 1629 |
| MD-3: South Side of Site | D514 | 19 | 41 | 07:26 | 0651 | 1626 |
| MD-4: West End of Site | D539 | 25 | 43 | 08:36 | 0706 | 1626 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- There was no precipitation during the work shift today.

Submitted by:

Ken Tardell

| | | | | |
|--|--|--|--|-------------------|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | October 13, 2010 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|--------------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 47-66 °F | Winds | N – NNW – NNE 1-8 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 30-69 % | Barometer | 30.44 – 30.36 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 2.98" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D513 | 15 | 18 | 09:46 | 0646 | 1604 |
| MD-2: East End of Site | D528 | 5 | 12 | 10:06 | 0721 | 1604 |
| MD-3: South Side of Site | D514 | 7 | 23 | 07:47 | 0647 | 1605 |
| MD-4: West End of Site | D510 | 10 | 15 | 08:46 | 0646 | 1604 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | October 14, 2010 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------------|-------------|----------|------------------|------------------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 48-65 °F | Winds | NE – N – ESE – E 1-12 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear, then cloudy | RH | 48-86 % | Barometer | 30.34 – 30.14 inHg | Day (24 hour) | 0.40" rain | Monthly Total | 3.38" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D513 | 16 | 39 | 10:01 | 0646 | 1636 |
| MD-2: East End of Site | D528 | 8 | 27 | 9:54 | 0709 | 1636 |
| MD-3: South Side of Site | D514 | 12 | 31 | 10:02 | 0647 | 1637 |
| MD-4: West End of Site | D510 | 12 | 32 | 10:02 | 0647 | 1636 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Rain started during the last 15 minutes of the work shift. There had been none prior to then.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | October 15, 2010 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|---------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 50-58 °F | Winds | W – WNW 6-22 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 44-80 % | Barometer | 29.91 – 29.80 inHg | Day (24 hour) | 0.14" rain | Monthly Total | 3.52" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D513 | 27 | 41 | 12:35 | 0650 | 1544 |
| MD-2: East End of Site | D528 | 5 | 9 | 11:21 | 0651 | 1546 |
| MD-3: South Side of Site | D514 | 2 | 3 | 8:50 | 0650 | 1545 |
| MD-4: West End of Site | D510 | 5 | 18 | 9:05 | 0650 | 1545 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- There was no precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | October 18, 2010 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|---------------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 51-60 °F | Winds | W – WNW – WSW 3-15 mph | Precipitation data from Newark Airport | | | |
| Weather | Mostly cloudy | RH | 32-61 % | Barometer | 30.37 – 30.27 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 3.52" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D513 | 20 | 26 | 12:56 | 0656 | 1710 |
| MD-2: East End of Site | D514 | 5 | 12 | 9:41 | 0656 | 1711 |
| MD-3: South Side of Site | D529 | 11 | 20 | 11:25 | 0725 | 1712 |
| MD-4: West End of Site | D510 | 7 | 13 | 8:11 | 0656 | 1711 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- There was no precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | October 19, 2010 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|--------------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 49-61 °F | Winds | ESE – SE – SW 0-9 mph | Precipitation data from Newark Airport | | | |
| Weather | Clearing | RH | 47-82 % | Barometer | 30.33 – 30.24 inHg | Day (24 hour) | 0.09" rain | Monthly Total | 3.61" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D513 | 12 | 17 | 12:14 | 0659 | 1622 |
| MD-2: East End of Site | D514 | 7 | 16 | 12:03 | 0718 | 1633 |
| MD-3: South Side of Site | D529 | 16 | 32 | 13:50 | 0720 | 1624 |
| MD-4: West End of Site | D510 | 11 | 23 | 7:17 | 0632 | 1623 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- There was no precipitation during the work shift. Rain ended at ~6:45.

Submitted by:

Ken Tardell

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|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | October 20, 2010 | Rev. No. 0 |
| | | | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|--------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 46-60 °F | Winds | SE – SW 0-8 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy | RH | 41-79 % | Barometer | 30.33 – 30.18 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 3.61" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D513 | 20 | 66 | 8:51 | 0651 | 1618 |
| MD-2: East End of Site | D514 | 25 | 72 | 8:06 | 0651 | 1618 |
| MD-3: South Side of Site | D529 | 38 | 76 | 14:07 | 0652 | 1619 |
| MD-4: West End of Site | D510 | 31 | 64 | 8:36 | 0651 | 1618 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Several readings above 60 µg/m³ between 0800 and 0900 on all 4 monitors were the result of elevated background levels across the entire site, upwind as well as downwind.
- One reading above 60 µg/m³ at MD3 at 14:07 was the result of breaking up concrete immediately alongside of the monitor.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.

Submitted by:

Ken Tardell

| | | | | |
|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | October 21, 2010 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------------|-------------|----------|------------------|--------------------------|---|------------|----------------------|------------|
| Monitor | EMILCOTT | Temp | 50-63 °F | Winds | SSW – SW – W 4-19 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy, then clearing | RH | 28-91 % | Barometer | 29.94 – 30.01 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 3.61" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D513 | 20 | 67 | 7:17 | 0702 | 1629 |
| MD-2: East End of Site | D514 | 24 | 62 | 7:17 | 0702 | 1633 |
| MD-3: South Side of Site | D529 | 36 | 90 | 7:33 | 0703 | 1630 |
| MD-4: West End of Site | D510 | 28 | 65 | 7:18 | 0703 | 1629 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Several readings above 60 µg/m³ between 0700 and 0900 on all 4 monitors were the result of elevated background levels across the entire site, upwind as well as downwind.

Air Sampling Notes:


- Air sampling performed at MD-1.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Brief AM shower produced no measureable rain.

Submitted by:

Ken Tardell

| | | | | | | |
|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | October 25, 2010 | Rev. No. 0 |
| | | | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|--------------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 54-75 °F | Winds | NNE – SW – S 0-17 mph | Precipitation data from Newark Airport | | | |
| Weather | Partly cloudy | RH | 56-88 % | Barometer | 30.37 – 30.19 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 3.61" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D501 | 15 | 48 | 14:01 | 0701 | 1637 |
| MD-2: East End of Site | D514 | 19 | 38 | 7:46 | 0701 | 1633 |
| MD-3: South Side of Site | D529 | 22 | 41 | 7:47 | 0702 | 1603 |
| MD-4: West End of Site | D510 | 20 | 38 | 7:31 | 0701 | 1645 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.

Submitted by:

Ken Tardell

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|--|--|--|--|-------------------|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | October 26, 2010 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|--------------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 63-73 °F | Winds | NNE – SW – S 1-10 mph | Precipitation data from Newark Airport | | | |
| Weather | Partly cloudy | RH | 59-84 % | Barometer | 30.28 – 30.23 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 3.61" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D501 | 16 | 20 | 15:35 | 0705 | 1630 |
| MD-2: East End of Site | D513 | 19 | 25 | 11:14 | 0729 | 1623 |
| MD-3: South Side of Site | D529 | 22 | 30 | 11:52 | 0707 | 1625 |
| MD-4: West End of Site | D510 | 21 | 31 | 11:20 | 0706 | 1634 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.

Submitted by:

Ken Tardell

| | | | | | | |
|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | October 27, 2010 | Rev. No. 0 |
| | | | | | Pg. 1 of 1 | |

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|----------------|----------------------|-------------|----------|------------------|----------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 71-75 °F | Winds | SSW – SW 4-12 mph | Precipitation data from Newark Airport | | | |
| Weather | Rain, then cloudy | RH | 77-87 % | Barometer | 30.26 – 30.20 inHg | Day (24 hour) | 0.23" rain | Monthly Total | 3.84" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D501 | 12 | 19 | 8:21 | 0806 | 1523 |
| MD-2: East End of Site | D513 | 8 | 18 | 9:06 | 0801 | 1523 |
| MD-3: South Side of Site | D529 | 18 | 29 | 8:48 | 0803 | 1525 |
| MD-4: West End of Site | D510 | 16 | 20 | 15:24 | 0802 | 1524 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Monitoring start delayed due to rain.

Air Sampling Notes:


- Air sampling performed at MD-1.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Rain during first hour of work shift, then cloudy.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | October 28, 2010 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|--------------------|-------------|----------|------------------|----------------------------|---|------------|----------------------|------------|
| Monitor | EMILCOTT | Temp | 63-75 °F | Winds | SW – SSW – WSW 2-21 mph | Precipitation data from Newark Airport | | | |
| Weather | AM fog, then clear | RH | 16-93 % | Barometer | 30.25 – 30.14 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 3.84" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D501 | 21 | 96 | 14:58 | 0658 | 1607 |
| MD-2: East End of Site | D513 | 16 | 46 | 9:49 | 0735 | 1607 |
| MD-3: South Side of Site | D514 | 26 | 73 | 9:39 | 0724 | 1609 |
| MD-4: West End of Site | D510 | 26 | 69 | 9:44 | 0659 | 1608 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Readings above 60 µg/m³ at MD-1, 3, & 4 in AM due to fog across site.
- Single reading above 60 µg/m³ at MD-1 at 14:58 – reason unknown. No activity observed on site that would explain. Next reading immediately dropped back to normal level.

Air Sampling Notes:


- Air sampling performed at MD-1.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Fog across entire site until ~10:00. No precipitation.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | October 29, 2010 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|--------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 52-56 °F | Winds | WNW 3-19 mph | Precipitation data from Newark Airport | | | |
| Weather | Mostly clear | RH | 35-57 % | Barometer | 30.36 – 30.30 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 3.84" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D501 | 11 | 74 | 13:20 | 0650 | 1525 |
| MD-2: East End of Site | D513 | 17 | 45 | 13:21 | 0651 | 1522 |
| MD-3: South Side of Site | D514 | 7 | 18 | 13:22 | 0652 | 1521 |
| MD-4: West End of Site | D529 | 8 | 17 | 13:21 | 0651 | 1517 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Single reading above 60 µg/m³ at MD-1 at 13:20. Strong wind gust across site. Next reading immediately dropped back to normal level.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.

Submitted by:

Ken Tardell

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|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | November 1, 2010 | Rev. No. 0 |
| | | | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|----------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 38-50 °F | Winds | NW – NNW 2-11 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 35-56 % | Barometer | 30.65 – 30.71 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 0.00" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D510 | 2 | 7 | 7:14 | 0659 | 1517 |
| MD-2: East End of Site | D513 | 7 | 19 | 8:23 | 0709 | 1532 |
| MD-3: South Side of Site | D514 | 6 | 13 | 14:16 | 0701 | 1519 |
| MD-4: West End of Site | D529 | 7 | 13 | 13:44 | 0700 | 1517 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | November 2, 2010 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|--------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 35-52 °F | Winds | NNE – N 1-9 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 30-70 % | Barometer | 30.86 – 30.74 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 0.00" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D510 | 3 | 10 | 7:55 | 0655 | 1531 |
| MD-2: East End of Site | D501 | 7 | 41 | 15:11 | 0656 | 1531 |
| MD-3: South Side of Site | D514 | 20 | 85 | 10:42 | 0658 | 1533 |
| MD-4: West End of Site | D529 | 6 | 13 | 7:26 | 0656 | 1531 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- 2 readings above 60 µg/m³ at MD-3 at 10:27 and 10:42 due to breaking up concrete immediately adjacent to the monitor.

Air Sampling Notes:


- Air sampling performed at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | November 3, 2010 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|------------------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 38-54 °F | Winds | NE – N – SW - SE 1-12 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 43-82 % | Barometer | 30.65 – 30.45 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 0.00" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D510 | 16 | 34 | 10:00 | 0701 | 1540 |
| MD-2: East End of Site | D501 | 19 | 82 | 7:15 | 0700 | 1540 |
| MD-3: South Side of Site | D514 | 33 | 134 | 10:32 | 0702 | 1542 |
| MD-4: West End of Site | D513 | 26 | 43 | 10:00 | 0701 | 1540 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- 1 reading above 100 µg/m³ at MD-3 at 10:32 no specific cause determined; next reading back down to 35 µg/m³. Trucks were being loaded nearby. Notified CM to advise contractor to maintain dust control measures.
- 1 reading above 60 µg/m³ at MD-2 at 7:15 no cause determined; work had not yet started.

Air Sampling Notes:


- Air sampling performed at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.

Submitted by:

Ken Tardell

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|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | November 4, 2010 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|-------------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 47-49 °F | Winds | E – NNE – N 2-14 mph | Precipitation data from Newark Airport | | | |
| Weather | Rain | RH | 85-92 % | Barometer | 30.18 – 29.82 inHg | Day (24 hour) | 0.97" rain | Monthly Total | 0.97" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D510 | | | | | |
| MD-2: East End of Site | D501 | | | | | |
| MD-3: South Side of Site | D514 | | | | | |
| MD-4: West End of Site | D513 | | | | | |

Air Monitoring Notes:

- Monitoring suspended due to rain

Air Sampling Notes:


- Air sampling performed at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Site experienced continuous rain throughout the work shift.

Submitted by:

Ken Tardell

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|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | November 5, 2010 | Rev. No. 0 |
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|----------------|-------------------|-------------|----------|------------------|--------------------|---|------------|----------------------|------------|
| Monitor | EMILCOTT | Temp | 46-52 °F | Winds | NW - W 1-14 mph | Precipitation data from Newark Airport | | | |
| Weather | Rain, then cloudy | RH | 59-88 % | Barometer | 29.73 – 29.98 inHg | Day (24 hour) | 0.04" rain | Monthly Total | 1.01" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D529 | 6 | 12 | 15:15 | 0745 | 1523 |
| MD-2: East End of Site | D510 | 9 | 17 | 11:17 | 0747 | 1525 |
| MD-3: South Side of Site | D513 | 4 | 9 | 15:00 | 0745 | 1523 |
| MD-4: West End of Site | D514 | 7 | 12 | 8:00 | 0745 | 1523 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Monitoring started at 7:45 due to AM rain.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Rain during first 45 minutes of the work shift, cloudy for the rest of the day.

Submitted by:

Ken Tardell

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|---|--|--|--|--|--|-------------------|
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| | | | | | Latest Revision | |
| | | | | | November 8, 2010 | Rev. No. 0 |
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|----------------|----------------------------------|-------------|----------|------------------|--------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 42-46 °F | Winds | NW 6-23 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy, windy, scattered rain | RH | 38-68 % | Barometer | 30.06 – 29.95 inHg | Day (24 hour) | 0.01" rain | Monthly Total | 1.02" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D510 | 4 | 20 | 9:03 | 0648 | 1521 |
| MD-2: East End of Site | D513 | 26 | 152 | 9:18 | 0648 | 1521 |
| MD-3: South Side of Site | D514 | 11 | 49 | 8:50 | 0650 | 1523 |
| MD-4: West End of Site | D529 | 6 | 11 | 8:49 | 0649 | 1522 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Readings above 100 µg/m³ at MD-2 due to high gusty winds across site. Notified CM. Rain shower started at 9:30, no further elevated levels after that.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Scattered rain showers starting at 9:30.

Submitted by:

Ken Tardell

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|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | November 9, 2010 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|--------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 41-56 °F | Winds | N 2-17 mph | Precipitation data from Newark Airport | | | |
| Weather | clear | RH | 49-77 % | Barometer | 30.20 – 30.27 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 1.02" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D510 | 2 | 10 | 7:08 | 0653 | 1526 |
| MD-2: East End of Site | D513 | 8 | 40 | 8:39 | 0654 | 1526 |
| MD-3: South Side of Site | D514 | 13 | 35 | 13:26 | 0656 | 1528 |
| MD-4: West End of Site | D529 | 5 | 9 | 7:39 | 0654 | 1526 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.

Submitted by:

Ken Tardell

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|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
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|----------------|-----------------|-------------|----------|------------------|---------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 48-58 °F | Winds | N – NNE 2-15 mph | Precipitation data from Newark Airport | | | |
| Weather | Partly cloudy | RH | 33-68 % | Barometer | 30.37 – 30.50 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 1.02" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D510 | 4.6 | 7.8 | 7:46 | 0646 | 1702 |
| MD-2: East End of Site | D513 | 7.3 | 29.5 | 8:16 | 0646 | 1702 |
| MD-3: South Side of Site | D514 | 20.4 | 59.8 | 10:18 | 0648 | 1704 |
| MD-4: West End of Site | D529 | 7.2 | 11.0 | 9:01 | 0647 | 1703 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Contractor working until 17:00; monitoring continued until all work complete.

Air Sampling Notes:


- Air sampling performed at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.

Submitted by:

Ken Tardell

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|----------------|------------------------|-------------|----------|------------------|---------------------------|---|------------|----------------------|------------|
| Monitor | EMILCOTT | Temp | 40-58 °F | Winds | NNE – NNW – N 1-11 mph | Precipitation data from Newark Airport | | | |
| Weather | Partly cloudy to clear | RH | 24-65 % | Barometer | 30.71 – 30.79 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 1.02" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D510 | 5.1 | 10.2 | 7:31 | 0646 | 1532 |
| MD-2: East End of Site | D513 | 8.7 | 22.1 | 13:24 | 0639 | 1532 |
| MD-3: South Side of Site | D514 | 32.7 | 59.6 | 10:02 | 0632 | 1533 |
| MD-4: West End of Site | D529 | 6.8 | 11.6 | 7:31 | 0701 | 1532 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.

Submitted by:

Ken Tardell

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|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | November 12, 2010 | Rev. No. 0 |
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|---------|----------|------|----------|-----------|-------------------------|--|------------|------------------|------------|
| Monitor | EMILCOTT | Temp | 40-64 °F | Winds | NE – NNW – N 1-9 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 12-52 % | Barometer | 30.80 – 30.71 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 1.02" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D510 | 5.1 | 37.5 | 7:17 | 0647 | 1505 |
| MD-2: East End of Site | D513 | 9.7 | 25.3 | 11:36 | 0636 | 1505 |
| MD-3: South Side of Site | D514 | 17.5 | 44.4 | 7:15 | 0631 | 1505 |
| MD-4: West End of Site | D529 | 10.9 | 22.5 | 9:55 | 0625 | 1505 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.

Submitted by:

Ken Tardell

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|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | November 15, 2010 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|------------------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 52-60 °F | Winds | E – ENE – N - ESE 1-8 mph | Precipitation data from Newark Airport | | | |
| Weather | Mostly cloudy | RH | 62-82 % | Barometer | 30.43 – 30.36 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 1.02" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D510 | 40 | 49 | 13:57 | 0657 | 1530 |
| MD-2: East End of Site | D513 | 36 | 49 | 13:01 | 0646 | 1524 |
| MD-3: South Side of Site | D514 | 42 | 58 | 13:25 | 0640 | 1519 |
| MD-4: West End of Site | D529 | 31 | 44 | 13:05 | 0635 | 1514 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | November 16, 2010 | Rev. No. 0 |
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|----------------|-------------------|-------------|----------|------------------|--------------------|---|------------|----------------------|------------|
| Monitor | EMILCOTT | Temp | 52-56 °F | Winds | ESE 0-8 mph | Precipitation data from Newark Airport | | | |
| Weather | Scattered showers | RH | 75-92 % | Barometer | 30.44 – 30.33 inHg | Day (24 hour) | 0.40" rain | Monthly Total | 1.42" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D510 | 17 | 36 | 9:28 | 0658 | 1531 |
| MD-2: East End of Site | D513 | 18 | 32 | 9:13 | 0658 | 1531 |
| MD-3: South Side of Site | D514 | 26 | 44 | 9:58 | 0658 | 1531 |
| MD-4: West End of Site | D529 | 19 | 31 | 9:58 | 0658 | 1531 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-4.
- Mercury sample taken along with Cr6 sample.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Brief scattered showers during the work shift, no significant precipitation.

Submitted by:

Ken Tardell

| | | | | | | |
|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | November 17, 2010 | Rev. No. 0 |
| | | | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|---------------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 56-60 °F | Winds | SSW – WSW – W 5-29 mph | Precipitation data from Newark Airport | | | |
| Weather | Partly cloudy | RH | 40-78 % | Barometer | 29.86 – 30.08 inHg | Day (24 hour) | 0.11" rain | Monthly Total | 1.53" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D510 | 12 | 46 | 11:06 | 0652 | 1535 |
| MD-2: East End of Site | D513 | 11 | 34 | 12:44 | 0644 | 1544 |
| MD-3: South Side of Site | D514 | 7 | 10 | 14:52 | 0637 | 1536 |
| MD-4: West End of Site | D529 | 5 | 9 | 8:47 | 0632 | 1536 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-1.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | | | | |
|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | November 18, 2010 | Rev. No. 0 |
| | | | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|-----------------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 45-55 °F | Winds | WSW – WNW – WSW 2-11 mph | Precipitation data from Newark Airport | | | |
| Weather | clear | RH | 42-68 % | Barometer | 30.46 – 30.37 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 1.53" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D510 | 14 | 23 | 14:39 | 0654 | 1531 |
| MD-2: East End of Site | D513 | 13 | 20 | 8:41 | 0641 | 1546 |
| MD-3: South Side of Site | D514 | 15 | 23 | 8:50 | 0635 | 1542 |
| MD-4: West End of Site | D501 | 19 | 27 | 9:16 | 0646 | 1537 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | November 19, 2010 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|--------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 41-48 °F | Winds | NW 4-16 mph | Precipitation data from Newark Airport | | | |
| Weather | clear | RH | 36-65 % | Barometer | 30.56 – 30.62 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 1.53" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D510 | 4 | 10 | 7:18 | 0648 | 1525 |
| MD-2: East End of Site | D513 | 8 | 30 | 13:26 | 0641 | 1525 |
| MD-3: South Side of Site | D514 | 14 | 72 | 11:05 | 0635 | 1525 |
| MD-4: West End of Site | D501 | 14 | 18 | 8:14 | 0629 | 1527 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- One reading above 60 µg/m³ at MD-3 at 11:05 due to scraping paved surface with loader bucket.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | | | | |
|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | November 22, 2010 | Rev. No. 0 |
| | | | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|----------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 48-65 °F | Winds | NNE – SW 0-15 mph | Precipitation data from Newark Airport | | | |
| Weather | clear | RH | 50-82 % | Barometer | 30.74 – 30.53 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 1.53" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D510 | 28 | 38 | 8:34 | 0649 | 1641 |
| MD-2: East End of Site | D513 | 29 | 45 | 8:41 | 0641 | 1635 |
| MD-3: South Side of Site | D514 | 32 | 43 | 8:20 | 0635 | 1631 |
| MD-4: West End of Site | D501 | 40 | 52 | 8:28 | 0628 | 1628 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | November 23, 2010 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|--------------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 51-62 °F | Winds | S – SW – WSW 2-12 mph | Precipitation data from Newark Airport | | | |
| Weather | cloudy | RH | 62-86 % | Barometer | 30.36 – 30.16 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 1.53" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D510 | 39 | 55 | 9:04 | 0649 | 1550 |
| MD-2: East End of Site | D513 | 39 | 56 | 9:27 | 0642 | 1550 |
| MD-3: South Side of Site | D514 | 49 | 70 | 9:02 | 0702 | 1550 |
| MD-4: West End of Site | D501 | 46 | 67 | 9:30 | 0630 | 1630 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Readings above 60 µg/m³ at MD-3 and MD-4 from ~9:00-9:30 occurred during a period of elevated background readings across the entire site. These monitors were upwind at this time.

Air Sampling Notes:


- Air sampling performed at MD-1.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | November 24, 2010 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|--------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 41-50 °F | Winds | NW 5-19 mph | Precipitation data from Newark Airport | | | |
| Weather | Partly cloudy | RH | 24-45 % | Barometer | 30.46 – 30.55 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 1.53" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D510 | 4 | 9 | 7:56 | 0641 | 1355 |
| MD-2: East End of Site | D513 | 24 | 88 | 8:04 | 0634 | 1350 |
| MD-3: South Side of Site | D514 | 10 | 14 | 8:53 | 0646 | 1344 |
| MD-4: West End of Site | D501 | 7 | 10 | 9:28 | 0613 | 1358 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Readings above 60 µg/m³ at MD-2 from ~7:15-8:04 were the result of high gusty winds. Water truck began spraying and no further elevated readings were observed.

Air Sampling Notes:


- Air sampling performed at MD-1.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | November 29, 2010 | Rev. No. 0 |
| | | | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|-------------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 32-49 °F | Winds | NE – SW - SE 1-8 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 39-80 % | Barometer | 30.95 – 30.87 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 1.77" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D510 | 17 | 32 | 7:31 | 0646 | 1558 |
| MD-2: East End of Site | D513 | 22 | 35 | 8:08 | 0638 | 1552 |
| MD-3: South Side of Site | D514 | 28 | 49 | 8:25 | 0655 | 1538 |
| MD-4: West End of Site | D501 | 21 | 42 | 8:14 | 0629 | 1547 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | November 30, 2010 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|--------------------|-------------|----------|------------------|--------------------|---|------------|----------------------|------------|
| Monitor | EMILCOTT | Temp | 50-55 °F | Winds | ESE 2-10 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy, light rain | RH | 76-87 % | Barometer | 30.79 – 30.60 inHg | Day (24 hour) | 0.06" rain | Monthly Total | 1.83" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D501 | 15 | 19 | 16:59 | 0644 | 1755 |
| MD-2: East End of Site | D513 | 12 | 17 | 16:52 | 0637 | 1746 |
| MD-3: South Side of Site | D514 | 17 | 23 | 14:09 | 0654 | 1816 |
| MD-4: West End of Site | D501 | 16 | 26 | 16:00 | 0630 | 1802 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Light rain after ~1:00 PM.

Submitted by:

Ken Tardell

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|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | December 01, 2010 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|---------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 49-60 °F | Winds | ESE – W 6-22 mph | Precipitation data from Newark Airport | | | |
| Weather | Rain | RH | 83-93 % | Barometer | 30.29 – 29.89 inHg | Day (24 hour) | 1.07" rain | Monthly Total | 1.07" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D501 | | | | | |
| MD-2: East End of Site | D513 | | | | | |
| MD-3: South Side of Site | D514 | | | | | |
| MD-4: West End of Site | D510 | | | | | |

Air Monitoring Notes:

- Monitoring suspended due to rain

Air Sampling Notes:


- Sample cassette discarded, full of water.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Steady rain throughout the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | December 02, 2010 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|---------------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 34-43 °F | Winds | W – WNW – NNW 3-12 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 42-59 % | Barometer | 30.49 – 30.42 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 1.07" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D501 | 10 | 14 | 10:51 | 0651 | 1531 |
| MD-2: East End of Site | D513 | 14 | 19 | 11:14 | 0644 | 1535 |
| MD-3: South Side of Site | D514 | 13 | 16 | 8:00 | 0615 | 1553 |
| MD-4: West End of Site | D529 | 13 | 21 | 12:39 | 0621 | 1525 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | | | | |
|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | December 03, 2010 | Rev. No. 0 |
| | | | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|---------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 34-42 °F | Winds | NW – NNW 1-9 mph | Precipitation data from Newark Airport | | | |
| Weather | Partly cloudy | RH | 43-63 % | Barometer | 30.43 – 30.31 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 1.07" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D501 | 10 | 14 | 11:01 | 0646 | 1533 |
| MD-2: East End of Site | D510 | 13 | 17 | 11:23 | 0638 | 1526 |
| MD-3: South Side of Site | D514 | 18 | 25 | 7:34 | 0620 | 1549 |
| MD-4: West End of Site | D529 | 22 | 54 | 11:14 | 0629 | 1521 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-3.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | December 06, 2010 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|-----------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 31-35 °F | Winds | WSW - WNW 5-23 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy | RH | 41-70 % | Barometer | 29.95 – 29.80 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 1.07" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D501 | 21 | 66 | 13:53 | 0653 | 1616 |
| MD-2: East End of Site | D510 | 25 | 175 | 13:30 | 0645 | 1609 |
| MD-3: South Side of Site | D514 | 11 | 32 | 13:56 | 0626 | 1628 |
| MD-4: West End of Site | D529 | 6 | 10 | 13:36 | 0636 | 1603 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Readings above 100 µg/m³ at MD-2 at 13:30 due to high gusty winds. Notified CM; water truck began spraying road surfaces.

Air Sampling Notes:


- Air sampling performed at MD-1.
- Samples for both Cr6 and Hg.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | December 07, 2010 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|--------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 31-37 °F | Winds | W - NW 7-19 mph | Precipitation data from Newark Airport | | | |
| Weather | Partly Cloudy | RH | 40-69 % | Barometer | 29.87 – 30.00 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 1.07" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D501 | 12 | 22 | 12:08 | 0653 | 1656 |
| MD-2: East End of Site | D510 | 17 | 105 | 16:30 | 0645 | 1645 |
| MD-3: South Side of Site | D514 | 18 | 163 | 16:09 | 0624 | 1706 |
| MD-4: West End of Site | D529 | 7 | 10 | 8:22 | 0637 | 1643 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Readings above 100 µg/m³ at MD-2 and MD-3 after 16:00 were the result of work on the Home Depot fence. There was no excavation of contaminated soil in this area at this time.

Air Sampling Notes:


- Air sampling performed at MD-2.
- Samples for both Cr6 and Hg.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | |
|---|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | Study Area 5 Field Operations | |
| | | Latest Revision | |
| | | December 08, 2010 | Rev. No. 0 |
| | | Pg. 1 of 1 | |

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|----------------|-----------------|-------------|----------|------------------|---------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 29-35 °F | Winds | W – WNW 3-19 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 28-54 % | Barometer | 30.21 – 30.34 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 1.07" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D501 | 8 | 17 | 9:32 | 0648 | 1614 |
| MD-2: East End of Site | D510 | 23 | 128 | 9:25 | 0640 | 1603 |
| MD-3: South Side of Site | D514 | 12 | 47 | 8:06 | 0651 | 1628 |
| MD-4: West End of Site | D529 | 8 | 34 | 9:19 | 0634 | 1600 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Readings above 100 µg/m³ at MD-2 were the result of high gusty winds. Notified CM; contractor began spraying surfaces with water truck.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | December 09, 2010 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|--------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 25-32 °F | Winds | WNW 4-16 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 29-61 % | Barometer | 30.56 – 30.69 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 1.07" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D501 | 13 | 50 | 15:37 | 0652 | 1708 |
| MD-2: East End of Site | D510 | 11 | 21 | 13:39 | 0634 | 1655 |
| MD-3: South Side of Site | D514 | 17 | 26 | 8:28 | 0628 | 1713 |
| MD-4: West End of Site | D529 | 11 | 23 | 7:50 | 0636 | 1650 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | | | | |
|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
| | | | | | December 10, 2010 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|---------------------------|---|------------|--------------------------|------------|
| Monitor | EMILCOTT | Temp | 21-35 °F | Winds | NNE – SE - SSE 0-9 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy | RH | 44-66 % | Barometer | 30.82 – 30.68 inHg | Day (24 hour) | 0.00" rain | Monthly Total | 1.07" rain |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D501 | 11 | 18 | 9:01 | 0646 | 1534 |
| MD-2: East End of Site | D510 | 14 | 35 | 8:22 | 0638 | 1527 |
| MD-3: South Side of Site | D514 | 23 | 45 | 7:53 | 0624 | 1543 |
| MD-4: West End of Site | D529 | 36 | 363 | 9:30 | 0630 | 1523 |

Air Monitoring Notes:

- One excursion above the action level of 339 µg/m³. Street sweeping operations created a brief dust cloud at MD-4. Sweeping was immediately halted. Sweeping was being performed without water due to below freezing temperatures, so as not to cause icing conditions.
- No intrusive work was being performed at the time of the excursion.
- No other readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-4.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | December 13, 2010 | Rev. No. 0 |
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|----------------|---------------------------------|-------------|----------|------------------|--------------------|---|-------------------------|--------------------------|-------------------------|
| Monitor | EMILCOTT | Temp | 35-43 °F | Winds | WNW 3-16 mph | Precipitation data from Newark Airport | | | |
| Weather | Cloudy, scattered showers | RH | 58-85 % | Barometer | 29.51 – 29.58 inHg | Day (24 hour) | 0.11" rain 0.1" snow | Monthly Total | 2.39" rain 0.1" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D501 | 10 | 13 | 8:37 | 0653 | 1608 |
| MD-2: East End of Site | D510 | 10 | 13 | 8:44 | 0644 | 1600 |
| MD-3: South Side of Site | D514 | 14 | 21 | 10:11 | 0656 | 1617 |
| MD-4: West End of Site | D513 | 14 | 20 | 8:37 | 0637 | 1554 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Scattered showers early in the work shift.

Submitted by:

Ken Tardell

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|--|--|--|--|-------------------|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | December 14, 2010 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|--------------------|---|-------------------------|--------------------------|-------------------------|
| Monitor | EMILCOTT | Temp | 21-24 °F | Winds | WNW 6-19 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 40-57 % | Barometer | 29.83 – 29.99 inHg | Day (24 hour) | 0.01" rain 0.0" snow | Monthly Total | 2.40" rain 0.1" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D501 | 12 | 24 | 16:08 | 0649 | 1608 |
| MD-2: East End of Site | D510 | 50 | 165 | 14:26 | 0642 | 1600 |
| MD-3: South Side of Site | D514 | 16 | 26 | 13:08 | 0623 | 1623 |
| MD-4: West End of Site | D513 | 13 | 23 | 9:05 | 0636 | 1554 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Readings above 100 µg/m³ at MD-2 due to high gusty winds across the site. No water was being used due to below freezing temperatures, to avoid creating a safety hazard from icing.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | | |
|--|--|--|--|-------------------|
|  | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | December 15, 2010 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|--------------------|---|-------------------------|--------------------------|-------------------------|
| Monitor | EMILCOTT | Temp | 23-28 °F | Winds | WNW 5-20 mph | Precipitation data from Newark Airport | | | |
| Weather | Partly cloudy | RH | 35-54 % | Barometer | 30.13 – 30.07 inHg | Day (24 hour) | 0.01" rain 0.0" snow | Monthly Total | 2.40" rain 0.2" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D501 | 15 | 34 | 11:33 | 0648 | 1600 |
| MD-2: East End of Site | D510 | 39 | 183 | 11:26 | 0641 | 1552 |
| MD-3: South Side of Site | D514 | 14 | 46 | 10:12 | 0627 | 1612 |
| MD-4: West End of Site | D513 | 13 | 29 | 11:20 | 0635 | 1547 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Readings above 100 µg/m³ at MD-2 due to high gusty winds across the site. No water was being used due to below freezing temperatures, to avoid creating a safety hazard from icing.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|--|--|--|-------------------|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
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| | | | December 16, 2010 | Rev. No. 0 |
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|----------------|------------------------------|-------------|----------|------------------|----------------------|---|-------------------------|--------------------------|-------------------------|
| Monitor | EMILCOTT | Temp | 23-29 °F | Winds | WSW – SW 3-13 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear, becoming cloudy | RH | 48-61 % | Barometer | 30.23 – 30.14 inHg | Day (24 hour) | 0.00" rain 0.0" snow | Monthly Total | 2.40" rain 0.2" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D501 | 19 | 46 | 15:18 | 0648 | 1552 |
| MD-2: East End of Site | D510 | 15 | 20 | 12:10 | 0640 | 1543 |
| MD-3: South Side of Site | D514 | 36 | 402 | 14:57 | 0627 | 1540 |
| MD-4: West End of Site | D513 | 20 | 26 | 12:49 | 0634 | 1541 |

Air Monitoring Notes:

- One excursion above the action level of 339 µg/m³. This was due to asphalt paving operations on the Home Depot side of the south fence line; it was not the result of intrusive operations on site. Photographs attached.
- No other readings above trigger level of 200 µg/m³.

Air Sampling Notes:

- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell



Honeywell International, Inc.
101 Columbia Road
Morristown, NJ 07962

Daily Air Monitoring Report
HONEYWELL SA-5
Rt. 440 and Carbon Place
Jersey City, New Jersey

Study Area 5
Field Operations

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Honeywell International, Inc.
101 Columbia Road
Morristown, NJ 07962

Daily Air Monitoring Report
HONEYWELL SA-5
Rt. 440 and Carbon Place
Jersey City, New Jersey

Study Area 5
Field Operations


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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
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|----------------|-----------------|-------------|----------|------------------|----------------------|---|-------------------------|--------------------------|-------------------------|
| Monitor | EMILCOTT | Temp | 23-37 °F | Winds | WNW – NW 1-15 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 41-66 % | Barometer | 30.25 – 30.36 inHg | Day (24 hour) | 0.00" rain 0.0" snow | Monthly Total | 2.40" rain 0.2" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D501 | 14 | 23 | 8:52 | 0652 | 1450 |
| MD-2: East End of Site | D510 | 17 | 36 | 9:58 | 0643 | 1444 |
| MD-3: South Side of Site | D514 | 24 | 44 | 6:43 | 0629 | 1503 |
| MD-4: West End of Site | D513 | 24 | 41 | 9:06 | 0636 | 1438 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | December 20, 2010 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|----------------------|---|-------------------------|--------------------------|-------------------------|
| Monitor | EMILCOTT | Temp | 26-37 °F | Winds | NNW – NW 2-19 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 46-71 % | Barometer | 30.29 – 30.20 inHg | Day (24 hour) | 0.00" rain 0.0" snow | Monthly Total | 2.40" rain 0.2" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D529 | 35 | 53 | 15:10 | 0655 | 1545 |
| MD-2: East End of Site | D510 | 45 | 145 | 14:32 | 0647 | 1540 |
| MD-3: South Side of Site | D514 | 29 | 51 | 10:43 | 0628 | 1552 |
| MD-4: West End of Site | D513 | 31 | 39 | 13:39 | 0639 | 1533 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Readings above 100 µg/m³ at MD-2 due to high gusty winds across stockpile of clean fill dirt. Stockpile was then covered with plastic.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | | | | |
|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
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| | | | | | December 21, 2010 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|----------------------|---|-------------------------|--------------------------|-------------------------|
| Monitor | EMILCOTT | Temp | 29-40 °F | Winds | NW – NNW 6-17 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 44-56 % | Barometer | 30.19 – 30.24 inHg | Day (24 hour) | 0.00" rain 0.0" snow | Monthly Total | 2.40" rain 0.2" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D529 | 11 | 30 | 8:36 | 0649 | 1644 |
| MD-2: East End of Site | D510 | 26 | 83 | 10:41 | 0642 | 1637 |
| MD-3: South Side of Site | D514 | 12 | 22 | 8:11 | 0626 | 1659 |
| MD-4: West End of Site | D513 | 14 | 19 | 10:50 | 0635 | 1630 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.
- Readings above 60 µg/m³ at MD-2 due to high gusty winds.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | December 22, 2010 | Rev. No. 0 |
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|----------------|-----------------|-------------|----------|------------------|-----------------------|---|-------------------------|--------------------------|-------------------------|
| Monitor | EMILCOTT | Temp | 29-38 °F | Winds | WNW – NNW 2-17 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 52-73 % | Barometer | 30.23 – 30.10 inHg | Day (24 hour) | 0.00" rain 0.0" snow | Monthly Total | 2.40" rain 0.2" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D529 | 12 | 22 | 11:40 | 0640 | 1547 |
| MD-2: East End of Site | D501 | 13 | 45 | 13:25 | 0628 | 1543 |
| MD-3: South Side of Site | D514 | 13 | 18 | 12:49 | 0620 | 1603 |
| MD-4: West End of Site | D513 | 15 | 19 | 15:38 | 0627 | 1538 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
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|----------------|-----------------|-------------|----------|------------------|--------------------|---|-------------------------|--------------------------|-------------------------|
| Monitor | EMILCOTT | Temp | 32-35 °F | Winds | NW 7-24 mph | Precipitation data from Newark Airport | | | |
| Weather | Clear | RH | 49-55 % | Barometer | 30.16 – 30.24 inHg | Day (24 hour) | 0.00" rain 0.0" snow | Monthly Total | 2.40" rain 0.2" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D529 | 13 | 64 | 8:13 | 0643 | 1204 |
| MD-2: East End of Site | D501 | 81 | 319 | 8:06 | 0636 | 1159 |
| MD-3: South Side of Site | D514 | 15 | 51 | 9:07 | 0622 | 1213 |
| MD-4: West End of Site | D513 | 16 | 37 | 8:44 | 0629 | 1155 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- One reading above trigger level of 200 µg/m³ at MD-2 due to high gusty winds. Water truck began spraying area, no further readings above trigger level.
- All site work ended ~11:50.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

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|--|---|--|--|-------------------|
|  | <h1 style="text-align: center;">Daily Air Monitoring Report</h1> <h2 style="text-align: center;">HONEYWELL SA-5</h2> <h3 style="text-align: center;">Rt. 440 and Carbon Place</h3> <h3 style="text-align: center;">Jersey City, New Jersey</h3> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | December 27, 2010 | Rev. No. 0 |
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|----------------|---------------------------|-------------|----------|------------------|--------------------|---|-------------------------|----------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 22-29 °F | Winds | NW 9-29 mph | Precipitation data from Newark Airport | | | |
| Weather | Snow, blizzard conditions | RH | 39-69 % | Barometer | 29.70 – 29.85 inHg | Day (24 hour) | 0.41" rain 6.5" snow | Monthly Total | 2.81" rain 24.4" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D529 | | | | | |
| MD-2: East End of Site | D501 | | | | | |
| MD-3: South Side of Site | D514 | | | | | |
| MD-4: West End of Site | D513 | | | | | |

Air Monitoring Notes:

- No monitoring performed due to snow.
- No work performed other than snow removal.
- No Emilcott personnel on site.

Air Sampling Notes:


- No sampling performed.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- Sunday – Monday storm total 24.2 inches snow reported at Newark.

Submitted by:

Ken Tardell

| | | | | | | |
|---|--|--|--|--|----------------------------------|------------|
|  Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | Daily Air Monitoring Report HONEYWELL SA-5 Rt. 440 and Carbon Place Jersey City, New Jersey | | | | Study Area 5 Field Operations | |
| | | | | | Latest Revision | |
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|----------------|-----------------|-------------|----------|------------------|--------------------|---|-------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 33-39 °F | Winds | NW-N 2.2-13 mph | Precipitation data from Newark Airport | | | |
| Weather | Partly Cloudy | RH | 50-63 % | Barometer | 30.34-30.41 inHg | Day (24 hour) | 0.00" rain 0.0" snow | Monthly Total | 2.81" rain 24.4" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------------|------------|--|---|---|---------------|--------------|
| MD-1: North Side of Site | D529 | 21 | 27 | 1529 | 0721 | 1529 |
| MD-2: East End of Site | D501 | 24 | 33 | 1346 | 0646 | 1533 |
| MD-3: South Side of Site | D514 | 23 | 38 | 1108 | 0653 | 1545 |
| MD-4: West End of Site | D513 | 24 | 33 | 1538 | 0653 | 1538 |
| MD-5: NJCU 5ppm AOC North side | DT-1 | 34 | 45 | 1517 | 0733 | 1517 |
| MD-6: NJCU 5ppm AOC East side | DT-2 | 32 | 50 | 0727 | 0712 | 1517 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- No readings above trigger level of 200 µg/m³.

Air Sampling Notes:


- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Ken Tardell

| | | | | |
|--|--|--|--|-------------------|
|  | <h2 style="text-align: center;">Daily Air Monitoring Report</h2> <h3 style="text-align: center;">HONEYWELL SA-5</h3> <p style="text-align: center;">Rt. 440 and Carbon Place Jersey City, New Jersey</p> | | Study Area 5 Field Operations | |
| | | | Latest Revision | |
| | | | December 30, 2010 | Rev. No. 0 |
| | | | Pg. 1 of 1 | |

| | | | | | | | | | |
|----------------|-----------------|-------------|------------|------------------|---------------------|---|-------------------------|--------------------------|--------------------------|
| Monitor | EMILCOTT | Temp | 23 - 39 °F | Winds | WNW -W 3 - 8 mph | Precipitation data from Newark Airport | | | |
| Weather | Sunny | RH | 54 - 93 % | Barometer | 30.54 - 30.64 inHg | Day (24 hour) | 0.00" rain 0.0" snow | Monthly Total | 2.81" rain 24.4" snow |

* Weather data (0700-1700) based on 1-minute intervals.

| Station / Location | Serial No. | Average Concentration (ug/m ³) | Max 15-minute Concentration. (ug/m ³) | Time of Max 15-minute Concentration | Start Time | Stop Time |
|--------------------------------|------------|--|---|-------------------------------------|------------|-----------|
| MD-1: North Side of Site | D529 | 66 | 102 | 1129 | 0645 | 1447 |
| MD-2: East End of Site | D501 | 78 | 131 | 1014 | 0729 | 1448 |
| MD-3: South Side of Site | D514 | 74 | 116 | 1122 | 0622 | 1456 |
| MD-4: West End of Site | D513 | 76 | 109 | 0845 | 0630 | 1452 |
| MD-5: NJCU 5ppm AOC North side | DT-1 | 143 | 213 | 0819 | 0704 | 1441 |
| MD-6: NJCU 5ppm AOC East side | DT-2 | 134 | 200 | 1114 | 0659 | 1432 |

Air Monitoring Notes:

- No excursions above the action level of 339 µg/m³.
- Readings above trigger level of 200 µg/m³.
- Readings above 60 µg/m³ at all locations due to high humidity

Air Sampling Notes:

- Air sampling performed at MD-2.

Weather Notes:

- Precipitation data is 24-hour midnight to midnight. All other data is for the work shift.
- No precipitation during the work shift.

Submitted by:

Wendell Clark



90 Lambertson Road, Windsor, CT 06095

Phone #: 1-800-842-0355

Fax#: 860-687-7430

AIHA IHLAP Accredited - Laboratory ID 100126

Laboratory Work Order Number: 2010070965

Report Issued To:

David Tomsey
Emilcott Associates
466 Southern Blvd. 2nd Floor
Chatham, NJ 07928

Date Samples Received: 7/27/2010

Report Date: 8/2/2010

Location Sampled: Honeywell/Hudson County SA5

Sample Submitter: David Tomsey

| Sample ID | Sample Description | Results | | Air Volume or Total Time |
|---------------------------|--------------------|----------|---------|-----------------------------|
| <u>Total Particulates</u> | | mg/m3 | µg | |
| M3071910 | MD 3 1292TG | LT 0.073 | LT 100. | 1377 Liters |
| M3072110 | MD 3 1302TG | LT 0.072 | LT 100. | 1389 Liters |
| FB072210 | Field Blank 1307TG | | LT 100. | |
| TB072210 | Trip Blank 1310TG | | LT 100. | |

COMMENTS:

The particulate sample results have been blank corrected.

Chromium (VI) Compounds, as Cr(VI)

| | | mg/m3 | µg | |
|----------|--------------------|--------------|----------|-------------|
| M3071910 | MD 3 1292TG | LT 0.0000074 | LT 0.010 | 1377 Liters |
| M3072110 | MD 3 1302TG | LT 0.0000073 | LT 0.010 | 1389 Liters |
| FB072210 | Field Blank 1307TG | | 0.019 | |
| TB072210 | Trip Blank 1310TG | | 0.013 | |

COMMENTS:

The Chromium (VI) sample results have been blank corrected.

M3071910 QC spikes run with these samples on PVC filters had recoveries of 95.2% and 95.8%.

| <u>Analyte</u> | <u>Media type</u> | <u>MRL</u> | <u>Reference Method</u> | <u>Analysis Date</u> |
|---|-------------------|------------|--|----------------------|
| Chromium (VI) Compounds, as Cr(VI) | PVC Filter | 0.01 µg | Ion Chromatography/ICP-MS - Modified OSHA ID 215 | 8/2/2010 |
| Total Particulates | PVC Filter | 100. µg | Gravimetry - NIOSH 0500 | 7/28/2010 |

Please Note: The method reporting limits (MRLs) listed are for normally processed samples. Samples requiring special processing (i.e. dilutions) may have elevated MRLs.
N.A. = Not Applicable

WORKORDER COMMENTS:

The reported data relate only to the samples as received by the Laboratory. The reported air concentrations have been calculated using information supplied by the customer and have NOT been adjusted to represent a Time Weighted Average (TWA). "LT" indicates less than the method reporting limit (MRL). The contaminant may or may not be present at levels below this concentration. This report shall not be reproduced except in full, without written approval of the laboratory. The samples have not been blank corrected unless otherwise noted. Unless otherwise noted, all samples were received in satisfactory condition.

Approved by:

Tom Surves

Tom Surveski
QA Manager

Josef Chrza

Josef Chrzanowski
Production Group Leader

George E. Johnson

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Group Leader

Marcel F. Baril

Marcel F. Baril
Laboratory Director



90 Lamberton Road, Windsor, CT 06095

Phone #: 1-800-842-0355

Fax#: 860-687-7430

AIHA IHLAP Accredited - Laboratory ID 100126

Laboratory Work Order Number: 2010080122

Report Issued To:

David Tomsey
Emilcott Associates
466 Southern Blvd. 2nd Floor
Chatham, NJ 07928

Date Samples Received: 8/4/2010

Report Date: 8/10/2010

Location Sampled: Honeywell/Hudson County SA5

Sample Submitter: David Tomsey

| Sample ID | Sample Description | Results | | Air Volume or Total Time |
|---|--|----------|---------|-----------------------------|
| <u>Total Particulates</u> | | | | |
| | | mg/m3 | µg | |
| M2072710 | MD 2 546TK | LT 0.11 | LT 100. | 927 Liters |
| M1072910 | MD 1 525TK | LT 0.10 | LT 100. | 955 Liters |
| M1072310 | MD 4 518TK | LT 0.10 | LT 100. | 988 Liters |
| | | | | |
| <u>Chromium (VI) Compounds, as Cr(VI)</u> | | | | |
| | | mg/m3 | µg | |
| M2072710 | MD 2 546TK | 0.000012 | 0.011 | 927 Liters |
| M1072910 | MD 1 525TK | 0.000015 | 0.014 | 955 Liters |
| M1072310 | MD 4 518TK | 0.000013 | 0.013 | 988 Liters |
| | | | | |
| M2072710 | QC spikes run with these samples on PVC filters had recoveries of 96.4% and 96.4%. | | | |

| <u>Analyte</u> | <u>Media type</u> | <u>MRL</u> | <u>Reference Method</u> | <u>Analysis Date</u> |
|---|-------------------|------------|--|----------------------|
| Chromium (VI) Compounds, as Cr(VI) | PVC Filter | 0.01 µg | Ion Chromatography/ICP-MS - Modified OSHA ID 215 | 8/10/2010 |
| Total Particulates | PVC Filter | 100. µg | Gravimetry - NIOSH 0500 | 8/5/2010 |

Please Note: The method reporting limits (MRLs) listed are for normally processed samples. Samples requiring special processing (i.e. dilutions) may have elevated MRLs.
N.A. = Not Applicable

WORKORDER COMMENTS:

The reported data relate only to the samples as received by the Laboratory. The reported air concentrations have been calculated using information supplied by the customer and have NOT been adjusted to represent a Time Weighted Average (TWA). "LT" indicates less than the method reporting limit (MRL). The contaminant may or may not be present at levels below this concentration. This report shall not be reproduced except in full, without written approval of the laboratory. The samples have not been blank corrected unless otherwise noted. Unless otherwise noted, all samples were received in satisfactory condition.

Approved by:

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QA Manager

Josef Chrza

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Laboratory Director



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AIHA IHLAP Accredited - Laboratory ID 100126

Laboratory Work Order Number: 2010080258

Report Issued To:

David Tomsey
Emilcott Associates
466 Southern Blvd. 2nd Floor
Chatham, NJ 07928

Date Samples Received: 8/6/2010

Report Date: 8/13/2010

Location Sampled: Honeywell/Hudson County SA5

Sample Submitter: David Tomsey

| Sample ID | Sample Description | Results | | Air Volume or Total Time |
|----------------------|------------------------|------------|--------|-----------------------------|
| <u>Mercury Vapor</u> | | | | |
| | | mg/m3 | µg | |
| M2072710H | MD 2 3221005542 | LT 0.00097 | LT0.10 | 103 Liters |
| M1072810H | MD 1 3221005568 | LT 0.00088 | LT0.10 | 114 Liters |
| M3072910H | MD 3 3221005562 | LT 0.00095 | LT0.10 | 105 Liters |
| M4072910H | MD 4 3221005545 | LT 0.0010 | LT0.10 | 100 Liters |
| M4080310H | MD 4 3221005569 | LT 0.00087 | LT0.10 | 115 Liters |
| F0805210 | Field Blank 3221005565 | | LT0.10 | |

COMMENTS:

Metal sample results have been blank corrected.

| <u>Analyte</u> | <u>Media type</u> | <u>MRL</u> | <u>Reference Method</u> | <u>Analysis Date</u> |
|----------------|-------------------|------------|--|----------------------|
| Mercury Vapor | 226-17-1A | 0.10 µg | OSHA 140 Digestion followed by ICP/MS - Modified OSHA ID 140 | 8/13/2010 |

Please Note: The method reporting limits (MRLs) listed are for normally processed samples. Samples requiring special processing (i.e. dilutions) may have elevated MRLs.
N.A. = Not Applicable

WORKORDER COMMENTS:

The reported data relate only to the samples as received by the Laboratory. The reported air concentrations have been calculated using information supplied by the customer and have NOT been adjusted to represent a Time Weighted Average (TWA). "LT" indicates less than the method reporting limit (MRL). The contaminant may or may not be present at levels below this concentration. This report shall not be reproduced except in full, without written approval of the laboratory. The samples have not been blank corrected unless otherwise noted. Unless otherwise noted, all samples were received in satisfactory condition.

Approved by:

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QA Manager

Josef Chrza

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Group Leader

Marcel F. Baril

Marcel F. Baril
Laboratory Director



90 Lamberton Road, Windsor, CT 06095

Phone #: 1-800-842-0355

Fax#: 860-687-7430

AIHA IHLAP Accredited - Laboratory ID 100126

Laboratory Work Order Number: 2010081037

Report Issued To:

David Tomsey
Emilcott Associates
466 Southern Blvd. 2nd Floor
Chatham, NJ 07928

Date Samples Received: 8/27/2010

Report Date: 9/2/2010

Location Sampled: Honeywell/Hudson County SA5

Sample Submitter: David Tomsey

| Sample ID | Sample Description | Results | | Air Volume or Total Time |
|---|--------------------|-------------|----------|--------------------------|
| <u>Chromium (VI) Compounds, as Cr(VI)</u> | | | | |
| | | mg/m3 | µg | |
| M3082410 | MD 3 512 TK | LT 0.000011 | LT 0.010 | 898 Liters |
| Field Blank | Field Blank 488 TK | | 0.018 | |
| Trip Blank | Trip Blank 519 TK | | 0.015 | |
| M3082310 | MD 3 517 TK | LT 0.000015 | LT 0.010 | 699 Liters |

COMMENTS:

The Chromium (VI) sample results have been blank corrected.

M3082410 QC spikes run with these samples on PVC filters had recoveries of 98.6% and 97.8%.

| <u>Analyte</u> | <u>Media type</u> | <u>MRL</u> | <u>Reference Method</u> | <u>Analysis Date</u> |
|------------------------------------|-------------------|------------|--|----------------------|
| Chromium (VI) Compounds, as Cr(VI) | PVC Filter | 0.01 µg | Ion Chromatography/ICP-MS - Modified OSHA ID 215 | 9/1/2010 |

Please Note: The method reporting limits (MRLs) listed are for normally processed samples. Samples requiring special processing (i.e. dilutions) may have elevated MRLs.
N.A. = Not Applicable

WORKORDER COMMENTS:

The reported data relate only to the samples as received by the Laboratory. The reported air concentrations have been calculated using information supplied by the customer and have NOT been adjusted to represent a Time Weighted Average (TWA). "LT" indicates less than the method reporting limit (MRL). The contaminant may or may not be present at levels below this concentration. This report shall not be reproduced except in full, without written approval of the laboratory. The samples have not been blank corrected unless otherwise noted. Unless otherwise noted, all samples were received in satisfactory condition.

Approved by:

Tom Surves

Tom Surveski
QA Manager

Josef Chrza

Josef Chrzanowski
Production Group Leader

George E. Johnson

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Group Leader

Marcel F. E

Marcel F. Baril
Laboratory Director



90 Lamberton Road, Windsor, CT 06095

Phone #: 1-800-842-0355

Fax#: 860-687-7430

AIHA IHLAP Accredited - Laboratory ID 100126

Laboratory Work Order Number: 2010090752

Report Issued To:

David Tomsey
Emilcott Associates
466 Southern Blvd. 2nd Floor
Chatham, NJ 07928

Date Samples Received: 9/21/2010

Report Date: 9/28/2010

Location Sampled: Honeywell/Hudson County SA5

Sample Submitter: David Tomsey

| Sample ID | Sample Description | Results | | Air Volume or Total Time |
|---|---|--------------|----------|-----------------------------|
| <u>Chromium (VI) Compounds, as Cr(VI)</u> | | | | |
| | | mg/m3 | µg | |
| M4091510 | MD 4, 511 TK | 0.000048 | 0.057 | 1178 Liters |
| M3091310 | MD 3, 516 TK | 0.000025 | 0.028 | 1088 Liters |
| M4091410 | MD 4, 501 TK | 0.000018 | 0.022 | 1188 Liters |
| Field Blank | Field Blank, 514 TK | | 0.018 | |
| M3090910 | MD 3, 504 TK | 0.000019 | 0.022 | 1111 Liters |
| M2090110 | MD 2, 520 TK | 0.000023 | 0.015 | 652 Liters |
| M4091610 | MD 4, 510 TK | LT 0.0000087 | LT 0.010 | 1154 Liters |
| Field Blank | Field Blank, 502 TK | | 0.018 | |
| M4091410 | The sample result for hexavalent chromium has been blank corrected by the laboratory. | | | |
| M4091610 | The sample result for hexavalent chromium has been blank corrected by the laboratory. | | | |
| | QC spikes for hexavalent chromium on PVC filters run with these samples had recoveries of 101.8% and 100.7%. | | | |
| | Dust was observed on the inside cassette walls of some or all of the samples. Every attempt was made to ensure that all collected material was included in the reported result. | | | |

| <u>Analyte</u> | <u>Media type</u> | <u>MRL</u> | <u>Reference Method</u> | <u>Analysis Date</u> |
|---|-------------------|------------|--|----------------------|
| Chromium (VI) Compounds, as Cr(VI) | PVC Filter | 0.01 µg | Ion Chromatography/ICP-MS - Modified OSHA ID 215 | 9/28/2010 |

Please Note: The method reporting limits (MRLs) listed are for normally processed samples. Samples requiring special processing (i.e. dilutions) may have elevated MRLs.
N.A. = Not Applicable

WORKORDER COMMENTS:

The reported data relate only to the samples as received by the Laboratory. The reported air concentrations have been calculated using information supplied by the customer and have NOT been adjusted to represent a Time Weighted Average (TWA). "LT" indicates less than the method reporting limit (MRL). The contaminant may or may not be present at levels below this concentration. This report shall not be reproduced except in full, without written approval of the laboratory. The samples have not been blank corrected unless otherwise noted. Unless otherwise noted, all samples were received in satisfactory condition.

Approved by:

Tom Surves

Tom Surveski
QA Manager

Josef Chrza

Josef Chrzanowski
Production Group Leader

George E. J

George E. Johnson
Group Leader

Marcel F. E

Marcel F. Baril
Laboratory Director

Laboratory Work Order Number: 2010090885
Report Issued To:

David Tomsey
Emilcott Associates
466 Southern Blvd. 2nd Floor
Chatham, NJ 07928

Date Samples Received: 9/24/2010

Report Date: 10/1/2010

Location Sampled: Honeywell/Hudson County SA5

Sample Submitter: David Tomsey

| Sample ID | Sample Description | Results | | Air Volume or Total Time |
|---|--|--------------|---------|-----------------------------|
| <u>Chromium (VI) Compounds, as Cr(VI)</u> | | | | |
| | | mg/m3 | µg | |
| M3092010 | MD 3, 495 TK | LT 0.000011 | LT0.010 | 935 Liters |
| M3092110 | MD 3, 491 TK | LT 0.0000086 | LT0.010 | 1158 Liters |
| M2092210 | MD 2, 490 TK | LT 0.0000095 | LT0.010 | 1053 Liters |
| M3092310 | MD 3, 489 TK | LT 0.000011 | LT0.010 | 881 Liters |
| Field Blank | Field Blank, 482 TK | | 0.018 | |
| Trip Blank | Trip Blank, 494 TK | | 0.014 | |
| Field Blank | The sample results for hexavalent chromium have been blank corrected by the laboratory. QC spikes run with these samples for hexavalent chromium on PVC filters had recoveries of 100.6% and 101.0% | | | |

| <u>Analyte</u> | <u>Media type</u> | <u>MRL</u> | <u>Reference Method</u> | <u>Analysis Date</u> |
|------------------------------------|-------------------|------------|--|----------------------|
| Chromium (VI) Compounds, as Cr(VI) | PVC Filter | 0.01 µg | Ion Chromatography/ICP-MS - Modified OSHA ID 215 | 9/30/2010 |

Please Note: The method reporting limits (MRLs) listed are for normally processed samples. Samples requiring special processing (i.e. dilutions) may have elevated MRLs.
N.A. = Not Applicable

WORKORDER COMMENTS:

The reported data relate only to the samples as received by the Laboratory. The reported air concentrations have been calculated using information supplied by the customer and have NOT been adjusted to represent a Time Weighted Average (TWA). "LT" indicates less than the method reporting limit (MRL). The contaminant may or may not be present at levels below this concentration. This report shall not be reproduced except in full, without written approval of the laboratory. The samples have not been blank corrected unless otherwise noted. Unless otherwise noted, all samples were received in satisfactory condition.

Approved by:

Tom Surves

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QA Manager

Josef Chrza

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Laboratory Director



90 Lamberton Road, Windsor, CT 06095

Phone #: 1-800-842-0355

Fax#: 860-687-7430

AIHA IHLAP Accredited - Laboratory ID 100126

Laboratory Work Order Number: 2010100102

Report Issued To:

David Tomsey
Emilcott Associates
466 Southern Blvd. 2nd Floor
Chatham, NJ 07928

Date Samples Received: 10/2/2010

Report Date: 10/8/2010

Location Sampled: Honeywell/Hudson County SA5

Sample Submitter: David Tomsey

| Sample ID | Sample Description | Results | | Air Volume or Total Time |
|---|--|--------------|----------|-----------------------------|
| <u>Chromium (VI) Compounds, as Cr(VI)</u> | | | | |
| | | mg/m3 | µg | |
| M2092910 | 485TK MD2 | 0.0000094 | 0.011 | 1126 Liters |
| Field | 539TK Field Blank | | 0.012 | |
| Trip | 548TK Trip Blank | | 0.012 | |
| M4092810 | 483TK MD4 | LT 0.0000092 | LT 0.010 | 1087 Liters |
| Field | The sample results for hexavalent chromium have been blank corrected by the laboratory. QC spikes run with these samples for hexavalent chromium on PVC filters had recoveries of 102.3% and 97.3%. | | | |

| <u>Analyte</u> | <u>Media type</u> | <u>MRL</u> | <u>Reference Method</u> | <u>Analysis Date</u> |
|------------------------------------|-------------------|------------|--|----------------------|
| Chromium (VI) Compounds, as Cr(VI) | PVC Filter | 0.01 µg | Ion Chromatography/ICP-MS - Modified OSHA ID 215 | 10/7/2010 |

Please Note: The method reporting limits (MRLs) listed are for normally processed samples. Samples requiring special processing (i.e. dilutions) may have elevated MRLs.
N.A. = Not Applicable

WORKORDER COMMENTS:

The reported data relate only to the samples as received by the Laboratory. The reported air concentrations have been calculated using information supplied by the customer and have NOT been adjusted to represent a Time Weighted Average (TWA). "LT" indicates less than the method reporting limit (MRL). The contaminant may or may not be present at levels below this concentration. This report shall not be reproduced except in full, without written approval of the laboratory. The samples have not been blank corrected unless otherwise noted. Unless otherwise noted, all samples were received in satisfactory condition.

Approved by:

Tom Surves

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QA Manager

Josef Chrza

Josef Chrzanowski
Production Group Leader

George E. Johnson

George E. Johnson
Group Leader

Marcel F. Baril

Marcel F. Baril
Laboratory Director



90 Lamberton Road, Windsor, CT 06095

Phone #: 1-800-842-0355

Fax#: 860-687-7430

AIHA IHLAP Accredited - Laboratory ID 100126

Laboratory Work Order Number: 2010100316

Report Issued To:

David Tomsey
Emilcott Associates
466 Southern Blvd. 2nd Floor
Chatham, NJ 07928

Date Samples Received: 10/8/2010

Report Date: 10/14/2010

Location Sampled: Honeywell/Hudson County SA5

Sample Submitter: David Tomsey

| Sample ID | Sample Description | Results | | Air Volume or Total Time |
|---|---|--------------|----------|-----------------------------|
| <u>Chromium (VI) Compounds, as Cr(VI)</u> | | | | |
| | | mg/m3 | µg | |
| M3100410 | MD 3, 549 TK | LT 0.000010 | LT 0.010 | 997 Liters |
| M3100510 | MD 3, 533 TK | LT 0.0000098 | LT 0.010 | 1016 Liters |
| M1100610 | MD 1, 541 TK | LT 0.0000090 | LT 0.010 | 1107 Liters |
| M2100710 | MD 2, 506 TK | LT 0.0000089 | LT 0.010 | 1118 Liters |
| FB100710 | Field Blank, 526 TK | | 0.013 | |
| TB100710 | Trip Blank, 550 TK | | 0.012 | |
| FB100710 | The sample results for hexavalent chromium have been blank corrected by the laboratory. QC spikes run with these samples for hexavalent chromium on PVC filters had recoveries of 102.5% and 99.9% | | | |

| <u>Analyte</u> | <u>Media type</u> | <u>MRL</u> | <u>Reference Method</u> | <u>Analysis Date</u> |
|------------------------------------|-------------------|------------|--|----------------------|
| Chromium (VI) Compounds, as Cr(VI) | PVC Filter | 0.01 µg | Ion Chromatography/ICP-MS - Modified OSHA ID 215 | 10/13/2010 |

Please Note: The method reporting limits (MRLs) listed are for normally processed samples. Samples requiring special processing (i.e. dilutions) may have elevated MRLs.
N.A. = Not Applicable

WORKORDER COMMENTS:

The reported data relate only to the samples as received by the Laboratory. The reported air concentrations have been calculated using information supplied by the customer and have NOT been adjusted to represent a Time Weighted Average (TWA). "LT" indicates less than the method reporting limit (MRL). The contaminant may or may not be present at levels below this concentration. This report shall not be reproduced except in full, without written approval of the laboratory. The samples have not been blank corrected unless otherwise noted. Unless otherwise noted, all samples were received in satisfactory condition.

Approved by:

Tom Surves

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QA Manager

Josef Chrza

Josef Chrzanowski
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George E. Johnson

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Group Leader

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Laboratory Director



90 Lamberton Road, Windsor, CT 06095

Phone #: 1-800-842-0355

Fax#: 860-687-7430

AIHA IHLAP Accredited - Laboratory ID 100126

Laboratory Work Order Number: 2010100637

Report Issued To:

David Tomsey
Emilcott Associates
466 Southern Blvd. 2nd Floor
Chatham, NJ 07928

Date Samples Received: 10/18/2010

Report Date: 10/25/2010

Location Sampled: Honeywell/Hudson County SA5

Sample Submitter: David Tomsey

| Sample ID | Sample Description | Results | | Air Volume or Total Time |
|---|---|--------------|-----------|-----------------------------|
| <u>Chromium (VI) Compounds, as Cr(VI)</u> | | | | |
| | | <u>mg/m3</u> | <u>µg</u> | |
| M3101510 | MD 3, 545 TK | LT 0.0000081 | LT 0.010 | 1230 Liters |
| FB101510 | Field Blank, 524 TK | | LT 0.010 | |
| TB101510 | Trip Blank, 547 TK | | LT 0.010 | |
| M3101410 | MD 3, 522 TK | LT 0.0000068 | LT 0.010 | 1472 Liters |
| M3101310 | MD 3, 543 TK | LT 0.000010 | LT 0.010 | 967 Liters |
| M2101210 | MD 2, 528 TK | LT 0.000011 | LT 0.010 | 914 Liters |
| M2101110 | MD 2, 532 TK | LT 0.000010 | LT 0.010 | 958 Liters |
| FB101510 | The sample results for hexavalent chromium have been blank corrected by the laboratory. QC spikes on PVC filters run with these samples for hexavalent chromium had recoveries of 98.9% and 98.2%. | | | |

| <u>Analyte</u> | <u>Media type</u> | <u>MRL</u> | <u>Reference Method</u> | <u>Analysis Date</u> |
|------------------------------------|-------------------|------------|--|----------------------|
| Chromium (VI) Compounds, as Cr(VI) | PVC Filter | 0.01 µg | Ion Chromatography/ICP-MS - Modified OSHA ID 215 | 10/22/2010 |

Please Note: The method reporting limits (MRLs) listed are for normally processed samples. Samples requiring special processing (i.e. dilutions) may have elevated MRLs.
N.A. = Not Applicable

WORKORDER COMMENTS:

The reported data relate only to the samples as received by the Laboratory. The reported air concentrations have been calculated using information supplied by the customer and have NOT been adjusted to represent a Time Weighted Average (TWA). "LT" indicates less than the method reporting limit (MRL). The contaminant may or may not be present at levels below this concentration. This report shall not be reproduced except in full, without written approval of the laboratory. The samples have not been blank corrected unless otherwise noted. Unless otherwise noted, all samples were received in satisfactory condition.

Approved by:

Tom Surves

Tom Surveski
QA Manager

Josef Chrza

Josef Chrzanowski
Production Group Leader

George E. Johnson

George E. Johnson
Group Leader

Marcel F. Baril

Marcel F. Baril
Laboratory Director



90 Lamberton Road, Windsor, CT 06095

Phone #: 1-800-842-0355

Fax#: 860-687-7430

AIHA IHLAP Accredited - Laboratory ID 100126

Laboratory Work Order Number: 2010100875

Report Issued To:

David Tomsey
Emilcott Associates
466 Southern Blvd. 2nd Floor
Chatham, NJ 07928

Date Samples Received: 10/25/2010

Report Date: 10/29/2010

Location Sampled: Honeywell/Hudson County SA5

Sample Submitter: David Tomsey

| Sample ID | Sample Description | Results | | Air Volume or Total Time |
|---|---|--------------|-----------|-----------------------------|
| <u>Chromium (VI) Compounds, as Cr(VI)</u> | | | | |
| | | <u>mg/m3</u> | <u>µg</u> | |
| M2101810 | M2 529TK | LT 0.0000061 | LT 0.010 | 1635 Liters |
| M4101910 | M4 507TK | LT 0.0000062 | LT 0.010 | 1615 Liters |
| M2102010 | M2 544TK | LT 0.0000061 | LT 0.010 | 1656 Liters |
| M1102110 | M1 540TK | LT 0.0000061 | LT 0.010 | 1654 Liters |
| M2102210 | M2 513TK | LT 0.0000063 | LT 0.010 | 1585 Liters |
| FB102210 | Field Blank 509TK | | 0.011 | |
| TB102210 | Trip Blank 521TK | | 0.011 | |
| FB102210 | The sample results for hexavalent chromium have been blank corrected by the laboratory. QC spikes run with these samples for hexavalent chromium on PVC filters had recoveries of 99.0% and 94.8%. | | | |

| Analyte | Media type | MRL | Reference Method | Analysis Date |
|------------------------------------|------------|---------|--|---------------|
| Chromium (VI) Compounds, as Cr(VI) | PVC Filter | 0.01 µg | Ion Chromatography/ICP-MS - Modified OSHA ID 215 | 10/27/2010 |

Please Note: The method reporting limits (MRLs) listed are for normally processed samples. Samples requiring special processing (i.e. dilutions) may have elevated MRLs.
N.A. = Not Applicable

WORKORDER COMMENTS:

The reported data relate only to the samples as received by the Laboratory. The reported air concentrations have been calculated using information supplied by the customer and have NOT been adjusted to represent a Time Weighted Average (TWA). "LT" indicates less than the method reporting limit (MRL). The contaminant may or may not be present at levels below this concentration. This report shall not be reproduced except in full, without written approval of the laboratory. The samples have not been blank corrected unless otherwise noted. Unless otherwise noted, all samples were received in satisfactory condition.

Approved by:

Tom Surves

Tom Surveski
QA Manager

Josef Chrza

Josef Chrzanowski
Production Group Leader

George E. Johnson

George E. Johnson
Group Leader

Marcel F. Baril

Marcel F. Baril
Laboratory Director



90 Lamberton Road, Windsor, CT 06095

Phone #: 1-800-842-0355

Fax#: 860-687-7430

AIHA IHLAP Accredited - Laboratory ID 100126

Laboratory Work Order Number: 2011051158

Report Issued To:

David Tomsey
Emilcott Associates
190 Park Ave
Morristown, NJ 07960

Date Samples Received: 5/31/2011

Report Date: 6/7/2011

Location Sampled: Honeywell/Hudson County SA5

Sample Submitter: David Tomsey

| Sample ID | Sample Description | Results | | Air Volume or Total Time |
|---|---|--------------|-----------|-----------------------------|
| <u>Chromium (VI) Compounds, as Cr(VI)</u> | | | | |
| | | <u>mg/m3</u> | <u>µg</u> | |
| M4052311 | M4 430TM | LT 0.0000061 | LT 0.010 | 1642 Liters |
| M1052411 | M1 431TM | LT 0.0000062 | LT 0.010 | 1622 Liters |
| M2052511 | M2 432TM | LT 0.0000058 | LT 0.010 | 1752 Liters |
| M4052611 | M4 435TM | LT 0.0000053 | LT 0.010 | 1888 Liters |
| M4052711 | M4 437TM | LT 0.0000088 | LT 0.010 | 1145 Liters |
| FB052711 | Field Blank 433TM | | LT 0.010 | |
| TB052711 | Trip Blank 436TM | | LT 0.010 | |
| FB052711 | QC spikes run with these samples for hexavalent chromium on PVC filters had recoveries of 101.1% and 101.1%. The sample results for hexavalent chromium have been blank corrected by the laboratory. | | | |

| <u>Analyte</u> | <u>Media type</u> | <u>MRL</u> | <u>Reference Method</u> | <u>Analysis Date</u> |
|------------------------------------|-------------------|------------|--|----------------------|
| Chromium (VI) Compounds, as Cr(VI) | PVC Filter | 0.01 µg | Ion Chromatography/ICP-MS - Modified OSHA ID 215 | 6/6/2011 |

Please Note: The method reporting limits (MRLs) listed are for normally processed samples. Samples requiring special processing (i.e. dilutions) may have elevated MRLs.
N.A. = Not Applicable

WORKORDER COMMENTS:

The reported data relate only to the samples as received by the Laboratory. The reported air concentrations have been calculated using information supplied by the customer and have NOT been adjusted to represent a Time Weighted Average (TWA). "LT" indicates less than the method reporting limit (MRL). The contaminant may or may not be present at levels below this concentration. This report shall not be reproduced except in full, without written approval of the laboratory. The samples have not been blank corrected unless otherwise noted. Unless otherwise noted, all samples were received in satisfactory condition.

Approved by:

Tom Surveski

Tom Surveski
QA Manager

Josef Chrzanowski

Josef Chrzanowski
Production Group Leader

George E. Johnson

George E. Johnson
Group Leader

Marcel F. Baril

Marcel F. Baril
Laboratory Director



90 Lamberton Road, Windsor, CT 06095

Phone #: 1-800-842-0355

Fax#: 860-687-7430

AIHA IHLAP Accredited - Laboratory ID 100126

Laboratory Work Order Number: 2011060237

Report Issued To:

David Tomsey
Emilcott Associates
190 Park Ave
Morristown, NJ 07960

Date Samples Received: 6/7/2011

Report Date: 6/13/2011

Location Sampled: Honeywell/Hudson County SA5

Sample Submitter: David Tomsey

| Sample ID | Sample Description | Results | | Air Volume or Total Time |
|---|--|--------------|-----------|-----------------------------|
| <u>Chromium (VI) Compounds, as Cr(VI)</u> | | | | |
| | | <u>mg/m3</u> | <u>µg</u> | |
| M4053111 | M4 884TM | LT 0.0000050 | LT 0.010 | 2015 Liters |
| M2060111 | M2 880TM | 0.000020 | 0.035 | 1750 Liters |
| M2060211 | M2 885TM | LT 0.0000057 | LT 0.010 | 1775 Liters |
| M4060311 | M4 878TM | LT 0.0000059 | LT 0.010 | 1689 Liters |
| FB052711 | Field Blank 886TM | | LT 0.010 | |
| TB052711 | Trip Blank 883TM | | LT 0.010 | |
| FB052711 | The sample results for hexavalent chromium have been blank corrected by the laboratory. QC spikes run with these samples for hexavalent chromium on PVC filters had recoveries of 100.9% and 97.9%. | | | |

| <u>Analyte</u> | <u>Media type</u> | <u>MRL</u> | <u>Reference Method</u> | <u>Analysis Date</u> |
|------------------------------------|-------------------|------------|--|----------------------|
| Chromium (VI) Compounds, as Cr(VI) | PVC Filter | 0.01 µg | Ion Chromatography/ICP-MS - Modified OSHA ID 215 | 6/10/2011 |

Please Note: The method reporting limits (MRLs) listed are for normally processed samples. Samples requiring special processing (i.e. dilutions) may have elevated MRLs.
N.A. = Not Applicable

WORKORDER COMMENTS:

The reported data relate only to the samples as received by the Laboratory. The reported air concentrations have been calculated using information supplied by the customer and have NOT been adjusted to represent a Time Weighted Average (TWA). "LT" indicates less than the method reporting limit (MRL). The contaminant may or may not be present at levels below this concentration. This report shall not be reproduced except in full, without written approval of the laboratory. The samples have not been blank corrected unless otherwise noted. Unless otherwise noted, all samples were received in satisfactory condition.

Approved by:

Tom Surveski

Tom Surveski
QA Manager

Josef Chrzanowski

Josef Chrzanowski
Production Group Leader

George E. Johnson

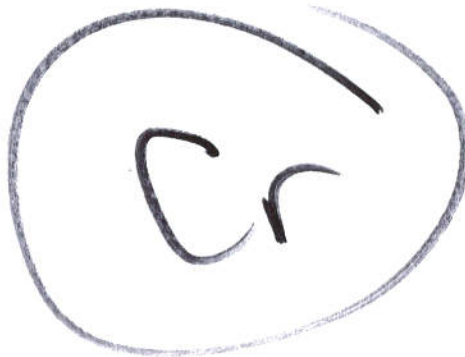
George E. Johnson
Group Leader

Marcel F. Baril

Marcel F. Baril
Laboratory Director

APPENDIX J
PERSONAL AIR SAMPLING DOCUMENTATION

STUDY AREA 5 REMEDIAL ACTION REPORT
FORMER BALDWIN STEEL SITE (NJDEP SITE 090)
FORMER MI HOLDINGS SITE (NJDEP SITE 184)
PORTION OF FORMER MORRIS CANAL SITE (NJDEP SITE 153 NORTHERN SEGMENT)
JERSEY CITY, NEW JERSEY



Mr. Dana Tipton
Sevenson Environmental Services
2749 Lockport Rd.
Niagara Falls, NY 14302

September 17, 2010

DOH ELAP# 11626

Account# 10127

Login# L223156

Dear Mr. Tipton:

Enclosed are the analytical results for the samples received by our laboratory on September 10, 2010. All test results meet the quality control requirements of AIHA and NELAC unless otherwise stated in this report. All samples on the chain of custody were received in good condition unless otherwise noted.

Results in this report are based on the sampling data provided by the client and refer only to the samples as they were received at the laboratory. Unless otherwise requested, all samples will be discarded 14 days from the date of this report.

Please contact John Bailey at (877) 482-5227, if you would like any additional information regarding this report.

Thank you for using Galson Laboratories.

Sincerely,

Galson Laboratories

Mary G. Unangst
Laboratory Director

Enclosure(s)



LABORATORY ANALYSIS REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

Client : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044
Date Sampled : 08-SEP-10 - 09-SEP-10
Date Received : 10-SEP-10
Date Analyzed : 13-SEP-10
Report ID : 662355

Account No.: 10127
Login No. : L223156

Chromium

Cr+3

| Sample ID | Lab ID | Air Vol liter | Total ug | Conc mg/m3 |
|---------------------|-----------|------------------|-------------|---------------|
| 1044-CR3-090810-001 | L223156-1 | 442 | <3.0 | <0.0068 |
| 1044-CR3-090810-003 | L223156-2 | 372 | <3.0 | <0.0081 |
| 1044-CR3-090910-005 | L223156-3 | 910 | <3.0 | <0.0033 |
| 1044-CR3-090910-007 | L223156-4 | 876 | <3.0 | <0.0034 |
| BLANK | L223156-5 | NA | <3.0 | NA |

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 3.0 ug

Analytical Method : mod. NIOSH 7300/OSHA 125G; ICPMS

OSHA PEL (TWA) : Varies, see footnote

Collection Media : Filter

Submitted by: PEF

Approved by : crd/lls

Date : 17-SEP-10 NYS DOH # : 11626

QC by: Tom Burgess

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |



LABORATORY ANALYSIS REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

Client : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044
Date Sampled : 08-SEP-10 - 09-SEP-10
Date Received : 10-SEP-10
Date Analyzed : 16-SEP-10
Report ID : 662959

Account No.: 10127
Login No. : L223156

Hexavalent Chromium

Cr+6

| Sample ID | Lab ID | Air Vol liter | Total ug | Conc ug/m3 |
|---------------------|------------|------------------|-------------|---------------|
| 1044-CR6-090810-002 | L223156-6 | 442 | <0.029 | <0.065 |
| 1044-CR6-090810-004 | L223156-7 | 372 | <0.029 | <0.078 |
| 1044-CR6-090910-006 | L223156-8 | 910 | <0.029 | <0.032 |
| 1044-CR6-090910-008 | L223156-9 | 876 | <0.029 | <0.033 |
| BLANK | L223156-10 | NA | <0.029 | NA |

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 0.030 ug

Analytical Method : mod. OSHA ID-215; IC

OSHA PEL (TWA) : 5 ug/m3

Collection Media : 37mm PVC

Submitted by: EEA

Approved by : nkp

Date : 17-SEP-10 NYS DOH # : 11626

QC by: Tom Burgess

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |



LABORATORY FOOTNOTE REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

Client Name : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044

Date Sampled : 08-SEP-10 - 09-SEP-10 Account No.: 10127
Date Received: 10-SEP-10 Login No. : L223156
Date Analyzed: 13-SEP-10 - 16-SEP-10

Unless otherwise noted below, all quality control results associated with the samples were within established control limits.

Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceeding the final result column may have been rounded in order to fit the report format and therefore, if carried through the calculations, may not yield an identical final result to the one reported.

The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).

L223156 (Report ID: 662355):

Reported results reflect elemental analysis of the requested metals. Certain compounds may not be solubilized during digestion, resulting in data that is biased low.

SOPs: im-icpms(14), im-mwvfilt(13)

OSHA PEL: Chromium II and III = 0.5 mg/m3; Chromium metal (as Cr) = 1 mg/m3

L223156 (Report ID: 662959):

SOPs: IC-SOP-15(2)

Total ug corrected for a desorption efficiency of 104%.

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |



6601 Kirkville Rd
East Syracuse, NY 13057
Tel: (315) 432-5227
Fax: (315) 437-0571
www.galsonline.com

Report To: SEVENSON ENVIRONMENTAL SERVICES
2749 LOCKPORT RD,
NIAGARA FALLS, NY 14305
ATTN: PAUL HITCHO
Phone No.: (716) 284 0431
Fax No.: (716) 284 1796

Invoice To: SAME
Phone No.:
Fax No.:

Site Name: HONEYWELL SA-5 Project: 1044
Sampled By: DANA TIPTON

☒ Samples submitted using the FreePumpLoan™ Program.
☐ Samples submitted using the FreeSamplingBadges™ Program.

Need Results By: (surcharge)
☒ 5 Business Days 0%
☐ 4 Business Days 35%
☐ 3 Business Days 50%
☐ 2 Business Days 75%
☐ Next Day by 6pm 100%
☐ Next Day by Noon 150%
☐ Same day 200%

Client Account No.:
Purchase Order No.: 222624
Credit Card No.:

Card Holder Name: Exp.:

Email / Fax Results To: DANA TIPTON
Email Address: dtipton@sevenson.com Fax No.:

| Sample Identification | Date Sampled | Collection Medium | *Air Volume (Liters) | Passive Monitors (Min) | Analysis Requested | Method Reference | Specific DL Needed |
|------------------------|--------------|-------------------|----------------------|------------------------|---------------------------|------------------|--------------------|
| 1. 1044-CR3-090810-001 | 9/8/10 | MCE FILTER | 442 | | TOTAL CHROMIUM (CR3) | NIOSH 7300 | 2810W |
| 2. 1044-CR6-090810-002 | 9/8/10 | PVC FILTER | 442 | | HEXAVALENT CHROMIUM (CR6) | OSHA ID-215 | 2810W |
| 3. 1044-CR3-090810-003 | 9/8/10 | MCE FILTER | 372 | | TOTAL CHROMIUM (CR3) | NIOSH 7300 | |
| 4. 1044-CR6-090810-004 | 9/8/10 | PVC FILTER | 372 | | HEXAVALENT CHROMIUM (CR6) | OSHA ID-215 | |
| 5. 1044-CR3-090910-005 | 9/9/10 | MCE FILTER | 910 | | TOTAL CHROMIUM (CR3) | NIOSH 7300 | |
| 6. 1044-CR6-090910-006 | 9/9/10 | PVC FILTER | 910 | | HEXAVALENT CHROMIUM (CR6) | OSHA ID-215 | |
| 7. 1044-CR3-090910-007 | 9/9/10 | MCE FILTER | 876 | | TOTAL CHROMIUM (CR3) | NIOSH 7300 | |
| 8. 1044-CR6-090910-008 | 9/9/10 | PVC FILTER | 876 | | HEXAVALENT CHROMIUM (CR6) | OSHA ID-215 | |
| 9. 11 BLANK | | MCE FILTER | --- | | TOTAL CHROMIUM (CR3) | NIOSH 7300 | |
| 10. 55 BLANK | | PVC FILTER | --- | | HEXAVALENT CHROMIUM (CR6) | OSHA ID-215 | |
| 11. | | | | | | | |

☐ Yes ☐ No We normally add a laboratory blank for each analyte. We will charge you for this at our normal rate. If you agree please check "Yes" otherwise check "No".
List description of industry or process / interference's present in sampling area:

Comments:

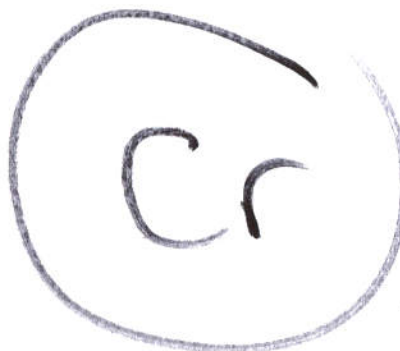
| | | |
|------------------------------|-----------|----------------|
| Chain of Custody | Signature | Date/Time |
| Relinquished by: DANA TIPTON | | 9/9/10 5:30 PM |
| Received by LAB: ALBERTO | | 9/10/10 1031 |

Samples received after 3pm will be considered as next day's business. * sample collection time X LPM = Air Vol. Page 1 of 1

LAB ORIGINAL



GALSON
LABORATORIES



Mr. Dana Tipton
Sevenson Environmental Services
2749 Lockport Rd.
Niagara Falls, NY 14302

September 23, 2010

DOH ELAP# 11626

Account# 10127

Login# L223638

Dear Mr. Tipton:

Enclosed are the analytical results for the samples received by our laboratory on September 16, 2010. All test results meet the quality control requirements of AIHA and NELAC unless otherwise stated in this report. All samples on the chain of custody were received in good condition unless otherwise noted.

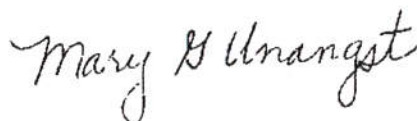
Results in this report are based on the sampling data provided by the client and refer only to the samples as they were received at the laboratory. Unless otherwise requested, all samples will be discarded 14 days from the date of this report.

Please contact John Bailey at (877) 482-5227, if you would like any additional information regarding this report.

Thank you for using Galson Laboratories.

Sincerely,

Galson Laboratories



Mary G. Unangst
Laboratory Director

Enclosure(s)

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

Client : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044
Date Sampled : 13-SEP-10 - 15-SEP-10
Date Received : 16-SEP-10
Date Analyzed : 17-SEP-10
Report ID : 663311

Account No.: 10127
Login No. : L223638

Chromium

Crt3

| Sample ID | Lab ID | Air Vol liter | Total ug | Conc mg/m3 |
|---------------------|-----------|------------------|-------------|---------------|
| 1044-CR3-091310-009 | L223638-1 | 1036 | <3.0 | <0.0029 |
| 1044-CR3-091310-011 | L223638-2 | 1000.4 | <3.0 | <0.0030 |
| 1044-CR3-091410-013 | L223638-3 | 915.3 | <3.0 | <0.0033 |
| 1044-CR3-091410-015 | L223638-4 | 869.2 | <3.0 | <0.0035 |
| 1044-CR3-091510-017 | L223638-5 | 1010 | <3.0 | <0.0030 |
| 1044-CR3-091510-019 | L223638-6 | 880.7 | <3.0 | <0.0034 |
| BLANK | L223638-7 | NA | <3.0 | NA |

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 3.0 ug

Analytical Method : mod. NIOSH 7300/ mod. OSHA 125G; ICP
OSHA PEL (TWA) : Varies, see footnote
Collection Media : Filter

Submitted by: cju

Approved by : crd

Date : 23-SEP-10 NYS DOH # : 11626
QC by: Tony D'Amico

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |

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(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

Client : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044
Date Sampled : 13-SEP-10 - 15-SEP-10
Date Received : 16-SEP-10
Date Analyzed : 23-SEP-10
Report ID : 663950

Account No.: 10127
Login No. : L223638

Soluble Chromium (VI) as Cr

| Sample ID | Lab ID | Air Vol liter | Total ug | Conc ug/m3 |
|---------------------|------------|------------------|-------------|---------------|
| 1044-CR6-091310-010 | L223638-8 | 1072.7 | <0.30 | <0.28 |
| 1044-CR6-091310-012 | L223638-9 | 963.8 | <0.30 | <0.31 |
| 1044-CR6-091410-014 | L223638-10 | 1020.6 | <0.30 | <0.29 |
| 1044-CR6-091410-016 | L223638-11 | 869.2 | <0.30 | <0.35 |
| 1044-CR6-091510-018 | L223638-12 | 1045.5 | <0.30 | <0.29 |
| 1044-CR6-091510-020 | L223638-13 | 865.1 | <0.30 | <0.35 |
| BLANK | L223638-14 | NA | <0.30 | NA |

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 0.30 ug

Analytical Method : Mod. NIOSH 7600; Colorimetric

OSHA PEL (TWA) : 5 ug/m3

Collection Media : Filter

Submitted by: JS

Approved by : JGC

Date : 23-SEP-10 NYS DOH # : 11626

QC by: Tony D'Amico

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |



LABORATORY FOOTNOTE REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

Client Name : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044
Date Sampled : 13-SEP-10 - 15-SEP-10 Account No.: 10127
Date Received: 16-SEP-10 Login No. : L223638
Date Analyzed: 17-SEP-10 - 23-SEP-10

Unless otherwise noted below, all quality control results associated with the samples were within established control limits.

Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceeding the final result column may have been rounded in order to fit the report format and therefore, if carried through the calculations, may not yield an identical final result to the one reported.

The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).

L223638 (Report ID: 663311):

Reported results reflect elemental analysis of the requested metals. Certain compounds may not be solubilized during digestion, resulting in data that is biased low.

SOPs: MT-SOP-9(8), im-mwvfilt(13)

OSHA PEL: Chromium II and III = 0.5 mg/m3; Chromium metal (as Cr) = 1 mg/m3

L223638 (Report ID: 663950):

SOPs: ic-n7600(9)

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |



6601 Kirkville Rd
East Syracuse, NY 13057
Tel: (315) 432-5227
888-432-LABS (5227)
Fax: (315) 437-0571
www.galsonline.com

☐ Check if change of address

New Client? ☐ Yes ☒ No

Report To: SEVENSON ENVIRONMENTAL

2749 LOCKPORT RD

NIAKARA FALLS, NY 14305

ATTN: PAUL HITTEND

Phone No.: (716) 384-0431

Fax No.: (716) 284-1796

Invoice To: Same

13

Site Name: HONEYWELL SA-5 Project: 1044

Sampled By: DANA TIFTON

☒ Samples submitted using the FreeSamplingBadges™ Program.

☐ Samples submitted using the FreeSamplingBadges™ Program.

Client Account No.:

222630

Purchase Order No.:

222630

Credit Card No.:

Email / Fax Results To: DANA TIFTON

Email Address: dtifton@sevenson

Next Day by Noon

Next Day by Noon

Same day

Sample Identification

Date Sampled

Collection Medium

*Air Volume (Liters)

Passive Monitors (Min)

Analysis Requested

Method Reference

Specific DL Needed



6601 Kirkville Rd
East Syracuse, NY 13057
Tel: (315) 432-5227
888-432-LABS (5227)
Fax: (315) 437-0571
www.galsonlabs.com

☐ Check if change of address
New Client? ☐ yes ☒ no

Report To: Sevenson Environmental Services
2749 LOCKPORT RD
DIAGORA FALLS, NY 14305
ATTN: PAUL HITZHO
Phone No.: (716) 284-0431
Fax No.: (716) 284-1796

Invoice To: Same
Phone No.:
Fax No.:

Site Name: HONEYWELL SA-5 Project: 1044

Sampled By: DANA TIPTON

Need Results By: (surcharge) ☒ Samples submitted using the FreePumpLoan™ Program.

☐ Samples submitted using the FreeSamplingBadges™ Program.

☒ 5 Business Days 0%
☐ 4 Business Days 35%
☐ 3 Business Days 50%
☐ 2 Business Days 75%
☐ Next Day by 6pm 100%
☐ Next Day by Noon 150%
☐ Same day 200%

Client Account No.:
Purchase Order No.: 222630
Credit Card No.:

Card Holder Name:

Exp.:

Email / Fax Results To: DANA TIPTON
Email Address: dtipton@sevenson.com

Fax No.: (301) 433-9696

| Sample Identification | Date Sampled | Collection Medium | *Air Volume (liters) | Passive Monitors (Min) | Analysis Requested | Method Reference | Specific DL Needed |
|------------------------|--------------|-------------------|----------------------|------------------------|--------------------|------------------|--------------------|
| 1. 1844-Cr6-091510-020 | 9/15/10 | PVC FILTER | 865.1 | | SOLUBLE HEX CHROMS | NIOSH 7600 | |
| 2. BBLACK | --- | MGE FILTER | --- | | TOTAL CHROMIUM | NIOSH 7300 | --- |
| 3. BLANK | --- | PVC FILTER | --- | | SOLUBLE HEX CHROME | NIOSH 7600 | |
| 4. | | | | | | | |
| 5. | | | | | | | |
| 6. | | | | | | | |
| 7. | | | | | | | |
| 8. | | | | | | | |
| 9. | | | | | | | |
| 10. | | | | | | | |
| 11. | | | | | | | |

☒ Yes ☐ No We normally add a laboratory blank for each analyte. We will charge you for this at our normal rate. If you agree please check "Yes" otherwise check "No".

List description of industry or process / interference's present in sampling area:

Comments:

Chain of Custody

Print Name

Signature

Date/Time

Relinquished by:

DANA TIPTON

[Signature]

9/15/2010 1700 HRS

Received by LAB:

BLANK CHROMS

[Signature]

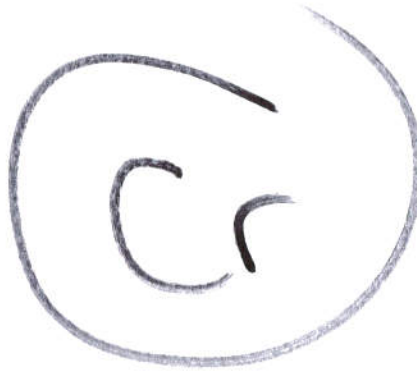
9/16/10 0938

Samples received after 3pm will be considered as next day's business.

* sample collection time X LPM = Air Vol.

Page 2 of 2

LAB ORIGINAL



Mr. Dana Tipton
Sevenson Environmental Services
2749 Lockport Rd.
Niagara Falls, NY 14302

September 30, 2010

DOH ELAP# 11626

Account# 10127

Login# L224314

Dear Mr. Tipton:

Enclosed are the analytical results for the samples received by our laboratory on September 23, 2010. All test results meet the quality control requirements of AIHA and NELAC unless otherwise stated in this report. All samples on the chain of custody were received in good condition unless otherwise noted.

Results in this report are based on the sampling data provided by the client and refer only to the samples as they were received at the laboratory. Unless otherwise requested, all samples will be discarded 14 days from the date of this report.

Please contact John Bailey at (877) 482-5227, if you would like any additional information regarding this report.

Thank you for using Galson Laboratories.

Sincerely,

Galson Laboratories

Mary G. Unangst
Laboratory Director

Enclosure(s)



LABORATORY ANALYSIS REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

Client : Severson Environmental Services
Site : NS

Date Sampled : 21-SEP-10
Date Received : 23-SEP-10
Date Analyzed : 27-SEP-10
Report ID : 664552

Account No.: 10127
Login No. : L224314

Chromium

| <u>Sample ID</u> | <u>Lab ID</u> | <u>Air Vol</u> <u>liter</u> | <u>Total</u> <u>ug</u> | <u>Conc</u> <u>mg/m3</u> |
|---------------------|---------------|--------------------------------|---------------------------|-----------------------------|
| 1044-CR3-092110-021 | L224314-1 | 912 | <3.0 | <0.0033 |
| 1044-CR3-092110-023 | L224314-2 | 873.3 | <3.0 | <0.0034 |
| BLANK | L224314-3 | NA | <3.0 | NA |

Cr13

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 3.0 ug

Analytical Method : mod. NIOSH 7300/ mod. OSHA 125G; ICP

OSHA PEL (TWA) : Varies, see footnote

Collection Media : Filter

Submitted by: cju

Approved by : LLS

Date : 29-SEP-10 NYS DOH # : 11626

QC by: Tony D'Amico

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |



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FAX: (315) 437-0571
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Client : Severson Environmental Services
Site : NS

Date Sampled : 21-SEP-10
Date Received : 23-SEP-10
Date Analyzed : 30-SEP-10
Report ID : 664972

Account No.: 10127
Login No. : L224314

Soluble Chromium (VI) as Cr

| <u>Sample ID</u> | <u>Lab ID</u> | <u>Air Vol</u> <u>liter</u> | <u>Total</u> <u>ug</u> | <u>Conc</u> <u>ug/m3</u> |
|---------------------|---------------|--------------------------------|---------------------------|-----------------------------|
| 1044-CR6-092110-022 | L224314-4 | 934.8 | <0.30 | <0.32 |
| 1044-CR6-092110-024 | L224314-5 | 873.3 | <0.30 | <0.34 |
| BLANK | L224314-6 | NA | <0.30 | NA |

Cr + 6

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 0.30 ug

Analytical Method : Mod. NIOSH 7600; Colorimetric

OSHA PEL (TWA) : 5 ug/m3

Collection Media : Filter

Submitted by: JGC/MLH

Approved by : DMM

Date : 30-SEP-10 NYS DOH # : 11626

QC by: Tony D'Amico

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |



LABORATORY FOOTNOTE REPORT

Client Name : Severson Environmental Services
Site :
6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com
Date Sampled : 21-SEP-10
Date Received: 23-SEP-10
Date Analyzed: 27-SEP-10 - 30-SEP-10
Account No.: 10127
Login No. : L224314

Unless otherwise noted below, all quality control results associated with the samples were within established control limits.

Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceding the final result column may have been rounded in order to fit the report format and therefore, if carried through the calculations, may not yield an identical final result to the one reported.

The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).

L224314 (Report ID: 664552):

Reported results reflect elemental analysis of the requested metals. Certain compounds may not be solubilized during digestion, resulting in data that is biased low.

SOPs: MT-SOP-9(8), im-mwvfilt(13)

OSHA PEL: Chromium II and III = 0.5 mg/m3; Chromium metal (as Cr) = 1 mg/m3

L224314 (Report ID: 664972):

SOPs: ic-n7600(9)

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |



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East Syracuse, NY 13057
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888-432-LABS (5227)
Fax: (315) 437-0571
www.galsonlabs.com

☐ Check if change
of address

New Client? ☐ yes
☒ no

Report To: SEVENSON ENVIRONMENTAL SERVICES
2749 LOCKPORT RD
NIAGARA FALLS, NY 14305
ATTN: PAUL HITEKO
Phone No.: (716) 284-0431
Fax No.: (716) 284-1796

Invoice To: SAME

Phone No.:
Fax No.:

Sampled By:

Project:

☐ Samples submitted using the FreePumpLoan™ Program.

☒ Samples submitted using the FreePumpLoan™ Program.

Client Account No.:

Purchase Order No.: 222635

Credit Card No.:

Card Holder Name:

Exp.:

Email / Fax Results To: DANA TIPTON

Email Address: dtipton@sevenson.com

Fax No.:

| Sample Identification | Date Sampled | Collection Medium | *Air Volume (Liters) | Passive Monitors (Min) | Analysis Requested | Method Reference | Specific DL Needed |
|------------------------|--------------|-------------------|----------------------|------------------------|--------------------|------------------|--------------------|
| 1. 1044-CR3-092110-021 | 9/21/10 | MCE FILTER | 912.0 | | TOTAL CHROMIUM | NIOSH 7300 | VW MCE |
| 2. 1044-CR6-092110-022 | 9/21/10 | PVC FILTER | 934.8 | | SOLUBLE HEX CHROME | NIOSH 7600 | IN VIA |
| 3. 1044-CR3-092110-023 | 9/21/10 | MCE FILTER | 873.3 | | TOTAL CHROMIUM | NIOSH 7300 | AMEL |
| 4. 1044-CR6-092110-024 | 9/21/10 | PVC FILTER | 873.3 | | SOLUBLE HEX CHROME | NIOSH 7600 | |
| 5. BLANK | — | MCE FILTER | — | | TOTAL CHROMIUM | NIOSH 7300 | |
| 6. BLANK | — | PVC FILTER | — | | SOLUBLE HEX CHROME | NIOSH 7600 | |
| 7. SEP-10 | | | | | | | |
| 8. | | | | | | | |
| 9. | | | | | | | |
| 10. | | | | | | | |
| 11. | | | | | | | |

☒ Yes ☐ No We normally add a laboratory blank for each analyte. We will charge you for this at our normal rate. If you agree please check "Yes" otherwise check "No".

List description of industry or process / interference's present in sampling area:

Comments:

| Chain of Custody | Print Name | Signature | Date/Time |
|-------------------------------------|------------|--------------------|------------------|
| Relinquished by: <u>DANA TIPTON</u> | | <u>[Signature]</u> | 9/23/10 1700 HRS |
| Received by LAB: <u>PAUL HITEKO</u> | | <u>[Signature]</u> | 9/23/10 1055 |

Samples received after 3pm will be considered as next day's business.

* sample collection time X LPM = Air Vol.

Page 1 of 1

LAB ORIGINAL



Cr

3

Mr. Paul Hitcho
Sevenson Environmental Services
2749 Lockport Road
Niagara Falls, NY 14305

October 29, 2010

DOH ELAP# 11626

Account# 10127

Login# L226767

Dear Mr. Hitcho:

Enclosed are the analytical results for the samples received by our laboratory on October 22, 2010. All test results meet the quality control requirements of AIHA and NELAC unless otherwise stated in this report. All samples on the chain of custody were received in good condition unless otherwise noted.

Results in this report are based on the sampling data provided by the client and refer only to the samples as they were received at the laboratory. Unless otherwise requested, all samples will be discarded 14 days from the date of this report.

Please contact Charlene Moser at (888) 432-5227, if you would like any additional information regarding this report.

Thank you for using Galson Laboratories.

Sincerely,

Galson Laboratories

Mary G. Unangst

Mary G. Unangst
Laboratory Director

Enclosure(s)



LABORATORY ANALYSIS REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

Client : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044
Date Sampled : 20-OCT-10
Date Received : 22-OCT-10
Date Analyzed : 26-OCT-10
Report ID : 668719

Account No.: 10127
Login No. : L226767

Chromium

| Sample ID | Lab ID | Air Vol liter | Total ug | Conc mg/m3 |
|---------------------|-----------|------------------|-------------|---------------|
| 1044-CR3-102010-027 | L226767-4 | 923.4 | <3.0 | <0.0032 |
| BLANK | L226767-5 | NA | <3.0 | NA |

Cr+3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 3.0 ug

Analytical Method : mod. NIOSH 7300/OSHA 125G; ICP/ICPMS

OSHA PEL (TWA) : Varies, see footnote

Collection Media : Filter

Submitted by: PEF/DEH

Approved by : LLS

Date : 29-OCT-10 NYS DOH # : 11626

QC by: Tom Burgess

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |



LABORATORY ANALYSIS REPORT

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Client : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044
Date Sampled : 20-OCT-10
Date Received : 22-OCT-10
Date Analyzed : 27-OCT-10
Report ID : 668712

Account No.: 10127
Login No. : L226767

Soluble Chromium (VI) as Cr

| Sample ID | Lab ID | Air Vol liter | Total ug | Conc ug/m3 |
|---------------------|-----------|------------------|-------------|---------------|
| 1044-CR6-102010-026 | L226767-1 | 1031.7 | <0.30 | <0.29 |
| 1044-CR6-102010-028 | L226767-2 | 936.5 | <0.30 | <0.32 |
| BLANK | L226767-3 | NA | <0.30 | NA |

Cr+6

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 0.30 ug

Analytical Method : Mod. NIOSH 7600; Colorimetric

OSHA PEL (TWA) : 5 ug/m3

Collection Media : Filter

Submitted by: JS

Approved by : JGC

Date : 29-OCT-10 NYS DOH # : 11626

QC by: Tom Burgess

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |



LABORATORY FOOTNOTE REPORT

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Client Name : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044

Date Sampled : 20-OCT-10
Date Received: 22-OCT-10
Date Analyzed: 26-OCT-10 - 27-OCT-10

Account No.: 10127
Login No. : L226767

Unless otherwise noted below, all quality control results associated with the samples were within established control limits.

Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceding the final result column may have been rounded in order to fit the report format and therefore, if carried through the calculations, may not yield an identical final result to the one reported.

The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).

L226767 (Report ID: 668719):

Reported results reflect elemental analysis of the requested metals. Certain compounds may not be solubilized during digestion, resulting in data that is biased low.

SOPs: im-icpms(14), im-mwvfilt(13)

OSHA PEL: Chromium II and III = 0.5 mg/m³; Chromium metal (as Cr) = 1 mg/m³

L226767 (Report ID: 668712):

SOPs: ic-n7600(9)

| | | | |
|--------------------|------------------|------------------------------|-------------------|
| < -Less Than | mg -Milligrams | m ³ -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |



2

Cr

Mr. Paul Hitcho
Sevenson Environmental Services
2749 Lockport Road
Niagara Falls, NY 14305

November 04, 2010

DOH ELAP# 11626

Account# 10127

Login# L227190

Dear Mr. Hitcho:

Enclosed are the analytical results for the samples received by our laboratory on October 28, 2010. All test results meet the quality control requirements of AIHA and NELAC unless otherwise stated in this report. All samples on the chain of custody were received in good condition unless otherwise noted.

Results in this report are based on the sampling data provided by the client and refer only to the samples as they were received at the laboratory. Unless otherwise requested, all samples will be discarded 14 days from the date of this report.

Please contact Charlene Moser at (888) 432-5227, if you would like any additional information regarding this report.

Thank you for using Galson Laboratories.

Sincerely,

Galson Laboratories

Mary G. Unangst

Mary G. Unangst
Laboratory Director

Enclosure(s)



LABORATORY ANALYSIS REPORT

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East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

Client : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044
Date Sampled : 26-OCT-10
Date Received : 28-OCT-10
Date Analyzed : 29-OCT-10
Report ID : 669365

Account No.: 10127
Login No. : L227190

Chromium

| <u>Sample ID</u> | <u>Lab ID</u> | <u>Air Vol</u> <u>liter</u> | <u>Total</u> <u>ug</u> | <u>Conc</u> <u>mg/m3</u> |
|---------------------|---------------|--------------------------------|---------------------------|-----------------------------|
| 1044-CR3-102610-029 | L227190-1 | 1070 | <3.0 | <0.0028 |
| BLANK | L227190-2 | NA | <3.0 | NA |

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 3.0 ug

Analytical Method : mod. NIOSH 7300/ mod. OSHA 125G; ICP

OSHA PEL (TWA) : Varies, see footnote

Collection Media : Filter

Submitted by: CJU

Approved by : CRD

Date : 02-NOV-10 NYS DOH # : 11626

QC by: Tony D'Amico

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |



LABORATORY ANALYSIS REPORT

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Client : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044
Date Sampled : 26-OCT-10
Date Received : 28-OCT-10
Date Analyzed : 03-NOV-10
Report ID : 669779

Account No.: 10127
Login No. : L227190

Soluble Chromium (VI) as Cr

| <u>Sample ID</u> | <u>Lab ID</u> | <u>Air Vol</u> <u>liter</u> | <u>Total</u> <u>ug</u> | <u>Conc</u> <u>ug/m3</u> |
|---------------------|---------------|--------------------------------|---------------------------|-----------------------------|
| 1044-CR6-102610-030 | L227190-3 | 1072.6 | <0.30 | <0.28 |
| BLANK | L227190-4 | NA | <0.30 | NA |

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 0.30 ug

Analytical Method : Mod. NIOSH 7600; Colorimetric

OSHA PEL (TWA) : 5 ug/m3

Collection Media : Filter

Submitted by: MLH/LRS

Approved by : JGC

Date : 04-NOV-10 NYS DOH # : 11626

QC by: Tony D'Amico

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |



LABORATORY FOOTNOTE REPORT

6601 Kirkville Road
East Syracuse, NY 13057
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FAX: (315) 437-0571
www.galsonlabs.com

Client Name : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044
Date Sampled : 26-OCT-10
Date Received: 28-OCT-10
Date Analyzed: 29-OCT-10 - 03-NOV-10
Account No.: 10127
Login No. : L227190

Unless otherwise noted below, all quality control results associated with the samples were within established control limits.

Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceeding the final result column may have been rounded in order to fit the report format and therefore, if carried through the calculations, may not yield an identical final result to the one reported.

The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).

L227190 (Report ID: 669365):
Reported results reflect elemental analysis of the requested metals. Certain compounds may not be solubilized during digestion, resulting in data that is biased low.
SOPs: MT-SOP-9(9), im-mwvfilt(13)
OSHA PEL: Chromium II and III = 0.5 mg/m³; Chromium metal (as Cr) = 1 mg/m³

L227190 (Report ID: 669779):
SOPs: ic-n7600(9)

| | | | |
|--------------------|------------------|------------------------------|-------------------|
| < -Less Than | mg -Milligrams | m ³ -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |



Mr. Paul Hitcho
Sevenson Environmental Services
2749 Lockport Road
Niagara Falls, NY 14305

November 29, 2010

DOH ELAP# 11626

Account# 10127

Login# L228985

Dear Mr. Hitcho:

Enclosed are the analytical results for the samples received by our laboratory on November 19, 2010. All test results meet the quality control requirements of AIHA and NELAC unless otherwise stated in this report. All samples on the chain of custody were received in good condition unless otherwise noted.

Results in this report are based on the sampling data provided by the client and refer only to the samples as they were received at the laboratory. Unless otherwise requested, all samples will be discarded 14 days from the date of this report.

Please contact Charlene Moser at (888) 432-5227, if you would like any additional information regarding this report.

Thank you for using Galson Laboratories.

Sincerely,

Galson Laboratories

Mary G. Unangst

Mary G. Unangst
Laboratory Director

Enclosure(s)

Hg + Cr



LABORATORY ANALYSIS REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

Client : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044
Date Sampled : 17-NOV-10
Date Received : 19-NOV-10
Date Analyzed : 23-NOV-10
Report ID : 672932

Account No.: 10127
Login No. : L228985

Chromium

| Sample ID | Lab ID | Air Vol liter | Total ug | Conc mg/m3 |
|---------------------|-----------|------------------|-------------|---------------|
| 1044-CR3-111710-033 | L228985-4 | 757.06 | <3.0 | <0.0040 |
| BLANK | L228985-5 | NA | <3.0 | NA |

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 3.0 ug

Analytical Method : mod. NIOSH 7300/OSHA 125G; ICPMS
OSHA PEL (TWA) : Varies, see footnote
Collection Media : Filter

Submitted by: PEF
Approved by : deh

Date : 24-NOV-10 NYS DOH # : 11626
QC by: Tony D'Amico

< -Less Than
> -Greater Than
NA -Not Applicable

mg -Milligrams
ug -Micrograms
ND -Not Detected

m3 -Cubic Meters
l -Liters
ppm -Parts per Million

kg -Kilograms
NS -Not Specified



LABORATORY ANALYSIS REPORT

6601 Kirkville Road
East Syracuse, NY 13057
(315) 432-5227
FAX: (315) 437-0571
www.galsonlabs.com

Client : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044
Date Sampled : 16-NOV-10
Date Received : 19-NOV-10
Date Analyzed : 24-NOV-10
Report ID : 673090

Account No.: 10127
Login No. : L228985

Mercury

| <u>Sample ID</u> | <u>Lab ID</u> | <u>Time minutes</u> | <u>Total ug</u> | <u>Conc mg/m3</u> |
|--------------------|---------------|-------------------------|---------------------|-----------------------|
| 1044-HG-111610-001 | L228985-1 | 355 | <0.10 | <0.014 |
| 1044-HG-111610-002 | L228985-2 | 425 | <0.10 | <0.012 |
| BLANK | L228985-3 | NA | <0.10 | NA |

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 0.10 ug
Analytical Method : mod.OSHA 140;CVAA;BADGE
OSHA PEL (TWA) : 0.1 mg/m3 CEIL
Collection Media : 520-02A

Submitted by: PWL
Approved by : crd
Date : 29-NOV-10 NYS DOH # : 11626
QC by: Tony D'Amico

< -Less Than
> -Greater Than
NA -Not Applicable

mg -Milligrams
ug -Micrograms
ND -Not Detected

m3 -Cubic Meters
l -Liters
ppm -Parts per Million

kg -Kilograms
NS -Not Specified



LABORATORY ANALYSIS REPORT

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Client : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044
Date Sampled : 17-NOV-10
Date Received : 19-NOV-10
Date Analyzed : 24-NOV-10
Report ID : 673120

Account No.: 10127
Login No. : L228985

Soluble Chromium (VI) as Cr

| <u>Sample ID</u> | <u>Lab ID</u> | <u>Air Vol liter</u> | <u>Total ug</u> | <u>Conc ug/m3</u> |
|---------------------|---------------|--------------------------|---------------------|-----------------------|
| 1044-CR6-111710-034 | L228985-6 | 848.64 | <0.30 | <0.35 |
| BLANK | L228985-7 | NA | <0.30 | NA |

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 0.30 ug
Analytical Method : Mod. NIOSH 7600; Colorimetric
OSHA PEL (TWA) : 5 ug/m3
Collection Media : Filter

Submitted by: MLH/JS
Approved by : JGC
Date : 29-NOV-10 NYS DOH # : 11626
QC by: Tony D'Amico

< -Less Than
> -Greater Than
NA -Not Applicable

mg -Milligrams
ug -Micrograms
ND -Not Detected

m3 -Cubic Meters
l -Liters
ppm -Parts per Million

kg -Kilograms
NS -Not Specified



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Client Name : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044

Date Sampled : 16-NOV-10 - 17-NOV-10 Account No.: 10127
Date Received: 19-NOV-10 Login No. : L228985
Date Analyzed: 23-NOV-10 - 24-NOV-10

Unless otherwise noted below, all quality control results associated with the samples were within established control limits.

Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceding the final result column may have been rounded in order to fit the report format and therefore, if carried through the calculations, may not yield an identical final result to the one reported.

The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).

L228985 (Report ID: 672932):
Reported results reflect elemental analysis of the requested metals. Certain compounds may not be solubilized during digestion, resulting in data that is biased low.
SOPs: im-icpms(14), im-mwvfilt(13)
OSHA PEL: Chromium II and III = 0.5 mg/m3; Chromium metal (as Cr) = 1 mg/m3

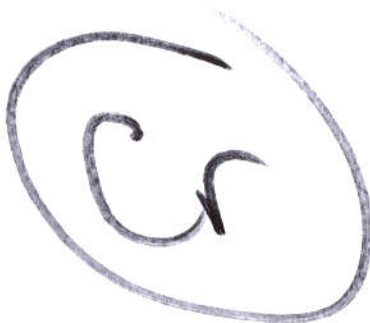
L228985 (Report ID: 673090):
Reported results reflect elemental analysis of the requested metals. Certain compounds may not be solubilized during digestion, resulting in data that is biased low.
SOPs: im-hg(19), im-hgair(11)

L228985 (Report ID: 673120):
SOPs: ic-n7600(9)

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |



2



Mr. Paul Hitcho
Sevenson Environmental Services
2749 Lockport Road
Niagara Falls, NY 14305

December 08, 2010

DOH ELAP# 11626

Account# 10127

Login# L229646

Dear Mr. Hitcho:

Enclosed are the analytical results for the samples received by our laboratory on December 02, 2010. All test results meet the quality control requirements of AIHA and NELAC unless otherwise stated in this report. All samples on the chain of custody were received in good condition unless otherwise noted.

Results in this report are based on the sampling data provided by the client and refer only to the samples as they were received at the laboratory. Unless otherwise requested, all samples will be discarded 14 days from the date of this report.

Please contact Charlene Moser at (888) 432-5227, if you would like any additional information regarding this report.

Thank you for using Galson Laboratories.

Sincerely,

Galson Laboratories

Mary G. Unangst
Laboratory Director

Enclosure(s)



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Client : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044
Date Sampled : 30-NOV-10
Date Received : 02-DEC-10
Date Analyzed : 06-DEC-10
Report ID : 674211

Account No.: 10127
Login No. : L229646

Chromium

| <u>Sample ID</u> | <u>Lab ID</u> | <u>Air Vol</u> <u>liter</u> | <u>Total</u> <u>ug</u> | <u>Conc</u> <u>mg/m3</u> |
|---------------------|---------------|--------------------------------|---------------------------|-----------------------------|
| 1044-CR3-113010-035 | L229646-1 | 1020.5 | <3.0 | <0.0029 |
| BLANK | L229646-2 | NA | <3.0 | NA |

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 3.0 ug

Analytical Method : mod. NIOSH 7300/OSHA 125G; ICPMS

OSHA PEL (TWA) : Varies, see footnote

Collection Media : Filter

Submitted by: PEF

Approved by : crd

Date : 08-DEC-10 NYS DOH # : 11626

QC by: Tony D'Amico

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |



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Client : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044
Date Sampled : 30-NOV-10
Date Received : 02-DEC-10
Date Analyzed : 03-DEC-10
Report ID : 674089

Account No.: 10127
Login No. : L229646

Soluble Chromium (VI) as Cr

| <u>Sample ID</u> | <u>Lab ID</u> | <u>Air Vol</u> <u>liter</u> | <u>Total</u> <u>ug</u> | <u>Conc</u> <u>ug/m3</u> |
|---------------------|---------------|--------------------------------|---------------------------|-----------------------------|
| 1044-CR6-113010-036 | L229646-3 | 1023 | <0.30 | <0.29 |
| BLANK | L229646-4 | NA | <0.30 | NA |

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 0.30 ug

Analytical Method : Mod. NIOSH 7600; Colorimetric

OSHA PEL (TWA) : 5 ug/m3

Collection Media : Filter

Submitted by: JGC/JS/LRS

Approved by : JGC

Date : 06-DEC-10 NYS DOH # : 11626

QC by: Tony D'Amico

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |

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Client Name : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044

Date Sampled : 30-NOV-10 Account No.: 10127
Date Received: 02-DEC-10 Login No. : L229646
Date Analyzed: 03-DEC-10 - 06-DEC-10

Unless otherwise noted below, all quality control results associated with the samples were within established control limits.

Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceeding the final result column may have been rounded in order to fit the report format and therefore, if carried through the calculations, may not yield an identical final result to the one reported.

The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).

L229646 (Report ID: 674211):
Reported results reflect elemental analysis of the requested metals. Certain compounds may not be solubilized during digestion, resulting in data that is biased low.
SOPs: im-icpms(14), im-mwvfilt(13)
OSHA PEL: Chromium II and III = 0.5 mg/m3; Chromium metal (as Cr) = 1 mg/m3

L229646 (Report ID: 674089):
SOPs: ic-n7600(9)

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |

HS

Mr. Paul Hitcho
Sevenson Environmental Services
2749 Lockport Road
Niagara Falls, NY 14305

December 16, 2010

DOH ELAP# 11626

Account# 10127

Login# L230254

Dear Mr. Hitcho:

Enclosed are the analytical results for the samples received by our laboratory on December 10, 2010. All test results meet the quality control requirements of AIHA and NELAC unless otherwise stated in this report. All samples on the chain of custody were received in good condition unless otherwise noted.

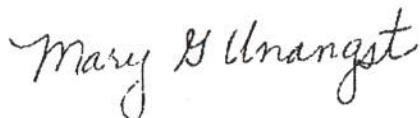
Results in this report are based on the sampling data provided by the client and refer only to the samples as they were received at the laboratory. Unless otherwise requested, all samples will be discarded 14 days from the date of this report.

Please contact Charlene Moser at (888) 432-5227, if you would like any additional information regarding this report.

Thank you for using Galson Laboratories.

Sincerely,

Galson Laboratories



Mary G. Unangst
Laboratory Director

Enclosure(s)



LABORATORY ANALYSIS REPORT

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Client : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044
Date Sampled : 06-DEC-10
Date Received : 10-DEC-10
Date Analyzed : 14-DEC-10
Report ID : 675286

Account No.: 10127
Login No. : L230254

Mercury

| <u>Sample ID</u> | <u>Lab ID</u> | <u>Time minutes</u> | <u>Total ug</u> | <u>Conc mg/m3</u> |
|--------------------|---------------|-------------------------|---------------------|-----------------------|
| 1044-HG-120610-003 | L230254-1 | 535 | <0.10 | <0.0093 |
| 1044-HG-120610-004 | L230254-2 | 530 | <0.10 | <0.0094 |
| BLANK | L230254-3 | NA | <0.10 | NA |

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 0.10 ug

Analytical Method : mod.OSHA 140;CVAA;BADGE

OSHA PEL (TWA) : 0.1 mg/m3 CEIL

Collection Media : 520-02A

Submitted by: PWL

Approved by : crd

Date : 16-DEC-10 NYS DOH # : 11626

QC by: Tony D'Amico

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |

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Client Name : Severson Environmental Services
 Site : Honeywell SA-5
 Project No. : 1044

Date Sampled : 06-DEC-10
 Date Received: 10-DEC-10
 Date Analyzed: 14-DEC-10

Account No.: 10127
 Login No. : L230254

Unless otherwise noted below, all quality control results associated with the samples were within established control limits.

Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceeding the final result column may have been rounded in order to fit the report format and therefore, if carried through the calculations, may not yield an identical final result to the one reported.

The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).

L230254 (Report ID: 675286):

Reported results reflect elemental analysis of the requested metals. Certain compounds may not be solubilized during digestion, resulting in data that is biased low.
 SOPs: im-hg(19), im-hgair(11)

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |



Mr. Paul Hitcho
Sevenson Environmental Services
2749 Lockport Road
Niagara Falls, NY 14305

January 19, 2011

DOH ELAP# 11626

Account# 10127

Login# L231817

Dear Mr. Hitcho:

Enclosed are the analytical results for the samples received by our laboratory on January 12, 2011. All test results meet the quality control requirements of AIHA and NELAC unless otherwise stated in this report. All samples on the chain of custody were received in good condition unless otherwise noted.

Results in this report are based on the sampling data provided by the client and refer only to the samples as they were received at the laboratory. Unless otherwise requested, all samples will be discarded 14 days from the date of this report.

Please contact Charlene Moser at (888) 432-5227, if you would like any additional information regarding this report.

Thank you for using Galson Laboratories.

Sincerely,

Galson Laboratories

Mary G. Unangst
Laboratory Director

Enclosure(s)



LABORATORY ANALYSIS REPORT

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FAX: (315) 437-0571
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Client : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044
Date Sampled : 11-JAN-11
Date Received : 12-JAN-11
Date Analyzed : 13-JAN-11
Report ID : 677799

Account No.: 10127
Login No. : L231817

Chromium

| Sample ID | Lab ID | Air Vol liter | Total ug | Conc mg/m3 |
|---------------------|-----------|------------------|-------------|---------------|
| 1044-CR3-011111-037 | L231817-1 | 960 | <3.0 | <0.0031 |
| BLANK | L231817-2 | NA | <3.0 | NA |

Cr+3

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 3.0 ug

Analytical Method : mod. NIOSH 7300/OSHA 125G; ICPMS

OSHA PEL (TWA) : Varies, see footnote

Collection Media : Filter

Submitted by: PEF

Approved by : crd

Date : 19-JAN-11 NYS DOH # : 11626

QC by: Joe Mancuso

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |



LABORATORY ANALYSIS REPORT

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Client : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044
Date Sampled : 11-JAN-11
Date Received : 12-JAN-11
Date Analyzed : 18-JAN-11
Report ID : 678229

Account No.: 10127
Login No. : L231817

Soluble Chromium (VI) as Cr

| <u>Sample ID</u> | <u>Lab ID</u> | <u>Air Vol</u> <u>liter</u> | <u>Total</u> <u>ug</u> | <u>Conc</u> <u>ug/m3</u> |
|---------------------|---------------|--------------------------------|---------------------------|-----------------------------|
| 1044-CR6-011111-038 | L231817-3 | 969.6 | <0.30 | <0.31 |
| BLANK | L231817-4 | NA | <0.30 | NA |

Cr⁺⁶

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 0.30 ug

Analytical Method : Mod. NIOSH 7600; Colorimetric

OSHA PEL (TWA) : 5 ug/m3

Collection Media : Filter

Submitted by: JS

Approved by : JGC

Date : 19-JAN-11 NYS DOH # : 11626

QC by: Joe Mancuso

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |



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Client Name : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044

Date Sampled : 11-JAN-11
Date Received: 12-JAN-11
Date Analyzed: 13-JAN-11 - 18-JAN-11

Account No.: 10127
Login No. : L231817

Unless otherwise noted below, all quality control results associated with the samples were within established control limits.

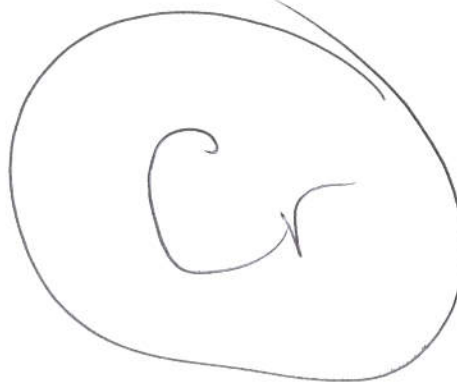
Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceding the final result column may have been rounded in order to fit the report format and therefore, if carried through the calculations, may not yield an identical final result to the one reported.

The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).

L231817 (Report ID: 677799):
Reported results reflect elemental analysis of the requested metals. Certain compounds may not be solubilized during digestion, resulting in data that is biased low.
SOPs: im-icpms(14), im-mwvfilt(13)
OSHA PEL: Chromium II and III = 0.5 mg/m3; Chromium metal (as Cr) = 1 mg/m3

L231817 (Report ID: 678229):
SOPs: ic-n7600(9)

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |



Mr. Paul Hitcho
Sevenson Environmental Services
2749 Lockport Road
Niagara Falls, NY 14305

January 27, 2011

DOH ELAP# 11626

Account# 10127

Login# L232378

Dear Mr. Hitcho:

Enclosed are the analytical results for the samples received by our laboratory on January 21, 2011. All test results meet the quality control requirements of AIHA and NELAC unless otherwise stated in this report. All samples on the chain of custody were received in good condition unless otherwise noted.

Results in this report are based on the sampling data provided by the client and refer only to the samples as they were received at the laboratory. Unless otherwise requested, all samples will be discarded 14 days from the date of this report.

Please contact Charlene Moser at (888) 432-5227, if you would like any additional information regarding this report.

Thank you for using Galson Laboratories.

Sincerely,

Galson Laboratories

A handwritten signature in black ink that reads "Mary G. Unangst".

Mary G. Unangst
Laboratory Director

Enclosure(s)



LABORATORY ANALYSIS REPORT

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Client : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044
Date Sampled : 20-JAN-11
Date Received : 21-JAN-11
Date Analyzed : 26-JAN-11
Report ID : 678890

Account No.: 10127
Login No. : L232378

Chromium

| <u>Sample ID</u> | <u>Lab ID</u> | <u>Air Vol</u> <u>liter</u> | <u>Total</u> <u>ug</u> | <u>Conc</u> <u>mg/m3</u> |
|---------------------|---------------|--------------------------------|---------------------------|-----------------------------|
| 1044-CR3-012011-039 | L232378-1 | 996.76 | <3.0 | <0.0030 |
| BLANK | L232378-2 | NA | <3.0 | NA |

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 3.0 ug

Analytical Method : mod. NIOSH 7300/OSHA 125G; ICPMS

OSHA PEL (TWA) : Varies, see footnote

Collection Media : Filter

Submitted by: PEF

Approved by : crd

Date : 27-JAN-11 NYS DOH # : 11626

QC by: Tom Burgess

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |



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Client : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044
Date Sampled : 20-JAN-11
Date Received : 21-JAN-11
Date Analyzed : 26-JAN-11
Report ID : 678972

Account No.: 10127
Login No. : L232378

Soluble Chromium (VI) as Cr

| <u>Sample ID</u> | <u>Lab ID</u> | <u>Air Vol</u> <u>liter</u> | <u>Total</u> <u>ug</u> | <u>Conc</u> <u>ug/m3</u> |
|---------------------|---------------|--------------------------------|---------------------------|-----------------------------|
| 1044-CR6-012011-040 | L232378-3 | 925.93 | <0.30 | <0.32 |
| BLANK | L232378-4 | NA | <0.30 | NA |

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 0.30 ug

Analytical Method : Mod. NIOSH 7600; Colorimetric

OSHA PEL (TWA) : 5 ug/m3

Collection Media : Filter

Submitted by: LSM

Approved by : JGC

Date : 27-JAN-11 NYS DOH # : 11626

QC by: Tom Burgess

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |



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Client Name : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044

Date Sampled : 20-JAN-11
Date Received: 21-JAN-11
Date Analyzed: 26-JAN-11

Account No.: 10127
Login No. : L232378

Unless otherwise noted below, all quality control results associated with the samples were within established control limits.

Unrounded results are carried through the calculations that yield the final result and the final result is rounded to the number of significant figures appropriate to the accuracy of the analytical method. Please note that results appearing in the columns preceeding the final result column may have been rounded in order to fit the report format and therefore, if carried through the calculations, may not yield an identical final result to the one reported.

The stated LOQs for each analyte represent the demonstrated LOQ concentrations prior to correction for desorption efficiency (if applicable).

L232378 (Report ID: 678890):

Reported results reflect elemental analysis of the requested metals. Certain compounds may not be solubilized during digestion, resulting in data that is biased low.

SOPs: im-icpms(14), im-mwvfilt(13)

OSHA PEL: Chromium II and III = 0.5 mg/m3; Chromium metal (as Cr) = 1 mg/m3

L232378 (Report ID: 678972):

SOPs: ic-n7600(9)

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |

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Client : Severson Environmental Services
Site : Honeywell SA-5
Project No. : 1044
Date Sampled : 15-MAR-11
Date Received : 18-MAR-11
Date Analyzed : 22-MAR-11
Report ID : 685209

Account No.: 10127
Login No. : L236038

Soluble Chromium (VI) as Cr

| Sample ID | Lab ID | Air Vol liter | Total ug | Conc ug/m3 |
|---------------------|-----------|------------------|-------------|---------------|
| 1044-CR6-031511-042 | L236038-3 | 922.32 | <0.30 | <0.33 |
| BLANK | L236038-4 | NA | <0.30 | NA |

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 0.30 ug
Analytical Method : Mod. NIOSH 7600; Colorimetric
OSHA PEL (TWA) : 5 ug/m3
Collection Media : Filter

Submitted by: MLH
Approved by : JGC
Date : 23-MAR-11 NYS DOH # : 11626
QC by: Tony D'Amico

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |

LABORATORY ANALYSIS REPORT

 6601 Kirkville Road
 East Syracuse, NY 13057
 (315) 432-5227
 FAX: (315) 437-0571
 www.galsonlabs.com

 Client : Severson Environmental Services
 Site : Honeywell SA-5
 Project No. : 1044
 Date Sampled : 15-MAR-11
 Date Received : 18-MAR-11
 Date Analyzed : 23-MAR-11
 Report ID : 685366

 Account No.: 10127
 Login No. : L236038

Chromium

| Sample ID | Lab ID | Air Vol liter | Total ug | Conc mg/m3 |
|---------------------|-----------|------------------|-------------|---------------|
| 1044-CR3-031511-041 | L236038-1 | 918.15 | <3.0 | <0.0033 |
| BLANK | L236038-2 | NA | <3.0 | NA |

COMMENTS: Please see attached lab footnote report for any applicable footnotes.

Level of quantitation: 3.0 ug

Analytical Method : mod. NIOSH 7300/OSHA 125G; ICPMS

OSHA PEL (TWA) : Varies, see footnote

Collection Media : Filter

Submitted by: PEF

Approved by : LLS

Date : 24-MAR-11 NYS DOH # : 11626

QC by: Tony D'Amico

| | | | |
|--------------------|------------------|------------------------|-------------------|
| < -Less Than | mg -Milligrams | m3 -Cubic Meters | kg -Kilograms |
| > -Greater Than | ug -Micrograms | l -Liters | NS -Not Specified |
| NA -Not Applicable | ND -Not Detected | ppm -Parts per Million | |

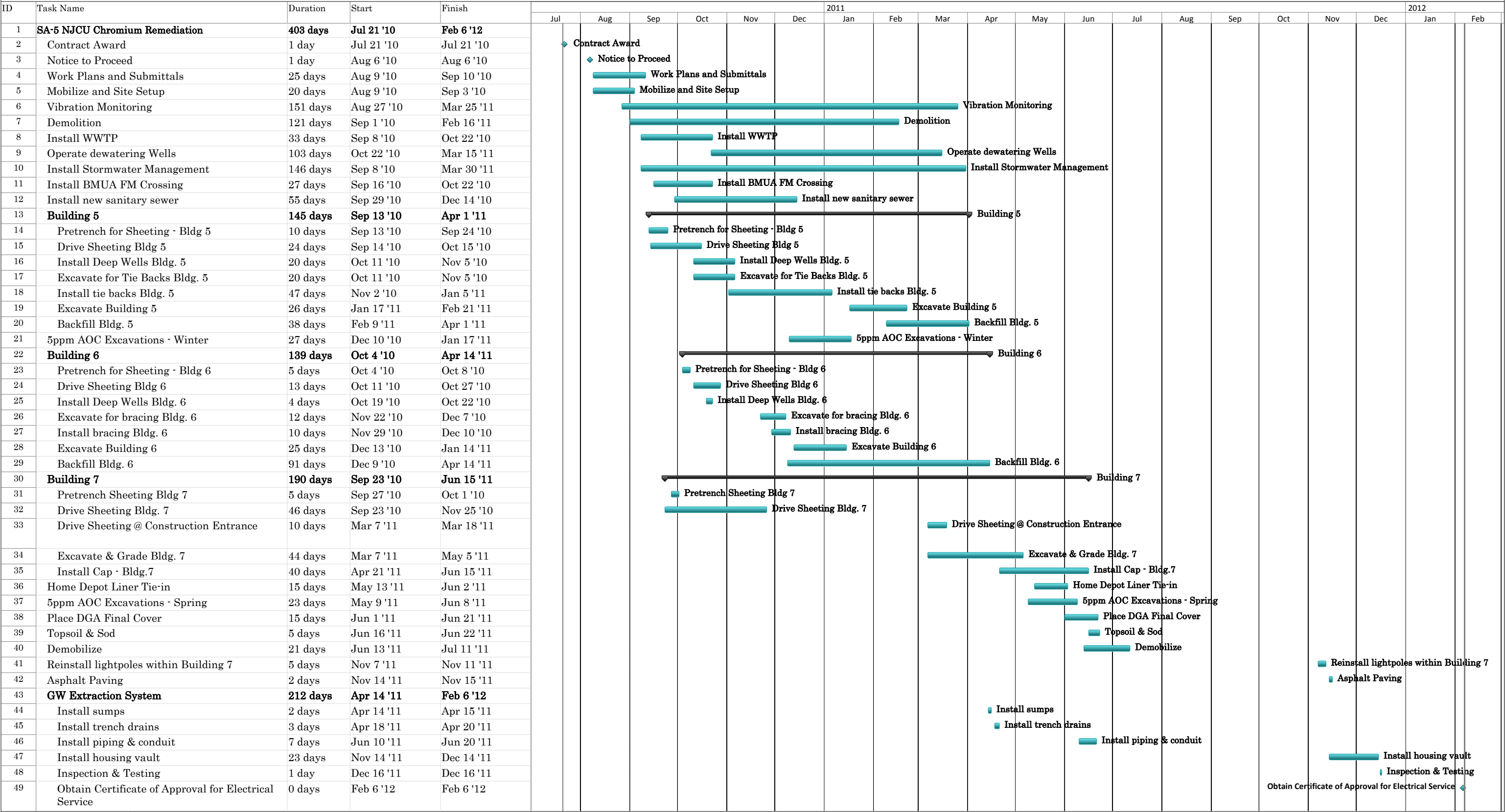
APPENDIX K
FINAL MASTER SCHEDULE

STUDY AREA 5 REMEDIAL ACTION REPORT
FORMER BALDWIN STEEL SITE (NJDEP SITE 090)
FORMER MI HOLDINGS SITE (NJDEP SITE 184)
PORTION OF FORMER MORRIS CANAL SITE (NJDEP SITE 153 NORTHERN SEGMENT)
JERSEY CITY, NEW JERSEY



SA-5 NJCU Chromium Remediation
Sites 090,184, & portions of 153
FINAL REMEDIATION SCHEDULE

March 2012



Project: SA-5 NJCU RAR Final Sche
Date: Mar 21 '12

Task

Milestone

Summary

APPENDIX L

LONG TERM GROUNDWATER EXTRACTION & TREATMENT SYSTEM

STUDY AREA 5 REMEDIAL ACTION REPORT

FORMER BALDWIN STEEL SITE (NJDEP SITE 090)

FORMER MI HOLDINGS SITE (NJDEP SITE 184)

PORTION OF FORMER MORRIS CANAL SITE (NJDEP SITE 153 NORTHERN SEGMENT)

JERSEY CITY, NEW JERSEY

1.0 PROPOSED TRIGGERS FOR OPERATION OF THE SA-5 CONTINGENT GROUNDWATER EXTRACTION AND TREATMENT SYSTEM

1.1 Introduction

This summary outlines the proposed triggers for operation of the groundwater extraction and treatment system. In addition to this document, and in accordance with Paragraphs 97, 98 and 99 of the Consent Decree, Honeywell will develop a Long Term Monitoring Plan to ensure the ongoing effectiveness of the chromium remedy, which is to be prepared by June 30, 2011, before field implementation of the remedy is completed.

The LTMP and the triggers for contingent operation are still undergoing revision and approval by the Plaintiffs. The LTMP, once finalized based on Plaintiffs' input, will be the governing document for the contingent operation of the groundwater extraction system.

The proposed design for the NJCU remedial action includes a capping and barrier wall system for the Commercial Area, and contains a groundwater extraction and treatment component as a contingency measure. The final extraction system infrastructure (including collection piping, power and control wiring, and monitoring wells) will be installed during the field implementation of the remedy. However, as indicated on the Design Drawings, the final treatment system alternative is subject to permitting requirements which are still being evaluated. The treatment system alternatives are:

- Direct discharge to a Publicly Owned Treatment Works (POTW) such as the Passaic Valley Sewerage Commission (PVSC). This approach will require a Treatment Works Approval (TWA) from the NJDEP, which is also approved by both PVSC and the Jersey City Municipal

Utilities Authority (JCMUA), as well as a Sewer Use Permit and designation of an acceptable connection point.

- Pre-Treatment and discharge to the PVSC. The collected groundwater may require pre-treatment such as filtration to remove suspended solids to acceptable levels prior to discharge to the PVSC. If applicable, the TWA will be developed with design information on the treatment system components which will be installed to meet the PVSC permit conditions. The Design Drawings include a proposed footprint area where the treatment system would be located if this alternative is selected.
- Conveyance via Force main under Route 440 for Treatment using the existing SA-7 Regional Groundwater Treatment Plant. This alternative would require approvals from the New Jersey Department of Transportation (NJDOT), coordination with multiple utility companies with infrastructure in or along Route 440 and potential amendments to the existing SA-7 system TWA and Discharge to Surface Water Permit. This alternative would be selected in the event that discharge to PVSC was deemed infeasible.

Groundwater will be collected from two trench drains located on the eastern portion of the site as shown on the Design Drawings. The southern trench drain is located in an area characterized by elevated hexavalent chromium in the shallow groundwater, whereas the hexavalent chromium concentrations in the area of the northern trench drain area are generally observed to be non-detect. Groundwater modeling indicates that the maximum total combined pumping rate will be up to 5 gpm. The collection trenches would be operated depending on the groundwater quality monitoring results, and hydraulic gradient requirements. The trenches can be pumped together or the southern trench could be pumped individually. However, the northern trench drain cannot be pumped without also pumping the southern drain so as to prevent contaminated groundwater from being

drawn into clean areas. The groundwater system will not be operated unless one or more of the trigger conditions described below are met.

1.2 Hydraulic Triggers

Groundwater flow modeling conducted as part of the 100% Design predicts that groundwater levels will not rise due to the implementation of the various remedial actions. For example, installation of the sheet pile barrier along Route 440 is not expected to cause groundwater levels to build up behind the wall for two reasons. First, the placement of the low-permeability cap over a portion of the commercial AOC will reduce the infiltration from precipitation in this area. Second, the model indicates that non-chromium impacted groundwater on the eastern portion of the site will preferentially move downward to underlying flow zones rather than contribute to flow in the shallow zone above the meadow mat.

Hydraulic (groundwater level) monitoring will be conducted to confirm model predictions and to assess the impact of any future changes in land use. Specifically, the objective of the monitoring is to identify if groundwater elevations are approaching critical structures such as building slabs, crawl spaces or the top of the sheet pile barrier walls. Water levels will be monitored on a quarterly frequency in each of the three sentinel wells shown on Figure 1 of the Chromium Remedy 100% Design Report. Reference point elevations will be determined for each well such that groundwater elevations in feet above mean sea level (msl) can be determined. Critical elevations for proposed structures will also be determined from as-built drawings of the remedy and the development, and compiled in a spread sheet for comparison to the groundwater levels. If groundwater levels rise to within 0.5 feet of any of the identified critical structure elevations, the groundwater pumping system will be turned on. Depending on the location of the triggered condition, one or both of the trench drains will be pumped. However, as stated above, in no case will the north trench drain be pumped without also pumping the south drain. This is to prevent contaminated groundwater from being drawn into clean areas.

1.3 Groundwater Quality Triggers

Based on groundwater modeling of the proposed remedial actions, the elevated hexavalent chromium concentrations currently found in the southwest corner of the property are not likely to migrate to adversely affect groundwater quality outside of the Commercial Area. This is because the installation of the sheet pile wall along Route 440 and along the Home Depot property line will form a “dead-end” corner in which groundwater flow will be generally stagnant. Clean water moving toward the area from the east is predicted to be deflected either beneath the meadow mat or to the north and west, around the Building 6 area.

Groundwater quality monitoring will be conducted to confirm that hexavalent chromium does not migrate and to provide an early warning mechanism if the hexavalent chromium concentrations are increasing outside of the Commercial Area of Concern (CAOC). Three sentinel wells will be installed east of the commercial cap area as shown on Figure 1 of the Chromium Remedy 100% Design Report. These wells have been placed in key locations around the CAOC to provide early warning of any off-site migration of impacted groundwater in the shallow zone. Initially, groundwater samples will be collected on a quarterly basis for a two-year period (8 rounds of monitoring) in accordance with NJDEP low-flow sampling methodology. If the monitoring results indicate increasing trends in hexavalent chromium concentrations at any of these sentinel wells, which would provide an early warning that subsequent off site migration is possible, from Sites 090/184, then operation of the contingent groundwater extraction pumping system would be initiated. During pumping operations, water quality monitoring would be continued on an increased frequency, to be determined based on the specific conditions, until increasing trends are reversed or exceedances are eliminated.

Depending on the location of the triggered condition, one or both of the trench drains will be pumped as described above. Following the two-year monitoring period, the quarterly groundwater sampling frequency and analytical program will be re-evaluated and, if the remedy operates successfully, the monitoring requirements will be reduced.



JERSEY CITY MUNICIPAL UTILITIES AUTHORITY

555 ROUTE #440 · JERSEY CITY, NEW JERSEY 07305 · TEL: (201) 432-1150 · FAX: (201) 432-1576

DANIEL F. BECHT, ESQ.
EXECUTIVE DIRECTOR

JOHN D. FOLK, C.P.A.
DIRECTOR OF FINANCE

BOARD OF COMMISSIONERS

EILEEN GAUGHAN
CHAIRPERSON

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TREASURER

WILLIAM CHOPEK, JR.
COMMISSIONER

September 27, 2010

Mactec
511 Congress Street
Portland, ME 04112

Attn Samuel G. Shallard

**RE: GROUNDWATER DISCHARGE CONNECTION
STUDY AREA 5, SITES 090, 184 AND 163
HOME DEPOT SEWER CONNECTION RELOCATION
JCMUA PROJECT No. 2010-2558**

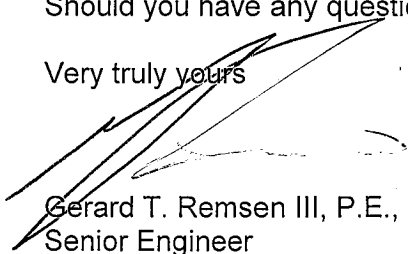
Dear Mr. Shallard:

The Jersey City Municipal Utilities Authority (JCMUA) has reviewed the plans for the proposed relocation of the Home Depot Sewer Connection and has no further comments, as per JCMUA Sewer Connections Rules there are no fees due for the following reasons.

1. Home Depot Sewer connection is a relocation of an existing permitted service
2. The Groundwater Treatment plant discharge will be for less than 1 year.
3. The Groundwater treatment Plant discharge will be metered and billed based on actual flow meter readings.

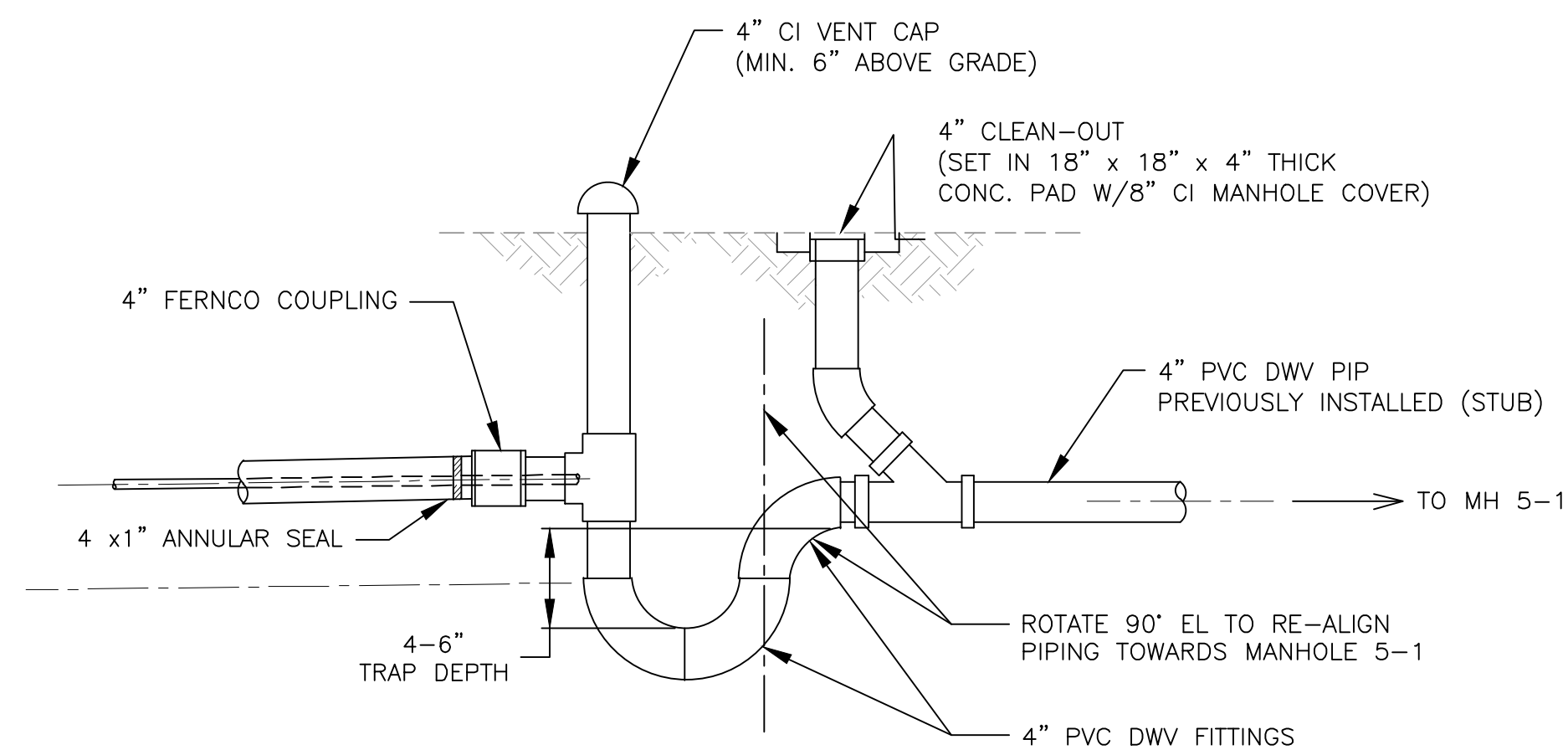
Should you have any questions please contact this office.

Very truly yours

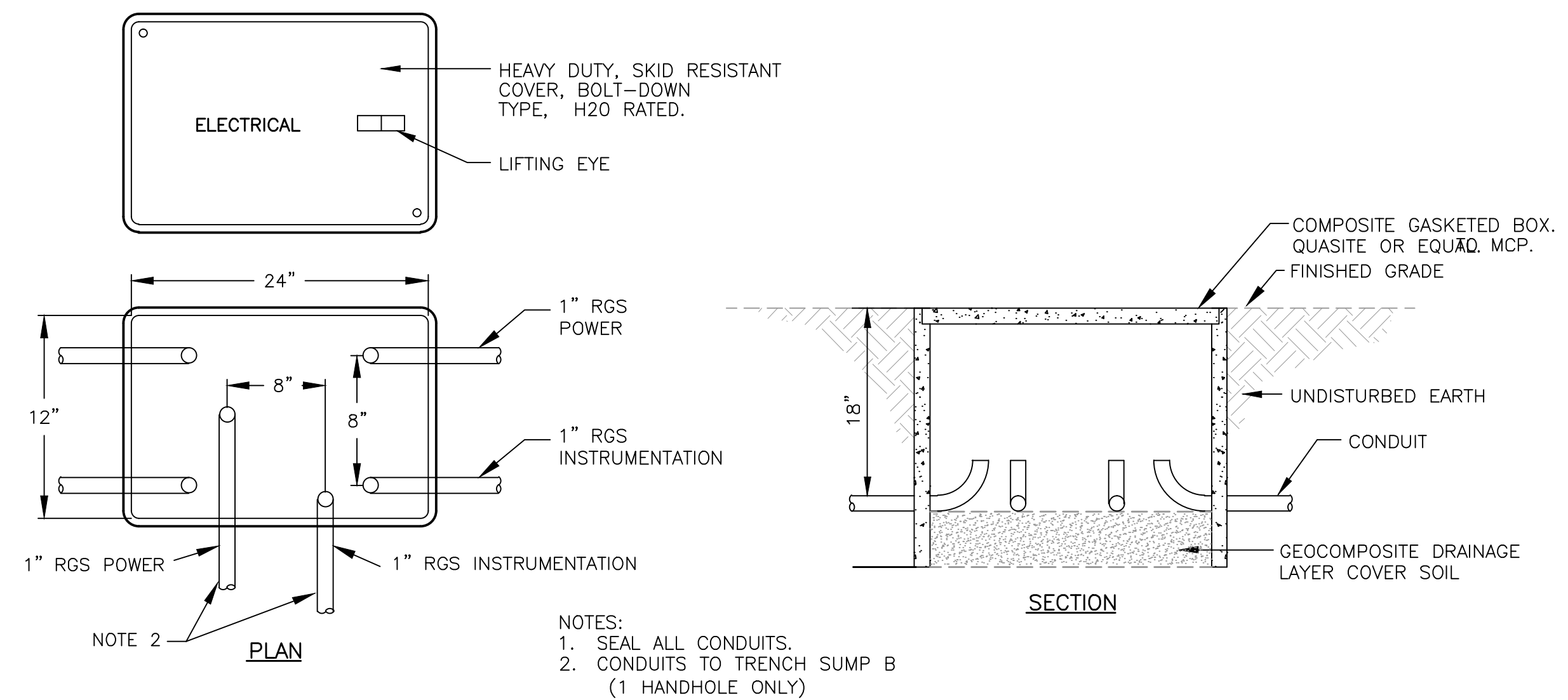

Gerard T. Remsen III, P.E., C.M.E.
Senior Engineer

GTR

Cc: Daniel F. Becht, Esq. – Executive Director
Richard J. Haytas, Acting Senior Engineer
Chris Piersa, P.E. – Principle Engineer
Rajiv Prakash, P.E. – Staff Engineer
Chuck Lee, P.E. – Municipal Engineer
Raymond Meyers – Building Code Official
Joseph Mazzone – Plumbing Code Official
Carl Czaplicki – Director, HEDC
William Hague – Honeywell



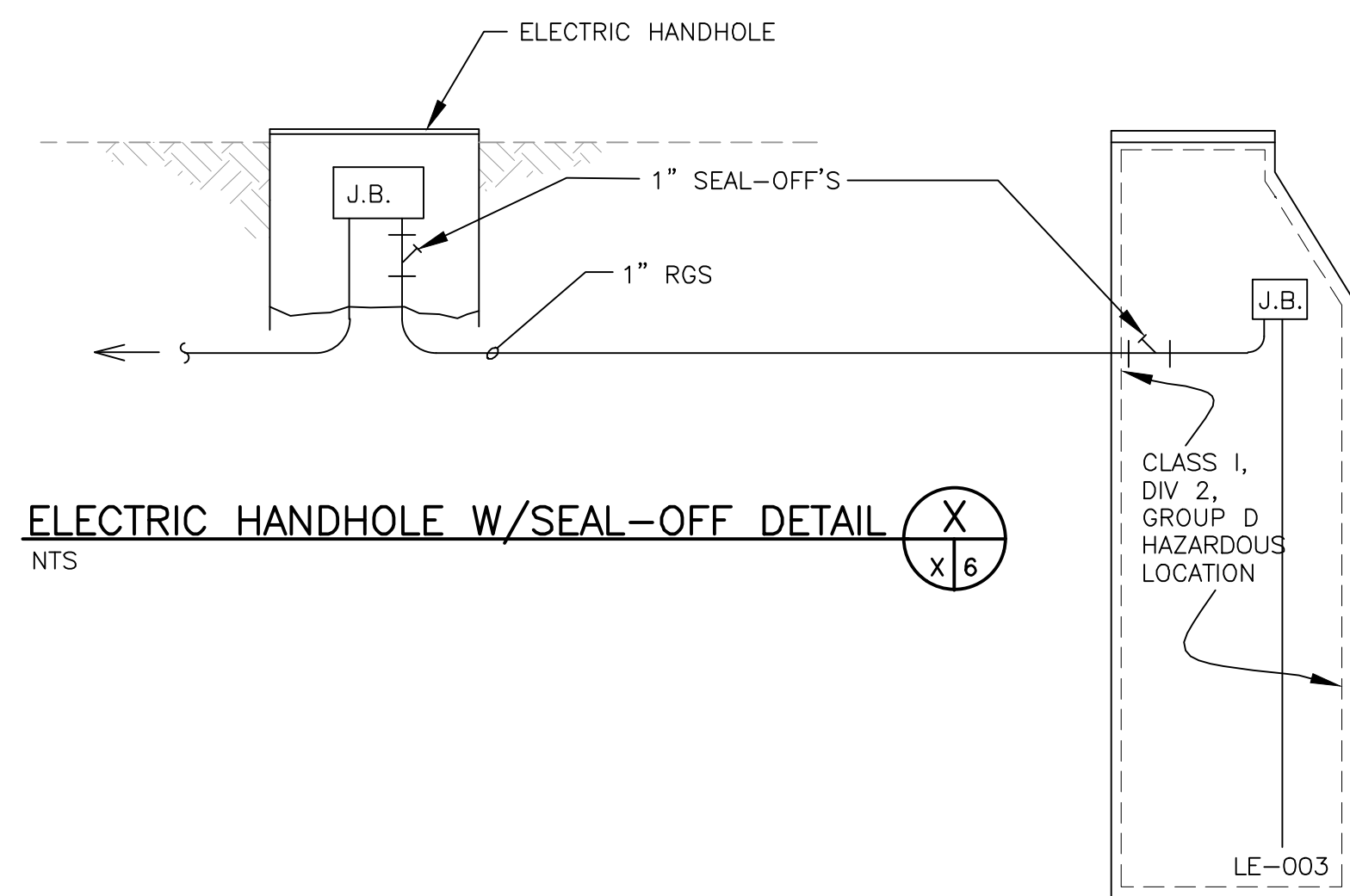
TRAP, VENT & CLEAN-OUT DETAIL
NTS



ELECTRICAL HANDHOLE DETAIL

NTS

A
y 6



ELECTRIC HANDHOLE W/SEAL-OFF DETAIL (X)
NTS x 6

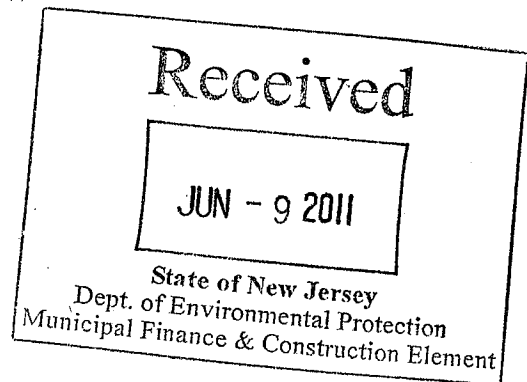
MANHOLE 5-1
SEAL-OFF DETAIL
NTS



engineering and constructing a better tomorrow

June 9, 2011

Mr. John Maselli, TWA Program
NJDEP, Division of Water Quality
Municipal Finance and Construction Element
401 East State Street, 3rd Floor East Wing
P.O. Box 420
Trenton, NJ 08625-0420



Subject: Treatment Works Approval (TWA) permit application for permanent groundwater treatment system
Discharge of treated groundwater to manhole 5-1
Remedial Action - New Jersey City University (NJCU) West Campus
Block 1286, Lots 5&6D; Block 1286.5 Lots 1; Portion of Block 1285.5, Lot 1 to be subdivided
Jersey City, Hudson County, New Jersey

Dear Mr. Maselli,

Mactec Engineering and Consulting, Inc. (Mactec), on behalf of Honeywell International Inc. (Honeywell), is submitting a permit application for a permanent groundwater treatment system at the NJCU West Campus Site following the completion of the soils remedial action for chromium which is currently being implemented by Honeywell at that Site. The NJCU Site is part of NJDEP Study Area 5 and consists of Sites 090 and 184 (NJCU Property) and a portion of Site 153 (Former Morris Canal). The groundwater treatment system will consist of sump trenches located on Site 090 and a filtration system located on a portion of Site 117 that is being purchased by Honeywell from Jersey City Fields, LLC. The block and lots involving this system have the following addresses:

1. 500 Route 440, Jersey City, NJ (Block 1286, Lot 5&6D) – Site 090
2. Route 440 State Hwy, Jersey City, NJ (Block 1286.5, Lot 1) – Site 090
3. 440 Route 440 State Hwy, Jersey City, NJ (Block 1285.5, Lot 1) – Site 117

The permanent groundwater treatment system is expected to operate on a contingent basis (as needed) based on a combination of groundwater quality and hydraulic criteria. Parameters critical to the system will be collected after the completion of the soils remedy. Groundwater modeling conducted for the Site indicates a flow at a maximum rate of 6 gallons per minute (8,640 gallons per day). The groundwater modeling report serving as the basis of Mactec's flow estimate is provided as an attachment to the Engineer's Report. The treated water will be discharged to an existing combined sewer system operated by Jersey City Municipal Utilities Authority (JCMUA) discharging to a Publicly Owned Treatment Works (POTW) owned and operated by Passaic Valley Sewerage Commissioners (PVSC). Appropriate notification to PVSC will be made prior to commencing any discharge. To comply with the requirements of New Jersey Administrative Code (N.J.A.C.) 7:14A-22, a TWA permit is required for conveyance of flow rate greater than 8,000 gallons per day (gpd).

The enclosed TWA application includes the following:

- Application Form TWA-1
- Engineer's Report Form WQM-006

- Consent Form WQM-003 (unsigned copy)
- Application fee Check for \$850
- Construction Cost Estimate
- Copies of Receipt of Public Notifications
- USGS Quadrangle Map
- Final Plans and Profile
- Construction Specifications

This TWA application is being submitted in order to obtain approval of the installation of a pump system and construction of discharge piping (forcemain) associated with the conveyance of treated groundwater to the existing manhole 5-1 which conveys flow into the JCMUA combined sewer system on Carbon Place. The treatment system will consist of the following units:

- Vault to house treatment system
- Pumps and piping to process water through the bag filter system
- Bag filter system
- Badger non-resettable flow meter

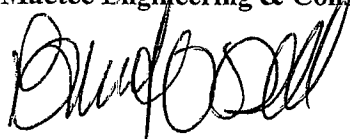
Please note that the WQM-003 form will be submitted to you as soon as it is issued by the JCMUA and PVSC. Meanwhile, we have included an unsigned copy of the WQM-003 form in the TWA application package for your reference. A copy of the TWA application is also submitted to JCMUA and PVSC as part of its approval of the WQM-003 form.

On behalf of Honeywell, we have also submitted an application to PVSC for Letter of Authorization to discharge the treated groundwater to its system.

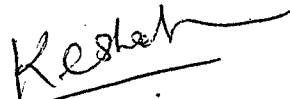
We would greatly appreciate if NJDEP may be able to initiate its technical review of this application pending the issuance of the WQM-003 form. This would be very helpful in enabling us to meet the planned construction schedule. If you have question concerning the subject matter, please contact either of the undersigned at 609-689-2829.

Sincerely,

Mactec Engineering & Consulting, Inc.



Brent O'Dell, P.E., DEE
Senior Principal Engineer



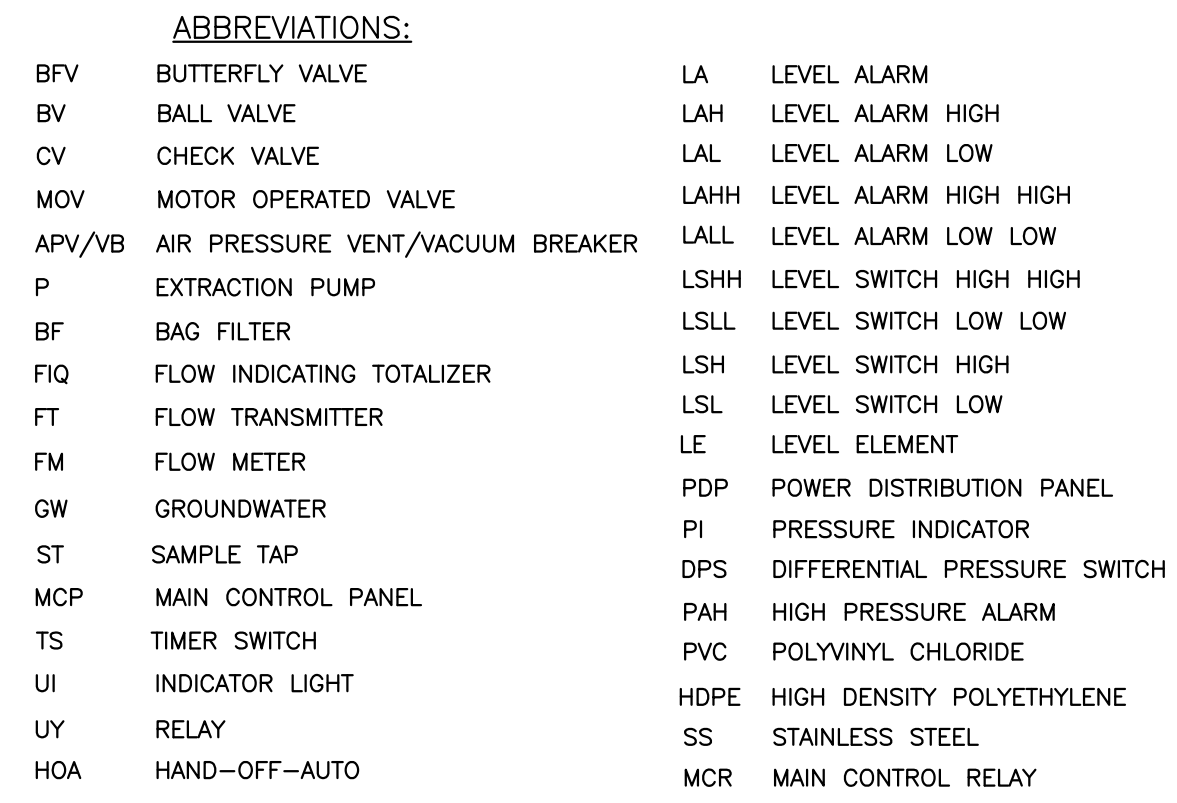
Kinjal Shah, E.I.T.
Senior Engineer




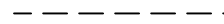









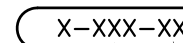

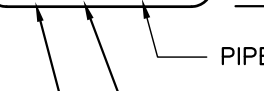
cc: William Hague –Honeywell (electronic copy, w/o encl.)
Maria Kaouris – Honeywell
John Mojka – Honeywell
Steven Fields – Jersey City Fields, LLC
Joe Clifford – Mactec



ISSUED TO BE CONSISTENT WITH 100-PERCENT DESIGN, HONEYWELL,
STUDY AREA 5, SITE 190, 184 AND 153, JULY 2010.

FILE NAME:C:\Users\jonathan.valones\Documents\SA-5 NJCU Type II\Drawings\GW TREATMENT SYSTEM (as-built)\CURRENT DRAWINGS\Fig-1 GW TREATMENT SYSTEM LAYOUT.dwg Layout: Layout jonathan.valones PLOT DATE:Fri, 02 Mar 2012 PLOT TIME:8:43 AM



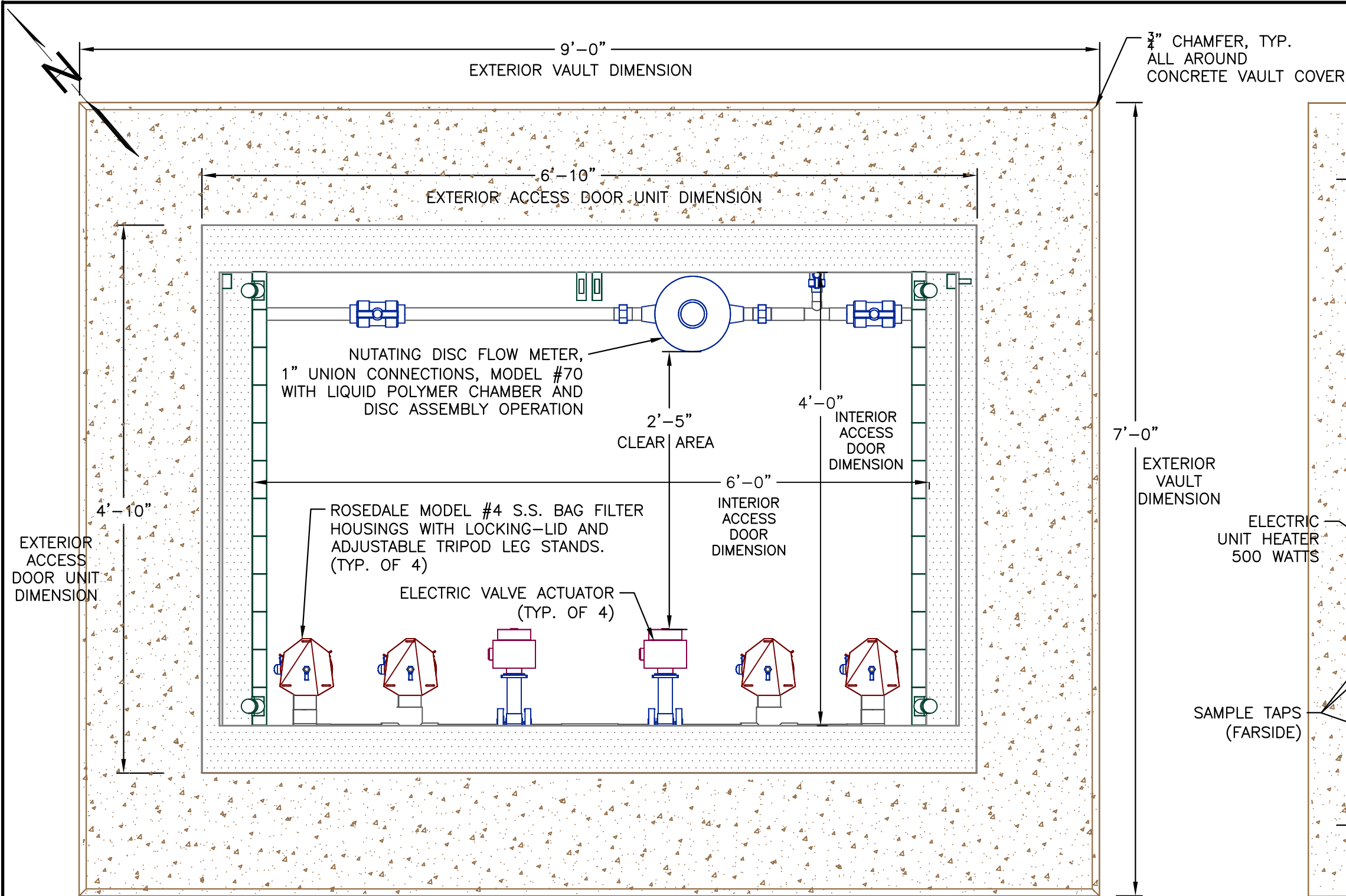
| | | | |
|---|--|---|---|
|  | BALL VALVE |  | PIPING |
|  | CHECK VALVE |  | INSTRUMENT ELECTRONIC SIGNAL LINE |
|  | BUTTERFLY VALVE |  | FIELD DEVICE |
|  | DISC METER |  | DEVICE MOUNTED ON FRONT OF PANEL |
|  | TRUE UNION |  | DEVICE MOUNTED INSIDE PANEL |
|  | AIR PRESSURE VENT/ VACUUM BREAKER |  | INDICATOR LIGHT |
|  | PIPING MATERIAL SPECIFICATION CHANGE |  | LINE ID |
|  | 1" PIPE WITHIN 4" PIPE WHERE 4" PIPE IS BEING USED FOR CONTAINMENT |  | PIPE MATERIAL SERVICE DESIGNATION PIPE SIZE |

1b FILTER BANKS SHALL ALTERNATE UPON HIGH PRESSURE SIGNAL FROM DPS-001.

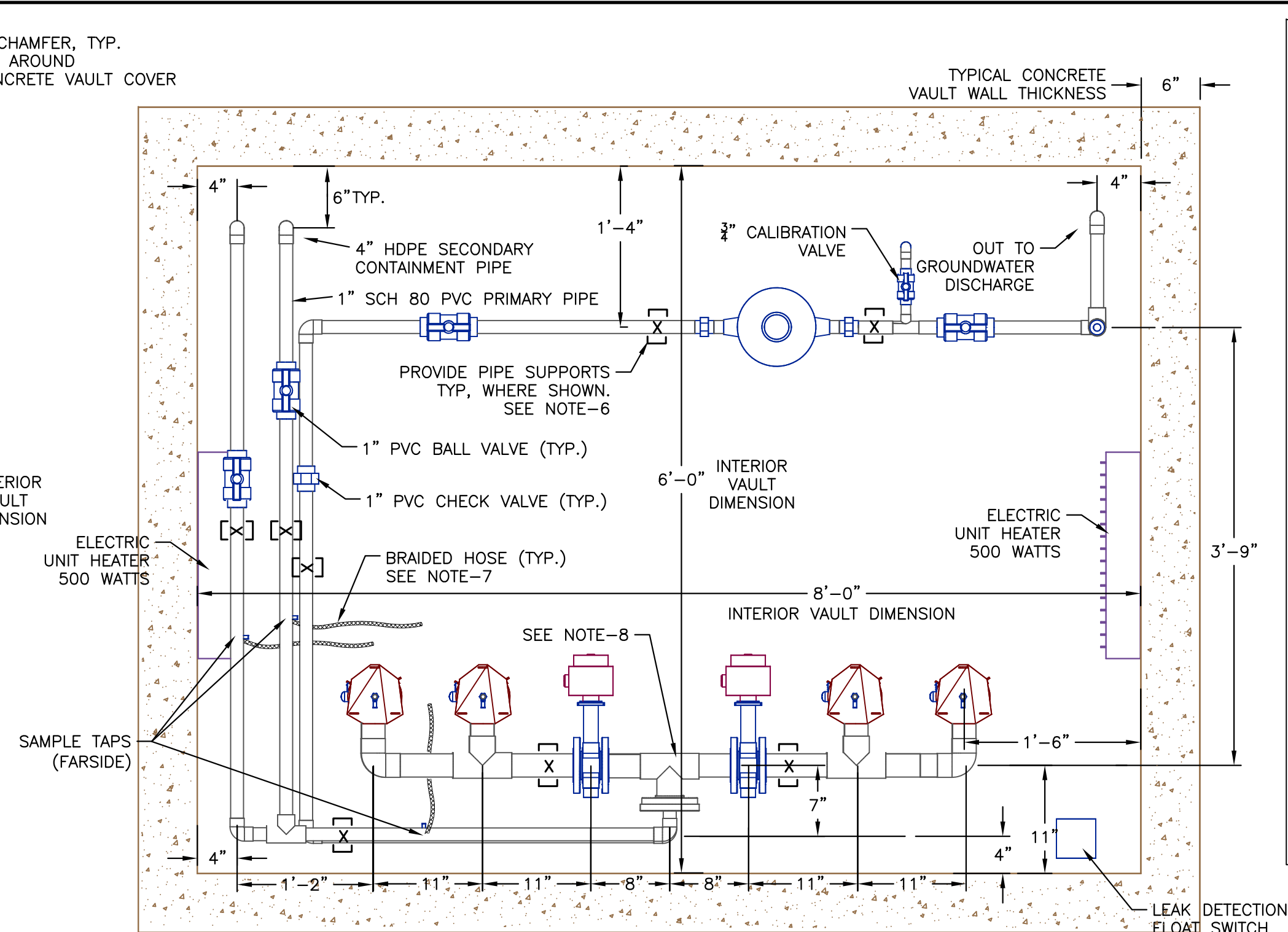
1a DE-ENERGIZE SUMP PUMPS P-1 & P-2 IMMEDIATELY UPON HIGH LEVEL IN VAULT (LAH-004). MANUAL RESTART UPON CLEARING ALARM CONDITIONS.

1. PROVIDE TWO DUPLEX BAG FILTER UNITS WITH CONTROL PANEL FOR AUTOMATIC SEQUENCING AS SHOWN ON THE DRAWINGS. ONLY ONE FILTER BANK OPERATES AT A TIME WITH AN AUTOMATIC CHANGE OVER (MOTOR-ACTUATED) WHEN HIGH DIFFERENTIAL PRESSURE (APPROX. 10 PSI) IS MEASURED. (FIELD ADJUSTABLE SET POINT).
2. ACCEPTABLE MANUFACTURERS, ROSEDALE MODEL 4-12-2B-WD-150-S-V-N-PB-D-SPEC, OR APPROVED EQUAL.
3. HOUSING - 304 STAINLESS STEEL, 150 PSI PRESSURE RATING, AT 140 DEGREES FAHRENHEIT MAXIMUM, CLAMP COVER AND SUPPORT LEGS, 1/2-INCH NPT DRAIN VALVE, 3/4-INCH NPT FITTING IN COVER FOR INSTALLATION OF AIR RELIEF VALVE.
4. PIPING AND VALVES - 1-INCH DIAMETER, 304 STAINLESS STEEL, ASME B16.5-150 LB. FLAT-FACED FLANGED INLET AND OUTLET CONNECTIONS, BUTTERFLY VALVES WITH 316 STAINLESS STEEL INTERNALS, INLET AND OUTLET PRESSURE INDICATOR.
5. CONTROLS -
 - A. PRESSURE DIFFERENTIAL SWITCH WITH NEMA 4X CONTROL PANEL AND MOTOR ACTUATOR TO AUTOMATICALLY SWITCH SERVICE TO SECOND FILTER BANK.
 - B. OPERATES ON 115 V SINGLE PHASE POWER.
 - C. MANUAL RESET SWITCH TO INDICATE WHEN OLD BAG FILTERS HAVE BEEN REMOVED AND NEW BAG FILTERS HAVE BEEN INSTALLED AND ALLOW AUTOMATIC CHANGE BACK TO THE NEW BAGS.
 - D. BAG SERVICE REQUIRED LOCAL ALARM AFTER BAG FILTER SWITCHING AND CAN ONLY BE RESET BY OPERATOR.
 - E. HAND SWITCH TO MANUALLY SWITCH SERVICE FROM ONE SIDE TO THE OTHER.
 - F. USE HONEYWELL INSTRUMENTS WHERE AVAILABLE.
6. FILTER BAGS TO BE STANDARD FELT-BAG WITH MICRON RATING AS APPROVED BY THE ENGINEER.

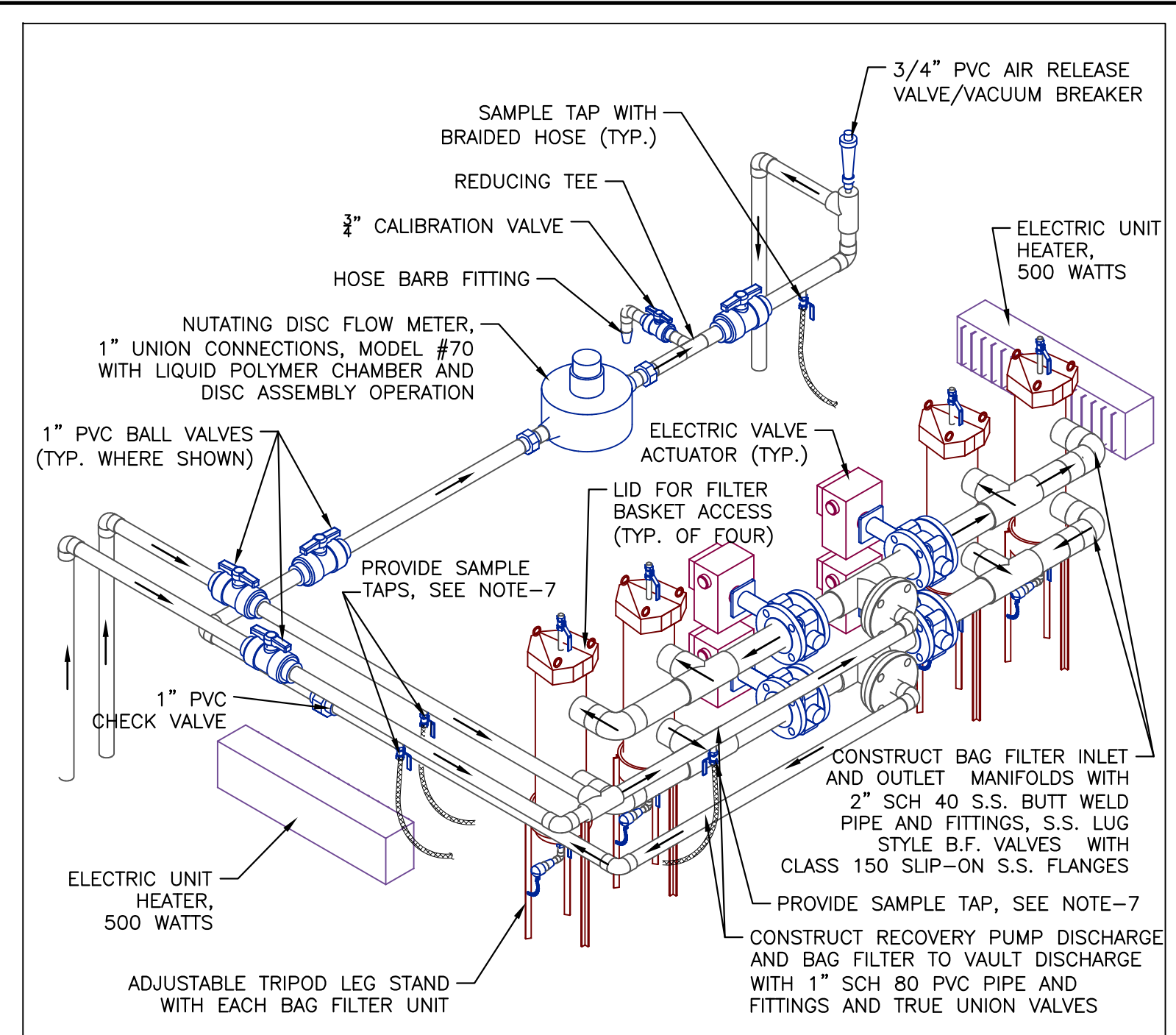
ISSUED TO BE CONSISTENT WITH 100-PERCENT DESIGN, HONEYWELL,
STUDY AREA 5, SITE 190, 184 AND 153, JULY 2010.



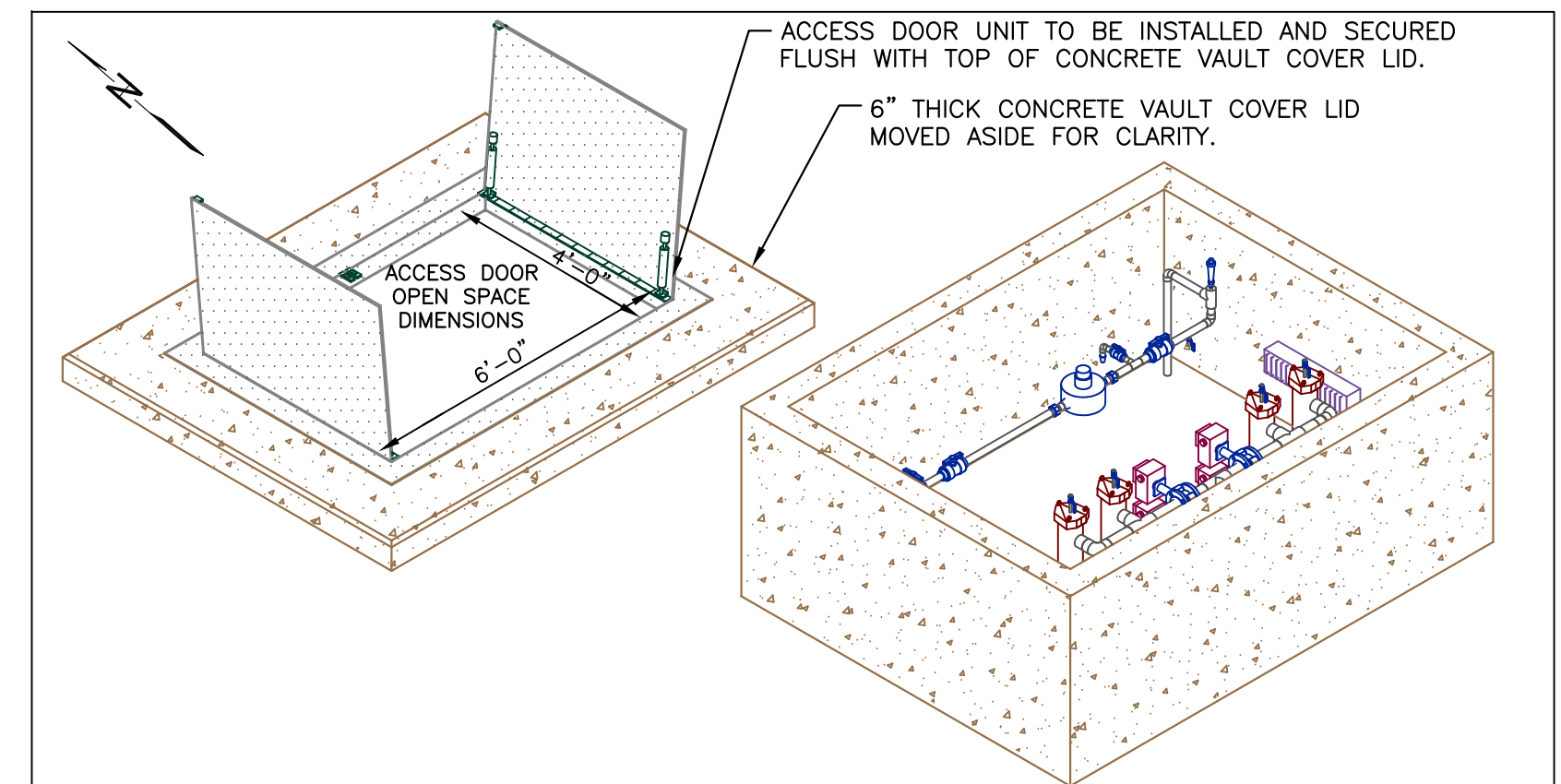
PLAN VIEW
FILTER STATION EQUIPMENT IN CONCRETE VAULT
WITH ACCESS DOOR UNIT OPENED



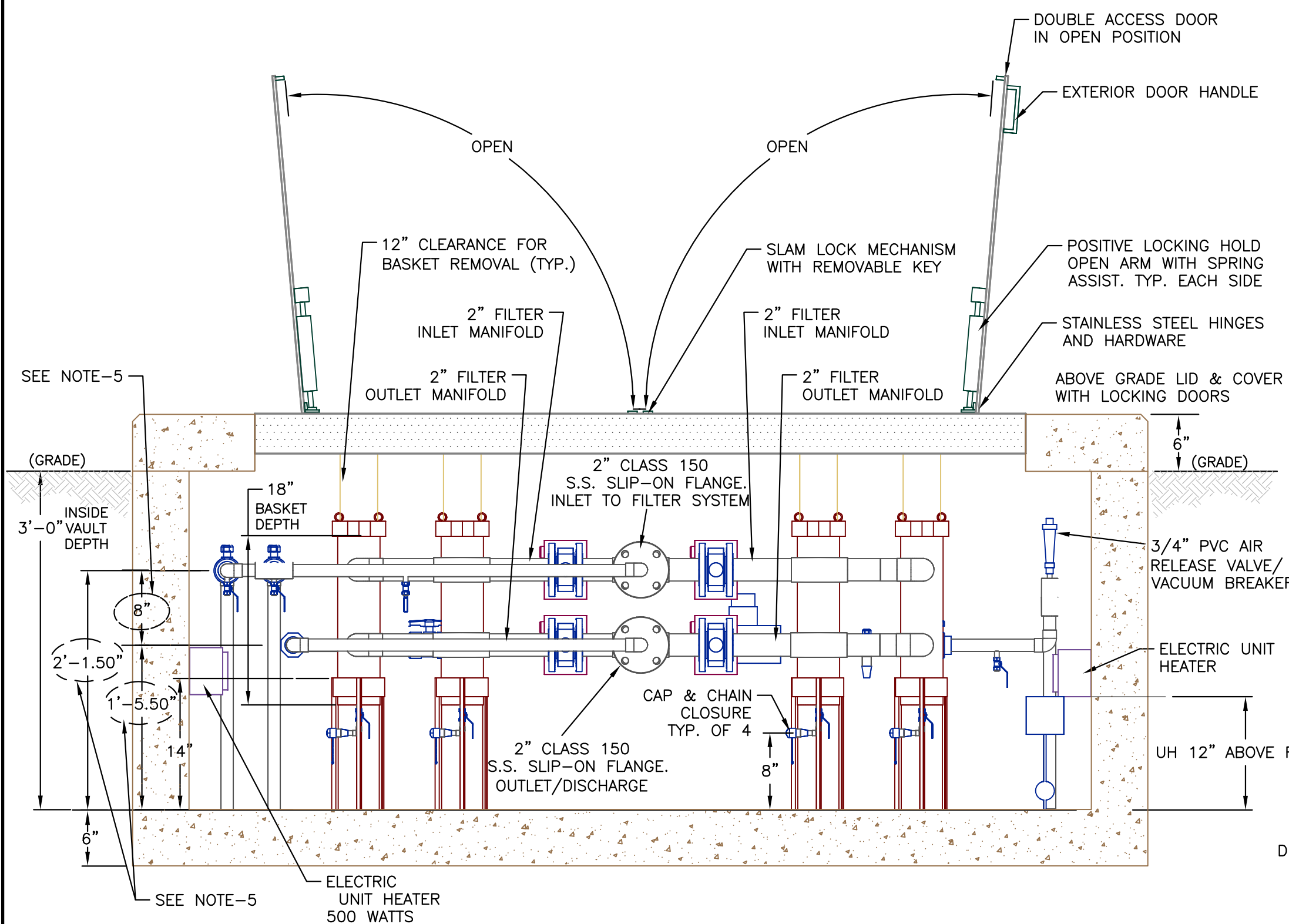
PLAN VIEW
FILTER STATION EQUIPMENT IN CONCRETE VAULT
WITH ACCESS DOOR UNIT REMOVED



ISOMETRIC VIEW - FILTER STATION EQUIPMENT
NTS



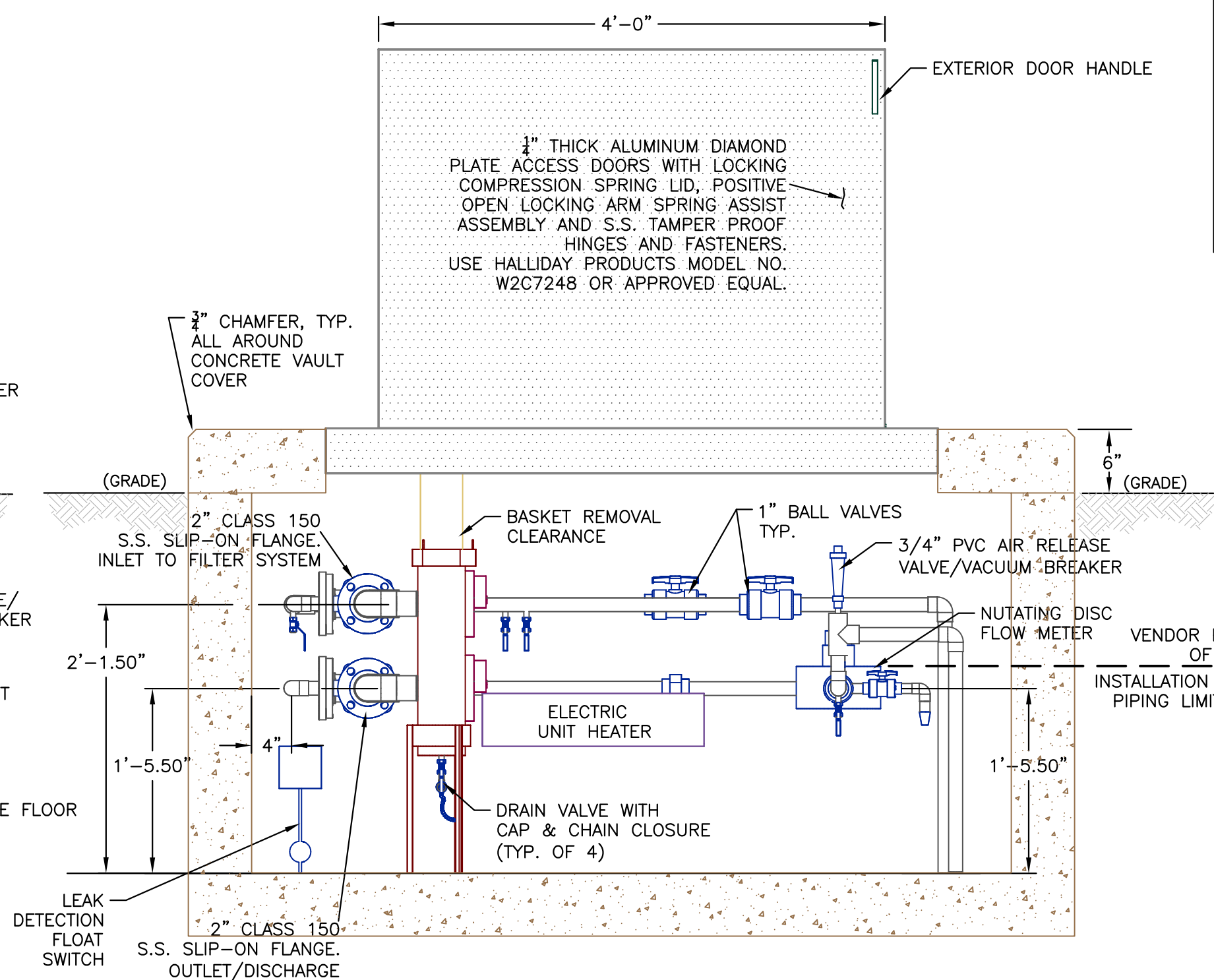
ISOMETRIC VIEW
GROUNDWATER FILTER STATION SYSTEM
NTS



500 WATTS

ELEVATION VIEW

EQUIPMENT IN CONCRETE VAULT WITH ACCESS DOOR UNIT SHOWN



SIDE ELEVATION VIEW
EQUIPMENT IN CONCRETE VAULT WITH ACCESS DOOR UNIT SHOWN

1. FILTER STATION VAULT EQUIPMENT AND PIPING PROVIDED BY OUTSIDE VENDOR.
2. PVC BALL VALVES AND CHECK VALVES SHALL BE SCH80 PVC WITH TRUE UNION CONNECTIONS.
3. ELECTRIC UNIT HEATER SECURED TO VAULT END WALL.
4. INSIDE OF CONCRETE VAULT COATED WITH CHEMICAL RESISTANT EPOXY COATING. SEE MANUFACTURERS' SPECIFICATIONS.
5. ALL PIPE SUPPORTS, BOLTS, FASTENERS, CLAMPS, ETC, SHALL BE STAINLESS STEEL. ALL NUTS SHALL BE ZINC PLATED STEEL.
6. FABRICATOR SHALL COORDINATE PIPE OFFSET DIMENSIONS AS REQUIRED TO ACCOMMODATE PROPER CLEARANCES FOR ACTUATORS AND OTHER EQUIPMENT.
7. PROVIDE PIPE SUPPORTS WHERE SHOWN TO SECURE PIPING FROM EXCESSIVE SAGGING. MAY BE SUPPORTED FROM VAULT FLOOR UTILIZING ANGLE IRON AND U-BOLTS; SPLIT RING HANGERS, ALL THREAD UNI-STRUT SYSTEM OR APPROVED EQUIAL.
8. PROVIDE $\frac{1}{4}$ " I.D. S.S. BRAIDED HOSE WITH POLY LINER FROM SAMPLE VALVE AT PIPE OF SUFFICIENT LENGTH TO REACH ABOVE ACCESS DOOR OPENING, WITH SUFFICIENT SERVICE LOOP. PROVIDE SECOND $\frac{1}{4}$ " BALL VALVE AND HOSE BARBS AT DISCHARGE END.
9. INSTALL TAPS AND DIFFERENTIAL PRESSURE SWITCH ASSEMBLY ACROSS 2" FILTER INLET AND OUTLET MANIFOLDS, COMPLETE WITH DIFFERENTIAL AND NON-DIFFERENTIAL PRESSURE GAUGES. SEE P&ID FOR SPECIFICATIONS.

NOTE:

ISSUED TO BE CONSISTENT WITH 100-PERCENT DESIGN, HONEYWELL,
STUDY AREA 5, SITE 190, 184 AND 153, JULY 2010.

12/14/11 TCK

Honeywell Jersey City SA-5 - Filter Station Field Testing - 12/14/11

Overall Valve position/system check/prep

- ensure all sample taps closed TCK
- throttling valves open TCK
- MOV valves open TCK
- Install filters and tighten lids TCK
- Program Autodialer (4 - Inputs) - program test dial out number TCK

Energize panel w/ pump breakers locked out

Run through manual operation - Pumps de-energized

- Pumps ON/OFF (breakers pull in only) - correct pump breaker closes w/ correct hand switch, Indicator Lights work, Run Time Meters work TCK TCK TCK
- MOVs OPEN/CLOSE - correct MOV w/ correct hand switch TCK
- Check Vault HL Switch/Alarm function - local indicator light TCK
- Check MH-5-1 HL Switch/Alarm function (jump as required) - local indicator light TCK (@ Panel)
- Check Heater operation - T-Stat function TCK (Boiler 1 & 2)

Run through Automatic Operation - Pumps de-energized

- Sample A ✓ ○ P-1 : ON/OFF at H/L TCK 12/20/11 North Pump
- Sample B ✓ ○ P-2 : ON/OFF at H/L TCK 12/20/11 South Pump
- P-1: HHA Auto Dialer & Indicator Light TCK 12/20/11
- P-1: LLA Auto Dialer & Indicator Light TCK 12/20/11
- P-2: HHA Auto Dialer & Indicator Light TCK Indicator Light OK /
- P-2: LLA Auto Dialer & Indicator Light TCK Ind. Light OK /
- P-1 OFF due to Vault HL/Auto Dialer and Indicator Light TCK
- ★ ○ P-1 OFF due to MH 5-1 HL/Auto Dialer and Indicator Light, Auto Re-Start on Time Delay TCK
- P-2 OFF due to Vault HL/Auto Dialer and Indicator Light TCK
- ★ ○ P-2 OFF due to MH 5-1 HL/Auto Dialer and Indicator Light, Auto Re-Start on Time Delay TCK
- Filter Bank 1 → 2 : Auto Switch Over/ Auto Dialer and Indicator Light - Operator RESET TCK
- Filter Bank 2 → 1 : Auto Switch Over / Auto Dialer and Indicator Light - Operator RESET TCK

▪ **Live Test Prep**

- ✓ ○ Activate P1 only – purge air from filters – throttle to 3.5 gpm
- ✓ ○ Flow Meter Operation – Local & Remote/Non-Resetable
- ✓ ○ Activate P2 only – purge air from filters – throttle to 3.5 gpm
- ✓ ○ Activate P1 & P2 – check for system leaks, proper drainage

TCL

TCL

TCL

TCL

- Leaks from
Air / Pressure
Vent

▪ **Live Test - Run through manual operation – Pumps Energized**

- TCL ○ Pumps ON/OFF (breakers pull in only) – correct pump breaker closes w/ correct hand switch, Indicator Lights work, Run Time Meters work
- MOVs OPEN/CLOSE – correct MOV w/ correct hand switch
- Check Vault HL Switch/Alarm function – local indicator light
- * ○ Check MH-5-1 HL Switch/Alarm function – local indicator light
- Check Heater operation - T-Stat function

TCL

TCL

TCL

TCL

▪ **Live Test - Run through Automatic Operation – Pumps Energized**

- P-1 : ON/OFF at H/L
- P-2 : ON/OFF at H/L
- P-1: HHA Auto Dialer & Indicator Light
- P-1: LLA Auto Dialer & Indicator Light
- P-2: HHA Auto Dialer & Indicator Light
- P-2: LLA Auto Dialer & Indicator Light
- P-1 OFF due to Vault HL/Auto Dialer and Indicator Light
- * ○ P-1 OFF due to MH 5-1 HL/Auto Dialer and Indicator Light, Auto Re-Start on Time Delay
- P-2 OFF due to Vault HL/Auto Dialer and Indicator Light
- * ○ P-2 OFF due to MH 5-1 HL/Auto Dialer and Indicator Light, Auto Re-Start on Time Delay
- Filter Bank 1 → 2 : Auto Switch Over / Auto Dialer and Indicator Light – Operator RESET
- Filter Bank 2 → 1 : Auto Switch Over / Auto Dialer and Indicator Light – Operator RESET

TCL 12/20/11

TCL

TCL 12/20/11

TCL 12/20/11

TCL

TCL

TCL 12/20/11

TCL 12/20/11

TCL

TCL

TCL

TCL

* Note: MH-5-1 HL Shut-off was tested by jumping leads in control panel, as the level sensor was not installed in MH 5-1. As such, control response only was successfully tested

*As Built Control Panel Terminal Connections
for Field Wiring - Provided by Marshall Ind.
on 12/20/11*

| TB 1 | | TB 2 | | |
|--------|-------------|----------|--------|------------|
| 1- | GND | MOV 1 | 1- S1 | LLL SUMP 1 |
| 2- | HOT | MOV 1 | 2- G1 | LLL SUMP 1 |
| 3- | NEUT | MOV 1 | 3- S2 | LL SUMP 1 |
| 4- | OPEN | MOV 1 | 4- G2 | LL SUMP 1 |
| 5- | OPEN LIGHT | MOV 1 | 5- S3 | HL SUMP 1 |
| 6- | CLOSE | MOV 1 | 6- G3 | HL SUMP 1 |
| 7- | CLOSE LIGHT | MOV 1 | 7- S4 | HHL SUMP 1 |
| 8- | HOT | MOV 2 | 8- G4 | HHL SUMP 1 |
| 9- | NEUT | MOV 2 | 9- S1 | LLL SUMP 2 |
| 10- | OPEN | MOV 2 | 10- G1 | LLL SUMP 2 |
| 11- | OPEN LIGHT | MOV 2 | 11- S2 | LL SUMP 2 |
| 12- | CLOSE | MOV 2 | 12- G2 | LL SUMP 2 |
| 13- | CLOSE LIGHT | MOV 2 | 13- S3 | HL SUMP 2 |
| 14- | GND | | 14- G3 | HL SUMP 2 |
| 15- | HOT | MOV 3 | 15- S4 | HHL SUMP 2 |
| 16- | NEUT | MOV 3 | 16- G4 | HHL SUMP 2 |
| 17- | OPEN | MOV 3 | 17- S1 | HL MH 5-1 |
| 18- | OPEN LIGHT | MOV 3 | 18- G1 | HL MH 5-1 |
| 19- | CLOSE | MOV 3 | 19- HL | VAULT |
| 20- | CLOSE LIGHT | MOV 3 | 20- HL | VAULT |
| 21- | HOT | MOV 4 | | |
| 22- | NEUT | MOV 4 | | |
| 23- | OPEN | MOV 4 | | |
| 24- | OPEN LIGHT | MOV 4 | | |
| 25- | CLOSE | MOV 4 | | |
| 26- | CLOSE LIGHT | MOV 4 | | |
| 27- | GND | MOV 4 | | |
| 28- | HOT L1 | SUMP 1 | | |
| 29- | HOT L2 | SUMP 1 | | |
| 30- | GND | | | |
| 31- | HOT L1 | SUMP 2 | | |
| 32- | HOT L2 | SUMP 2 | | |
| 33- | GND | | | |
| 34- | HOT | D.P. SW. | | |
| 35- | HOT | D.P. SW. | | |
| JUMPER | DO NOT USE | | | |
| 36- | HOT | HEATER 1 | | |
| 37- | NEUT | HEATER 1 | | |
| 38- | GND | | | |
| 39- | NEUT | HEATER 2 | | |
| 40- | HOT | HEATER 2 | | |

| | |
|-----------------|----------|
| TB 3 | |
| 1- GND | MOV 1 |
| 2- HOT | MOV 1 |
| 3- NEUT | MOV 1 |
| 4- OPEN | MOV 1 |
| 5- OPEN LIGHT | MOV 1 |
| 6- CLOSE | MOV 1 |
| 7- CLOSE LIGHT | MOV 1 |
| 8- HOT | MOV 2 |
| 9- NEUT | MOV 2 |
| 10- OPEN | MOV 2 |
| 11- OPEN LIGHT | MOV 2 |
| 12- CLOSE | MOV 2 |
| 13- CLOSE LIGHT | MOV 2 |
| 14- GND | |
| 15- HOT | MOV 3 |
| 16- NEUT | MOV 3 |
| 17- OPEN | MOV 3 |
| 18- OPEN LIGHT | MOV 3 |
| 19- CLOSE | MOV 3 |
| 20- CLOSE LIGHT | MOV 3 |
| 21- HOT | MOV 4 |
| 22- NEUT | MOV 4 |
| 23- OPEN | MOV 4 |
| 24- OPEN LIGHT | MOV 4 |
| 25- CLOSE | MOV 4 |
| 26- CLOSE LIGHT | MOV 4 |
| 27- GND | MOV 4 |
| 28- HOT L1 | SUMP 1 |
| 29- HOT L2 | SUMP 1 |
| 30- GND | |
| 34- HOT | D.P. SW. |
| 35- HOT | D.P. SW. |
| 36- HOT | HEATER 1 |
| 37- NEUT | HEATER 1 |
| 38- GND | |
| 39- NEUT | HEATER 2 |
| 40- HOT | HEATER 2 |

TB 3 IS IN VAULT JUNCTION BOX

| | | |
|--------|-------|-----------|
| 19- HL | VAULT | FROM TB 2 |
| 20- HL | VAULT | FROM TB 2 |



State of New Jersey
DEPARTMENT OF COMMUNITY AFFAIRS
DIVISION OF CODES AND STANDARDS
BUREAU OF CONSTRUCTION PROJECT REVIEW
STATE BUILDINGS UNIT
PO Box 817
TRENTON NJ 08625-0817

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

Richard E. Constable, III
Acting Commissioner

DATE: February 6, ~~2011~~ 2012

TO: Andrew Christ
Associate VP
New Jersey City University
2039 Kennedy Boulevard
Hepburn Hall – Room 314
Jersey City, NJ 07305

FROM: Richard Greenberg
Supervisor
State Buildings Inspections Unit

Permit#: 11-0582
Project#: NA

SUBJECT: Certificate of Approval

AGENT/
CONTRACTOR: EG Electrical Contractors

Attached please find the Certificate of Approval for the project listed below:

**NEW JERSEY CITY UNIVERSITY
INSTALLATION OF ELECTRICAL SERVICE
WEST CAMPUS PARKING LOT
JERSEY CITY, NJ**

RG:mh

Attachment

cc: File

Date Issued 02/06/2012
Control #
Permit # 11-0582

UCC NEW JERSEY
CERTIFICATE

IDENTIFICATION

Block NJCU Lot N/A Qual
Work Site Location 500-520 ROUTE 440
JERSEY CITY, NJ
Owner in Fee/Occupant NEW JERSEY CITY UNIVERSITY
Address 2039 KENNEDY BLVD.
JERSEY CITY, NJ 07305-
Telephone ()
Contractor EG ELECTRICAL CONTRACTORS
Address 162 PRIGMORE STREET
EAST BRUNSWICK, NJ 08816-
Telephone (732)613-1416 Fax ()
Lic. No. or Bldrs. Reg. No. 8540
Federal Emp. No. 22-2720957

Home Warranty No.
Type of Warranty Plan: [] State [] Private
Use Group U
Maximum Live Load 0
Construction Classification
Maximum Occupancy Load 0
Description of Work/Use:

NEW JERSEY CITY UNIVERSITY - INSTALLATION OF
ELECTRICAL SERVICE - WEST CAMPUS PARKING LOT, JERSEY
CITY, NJ

X) CERTIFICATE OF OCCUPANCY

This serves notice that said building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

X) CERTIFICATE OF APPROVAL

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.

J) TEMPORARY CERTIFICATE OF OCCUPANCY/COMPLIANCE

If this is a Temporary Certificate of Occupancy or Compliance, the following conditions must be met no later than _____, or the owner will be subject to fine or order to vacate:

[] CERTIFICATE OF CLEARANCE - LEAD ABATEMENT 5:17

This serves notice that based on written certification, lead abatement was performed as per NJAC 5:17, to the following extent:

- [] Total removal of lead-based paint hazards in scope of work
- [] Partial or limited time period (_____, years); see file

[] CERTIFICATE OF CONTINUED OCCUPANCY

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

[] CERTIFICATE OF COMPLIANCE

This serves notice that said potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until _____.

Fee \$ 0
Paid [] Check No. _____
Collected by: _____

CONSTRUCTION OFFICIAL

U.C.C. F260 (rev. 3/96) NJ UCCARS 5.26



AMEC E&I
200 American Metro Blvd, Ste 113
Hamilton, NJ 08619
Phone: (609) 689-2829 Fax: (609) 689-2838

LETTER OF TRANSMITTAL

To:
Passaic Valley Sewerage Commissioners
Anthony Gammaro
600 Wilson Ave
Newark, New Jersey 07105

DATE: 12/21/2011
PROJECT NO. 3480100023
PROJ. NAME: NJCU GWES
SUBJECT: Certification for Approval by Professional Engineer for TWA

FROM: Marinna Seemuller

WE TRANSMIT TO YOU:

☒ HEREWITH

☐ UNDER SEPARATE COVER

SUBJECT:

- ☐ DRAWINGS
- ☐ SPECIFICATIONS
- ☐ CALCULATIONS
- ☐ REPORT
- ☐ COST ESTIMATE
- ☒ AS NOTED

ACTION:

- ☐ FOR YOUR INFORMATION
- ☒ FOR YOUR COMMENT OR APPROVAL
- ☐ RETURNED FOR CORRECTION: RESUBMIT
- ☐ APPROVED AS NOTED
- ☐ AS REQUESTED

SENT BY:

- ☐ MAIL
- ☐ CERTIFIED MAIL
- ☒ EXPRESS
- ☐ COURIER
- ☐ HAND DELIVERED
- ☐ FACSIMILE:

of pages (including transmittal sheet)

| COPIES | DATE | DESCRIPTION |
|--------|------------|---|
| 2 | 12/21/2011 | Signed and Sealed Certification for Approval by Professional Engineer for TWA |
| | | |

REMARKS:

Attached are 2 signed and sealed copies as required for approval

TO

CC: Joe Clifford
Maria Kaouris
Tim Kessler

-By: Marinna Seemuller
609-689-2829

your copy enclosed
original sent DEP

CONFIDENTIALITY NOTICE: This message is intended only for the use of the individual or entity to which it is addressed, and may contain information that is privileged, confidential, and exempt from disclosure under applicable law. If the reader of this message is not the intended recipient, or the employee or agent responsible for delivering the message to the intended recipient, you are hereby notified that any dissemination, distribution, or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone and return the original message to us at the above address via the U.S. Postal Service. Thank you.

If transmission is not received in good order, please call Suzy at 609-689-2829

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER QUALITY
Mail Code 401-03D, PO Box 420
TRENTON, N.J. 08625-0420
TREATMENT WORKS APPROVAL PROGRAM

CERTIFICATION FOR APPROVAL BY PROFESSIONAL ENGINEER

Within 30 days after the construction of the treatment works has been completed, the permittee shall submit two executed copies of this form to the appropriate receiving wastewater treatment plant for their approval prior to operation. One executed copy approved by the receiving wastewater treatment plant shall be forwarded to the Division of Water Quality at the above noted address.

Treatment Works Approval Permit No.:

11-0161

Name of Permittee:

Honeywell International

Location of Activity:
(Municipality and County)

Jersey City, Hudson County

I hereby certify the treatment works identified above has been inspected and tested under my supervision. Construction was witnessed as required in the specifications.

The project was constructed in substantial conformance with the approved plans and specifications. Any minor exceptions to the approved plans and/or specifications are attached hereto with the approval of the permittee.


Signature of Certifying Engineer

Professional Engineer's
Embossed Seal

Timothy C. Kessler 12/20/11
Name and Date
(Print or Type)

RECEIVING WASTEWATER TREATMENT PLANT ACKNOWLEDGMENT

Name of Wastewater Treatment Plant Passaic Valley Sewerage Commission

Acknowledgment by Wastewater Treatment Plant Owner*

[Signature] 3/5/12
(signature and date)

*Person authorized to sign section C of the NJDEP's WQM-003 Consent Form.

APPENDIX M

LABORATORY REPORTS FOR POST EXCAVATION COMPLIANCE SAMPLES

STUDY AREA 5 REMEDIAL ACTION REPORT
FORMER BALDWIN STEEL SITE (NJDEP SITE 090)
FORMER MI HOLDINGS SITE (NJDEP SITE 184)
FORMER MORRIS CANAL SITE (NJDEP SITE 153)
JERSEY CITY, NEW JERSEY

APPENDIX N

PERMITS

STUDY AREA 5 REMEDIAL ACTION REPORT

FORMER BALDWIN STEEL SITE (NJDEP SITE 090)

FORMER MI HOLDINGS SITE (NJDEP SITE 184)

PORTION OF FORMER MORRIS CANAL SITE (NJDEP SITE 153 NORTHERN SEGMENT)

JERSEY CITY, NEW JERSEY

#85-
ck#
623519

The rights accorded and obligations imposed by this permit are binding upon all successors in interest in the lot referenced below.

PERMITTOR: NEW JERSEY DEPARTMENT OF TRANSPORTATION
1035 Parkway Avenue
Trenton, NJ 08625

PERMITTEE: Honeywell International Inc
Maria Kaouris
121 Columbia Blvd
Morristown, NJ 07962

LOCATION: MUNICIPALITY: Jersey City

ROUTE: 440

BLOCK: 1289.5

LOT: E

RECEIVED
AUG 4 / 2010Regional Operations North
Permits Unit

PERMIT TYPE: Commercial Use

ACCESS TYPE: Minor

COUNTY: Hudson

DIRECTION: NB

MILEPOST: 22.50

CONTROL SECTION: 0915

The Permittee is hereby granted the right to construct, maintain, and use access connecting to a State highway under the terms and conditions of this permit and attached plan, which is made a part hereof entitled:

CALL BEFORE YOU DIG
1-800-272-1000
FOR UTILITY LOCATIONS.

This is for 1 driveway(s) which provides access to this site:

Description: Vacant Lot - Size: 14 Lot.

TRAFFIC VOLUMES: This permit is valid for two-way traffic volumes which follow. These traffic volumes are based upon the ITE (5th Edition) average trip generation or Land Use Code 000 or superseding rates adopted or approved by the Department. The actual traffic volumes generated by this lot for this use may differ from those listed. This permit addresses traffic which directly access the State highway.

| | | | | | | |
|-----------------------|-----|----|---------|----|-----|---------|
| PEAK HOUR VOLUME: | N/A | AM | N/A | PM | N/A | WEEKEND |
| DAILY TRAFFIC VOLUME: | N/A | | WEEKDAY | | N/A | WEEKEND |

A violation of this permit will occur if there is an expansion or change this use which will result in the traffic volumes exceeding one of the peak hour and one of the daily volumes listed below:

| | | | | | | |
|-----------------------|-----|----|---------|----|-----|---------|
| PEAK HOUR VOLUME: | 100 | AM | 100 | PM | 100 | WEEKEND |
| DAILY TRAFFIC VOLUME: | N/A | | WEEKDAY | | N/A | WEEKEND |

CONDITIONS: Additional conditions are attached hereto and incorporated herein.

Maria Kaouris

7/30/2010

Remediation Manager

** Honeywell International Inc

Date

Title

[] Power of Attorney (check here) Include copy of Department POWER OF ATTORNEY DECLARATION (Form MT-156)

(Do Not Write Below) DEPARTMENT USE ONLY

PREPARED AND
APPROVED BY:

Scott S. Sheldon for

Date: *09/08/10*

** John Gahwyler

** Reg. Maint. Engineer

**
**

Permit Expiration

This Permit shall expire if;

1. the Permittee violates any permit condition;
2. the Permittee:
 - A. changes the number of driveways,
 - B. changes the width of any driveway by more than 5 feet,
 - C. changes the location of any driveway by more than 10 feet,
 - D. locates any driveway within 12 feet of the extended property line,
 - E. locates any driveway within 24 feet of another driveway,
 - F. changes the materials which comprise the driveway;
3. the use of the lot served by the permit is expanded or changed resulting in a significant increase in traffic;
4. the lot covered by the permit is subdivided or consolidated with another lot;
5. work is not started within two years of the date this permit was issued unless stated otherwise in this permit.

When the construction work under this permit is started within two years of the date of permit issuance but cannot be completed in the indicated time, the permit shall expire or the Permittee shall request an extension of time in writing from the appropriate Regional Maintenance Office and submit the required renewal fee in the form of a check or money order. The Department may approve one one-year extension.

This permit is issued in accordance with the State Highway Access Code, and is based upon the information submitted by Permittee. Any changes in traffic volumes, drainage, type of traffic or other operational aspects may cause this permit to expire, requiring a new permit to be issued based upon existing conditions. This permit is only for the use and purpose stated in the application and permit.

Access Construction

All work shall be done to the satisfaction of the Department.

No work in connection with this permit shall be started until the permit is effective.

The Permittee shall notify the Department's Regional Permits Office at least 2 weeks prior to beginning any work authorized by this permit.

The Permittee shall complete the access in an expeditious and safe manner and according to the terms and conditions of this permit.

After the Permittee constructs the access and meets all conditions of the permit, the Permittee shall notify the Regional Maintenance Office, in writing. Within 30 calendar days of its receipt of the notice, the Regional Maintenance Office will notify the Permittee if any corrective action is required by the Permittee.

Permit Scope

This permit is for only the lot noted above. The Permittee is responsible for all traffic crossing the frontage of the lot regardless of the origin or

destination of the traffic. This includes all traffic crossing the lot frontage over an easement.

The Permittee agrees to comply with the rules and regulations of the New Jersey Department of Transportation as set forth in the State Highway Access Code, N.J.A.C. 16:47, and the conditions included on this permit. This permit is only for the use and purpose stated in the application and permit. In addition, the Permittee understands N.J.S.A. 27:7-44.1 makes any violation of the provisions of this permit subject to a fine (not exceeding \$100 per day) and civil action for the costs of prosecution as well as civil action for trespass to remove any access which does not meet these requirements.

This permit is granted subject to the covenants, premises, terms and conditions set forth herein and made a part of this revocable permission or privilege.

This permit cancels and supersedes any and all permits that may have been previously issued for this lot.

This permit does not relieve the Permittee from obtaining necessary permits from other agencies or governments.

All conditions of this permit are subject to modification by the Department to suit any unforeseen traffic and/or field conditions.

When work authorized herein is not performed in conformance with the required conditions of this permit, the Department may order the Permittee and his contractor to cease work and remove his equipment from Department right of way.

Access Maintenance

The Permittee may perform maintenance and in-kind replacement of the driveways.

Maintenance work may be done anytime within daylight hours as long as no interference to traffic is caused.

No changes or alterations to driveways may be made at any time without permission from the Department.

The Permittee shall be responsible for perpetual maintenance of curb and sidewalk and for landscape maintenance including irrigation, litter removal, weed control and mowing from edge of pavement to the right-of-way line.

Traffic Protection

Adequate advance warning for motorists approaching the construction site is required at all times during access construction, in conformance with the "NJDOT Standard Roadway Construction/Traffic Control/Bridge Construction Details" and the "Manual on Uniform Traffic Control Devices for Streets and Highways". This may include the use of signs, flashers, barricades, drums, and flaggers.

Permit Display

The Permittee shall make a copy of this permit available for review at the construction site.

Department Authority

The Department may revoke this permit; reconstruct, remove, or replace the access;

and then issue a new permit, all without cost to the lot owner.

Costs

The cost of construction work and material shall be entirely at the Permittee's expense. The Department will not share in any expense whatsoever or do any construction work pertaining to access driveways.

Protection From Suits

The Permittee shall defend, indemnify, protect and save harmless the State and its agents, servants, and employees from and against any and all suits, claims, losses, demands, or damages of whatever kind or nature arising out of or claimed to arise out of, any negligent act, error, or omission of the Permittee, its agents, servants, and employees in the performance of the work covered by this permit.

Protection of the General Public

The Permittee shall properly safeguard all work performed under this permit and when necessary, maintain sufficient warning lights, and Department approved signs and safety devices for the protection of the general public until all work has been completed.

Protection of Structures and Drainage

There shall be no interference with structures on, over, or under the highway. Interference with drainage installations shall be avoided. The existing cross section and drainage of the highway shall not be disturbed. The longitudinal flow of water along the gutter line shall not be interrupted. The Permittee is responsible to make adequate provision for all transverse, lateral, and longitudinal drainage affected by construction.

Curb Depressions

Where it is necessary to depress existing curbs for the purpose of constructing access, the full section of curb shall be entirely removed and a depressed curb constructed in accordance with Department and standards. The top of the depressed section shall be 1-1/2 inches higher than, and parallel to, the established gutter grade. The dimensions shall be 4" x 9" x 16" and the concrete proportions shall consist of one part Portland cement, one and three-fourths parts sand, and three and one-half parts crushed stone or washed gravel. Curved sections of existing curbs shall not be broken or depressed except under very exceptional conditions.

Depressed curb shall be constructed as a continuation of the concrete vertical curb. Driveway curb returns (radii) shall be separated from the highway curb by means of a piece of 1/2" thick preformed expansion joint filler butting to the back of the longitudinal curb.

All existing curb depressions other than those covered by this permit shall be closed by the construction of standard (9" x 16") white concrete vertical curb, in accordance with the Department's specifications and attached details.

Driveways

Driveways shall be constructed in accordance with locations, dimensions, and materials shown on the attached plans.

Parking

There shall be no parking on any unpaved portions of Department right of way.

Materials and Workmanship

Materials and workmanship used in construction within Department right of way shall be in accordance with the Department's Standard Specifications and are subject to inspection and approval of the Department. Where conditions warrant, the Department may assign an inspector to the project at the expense of the Permittee. The Department shall reserve the right to demand from the Permittee as a condition of this permit, a bond or certified check in an amount sufficient to guarantee or insure the proper maintenance or restoration of the area disturbed.

Traffic Signals

All equipment shall be installed in accordance with the Department Standards and Specifications under Department supervision. At the request of the Permittee, the Department may perform the signal modification. The cost of the signal modification work and all electrical equipment will be entirely at the Permittee's expense.

Any damages to Department traffic signal detection equipment or other electrical facilities will be repaired by the Department and the Permittee shall pay for the costs of the repairs.

Advertising Structures

Advertising signs shall not be erected on or overhang any portion of the Department right of way. Small signs with the message "Enter", "In", "Exit", "Out", designating access are permitted if shown on the attached plans. Signs shall be in accordance with all Department regulations including those for size, shape, color, and height.

Right of Entry

The Permittee authorizes Department representatives to enter upon the lot for the purpose of performing a site investigation. Furthermore, there are no objections in parking of a Department vehicle on the lot if necessary while taking field measurements and other data.

Landscape

Ground cover within Department right of way shall consist of topsoil, fertilizer, and seeding or topsoil and sodding. No shrubs, gravel, or railroad ties are permitted.

Curb

The Permittee shall remove all existing curb to the nearest expansion joint and replace it with new standard and depressed curb conforming to the approved plan. Curb, apron, gutter or sidewalk shall not be poured monolithically. Depressed curbing shall not be constructed as an integral part of concrete ramps.

When transition from 8" to 6" curb face is required, this will be accomplished within not less than 10', but not more than 20', as field conditions permit, or as directed by the permit inspector.

Curb, sidewalk, and other concrete facilities shall not be constructed within the Department right of way between November 1st and March 15th.

Sidewalk

When proposed sidewalk is to be placed adjacent to areas that have 8" curb face, the transition of the sidewalk will be at the same rate as the transition from the 8" to 6" curb face, or as directed by the permit inspector.

Sidewalk shall be Class B air entrained concrete, four inches thick, except at the driveway apron. This concrete shall be six inches thick on a properly prepared subbase and in accordance with Department specifications and the attached detail.

Sidewalk disturbed by work related to this permit shall be replaced to match the adjacent existing sidewalk in width and color, and shall be Class B concrete at a minimum of four inches thick.

Drainage

No additional surface water will be accepted on the Department right of way. Surface water shall continue to follow its existing flow pattern.

Pavement Excavations

Excavations within the existing roadway or shoulder shall be sawcut on a line parallel to the curb prior to final restoration.

Pavement Grades

Existing cross slopes and gutter grades shall be maintained except where specifically approved to be changed.

Pavement Surface

All bituminous surfaces disturbed during the construction of curb shall be restored to original conditions or better.

Snow

In the event of a snow alert, the Permittee shall be required to take whatever steps are necessary to secure the traveled way for snow removal operations.

Work hours

The Department may restrict the hours of work on or immediately adjacent to a State highway due to peak-hour traffic demands or other pertinent roadway operations.

The Permittee shall not interfere with the normal flow of traffic, reduce the number of traffic lanes, or change any traffic pattern prior to 9:00 AM or beyond 3:30 PM on weekdays and all day on weekends and holidays. If work is performed during other than the normal weekday working day (8 am to 4:30 pm), the Permittee shall deposit sufficient funds with the Department to pay all costs for the time that is required to be spent on the job by the Department's Permit Inspector.

Traffic Directors

Competent uniformed traffic directors shall be employed at every location where equipment is working immediately adjacent to, or is entering, leaving, or crossing active traffic lanes. Traffic directors shall be utilized while all such conditions exist. Uniformed trained traffic directors are to be provided, as required or requested by Department Representatives.

Curb Ramps

Access Points with radius curbing within an area which has existing or proposed sidewalks shall be constructed or reconstructed to provide ramps for the handicapped conforming the Department's standard detail CD-606-1.

Utilities

The Permittee shall reimburse the Department for all costs incurred for the relocation and/or replacement of its utility lines and equipment.

Safety

The Permittee shall provide sufficient advance warning signs, lights, cones, barricades, and other approved safety devices in accordance with "The Manual on Uniform Traffic Control Devices."

Two-way traffic shall be maintained at all times.

Not more than one-half of the State highway shall be occupied at any time.

No portion of trench over 2 inches in depth shall be left open overnight, on weekends, or holiday. Any trench or excavation within 30 feet of the traveled way shall have escape ramps at 6:1 slope provided overnight.

Uniformed trained traffic directors are to be provided, as required or requested by Department representatives.

Tree Removal

The Department has no objection to the removal of the tree(s) as shown on the plans at the Permittee's cost and expense.

Two-Year Restoration Guarantee

The Permittee will properly restore to the satisfaction of the Department any portion of the State highway which it may have disturbed, and will maintain it to the satisfaction of the Department from any settlement or depression resulting from this work for a period of one year after approval of such restoration by the Department. If settlement occurs during the one-year period of time the Department will require that the necessary restoration be made by the Permittee.

Trees

The Department will hold the Permittee responsible for a period of two years to guarantee the life of the trees which are encountered within the limits of construction. Any tree that is destroyed shall be replaced by type of species. The size of the tree will be determined by the Department landscape forces.

Maintenance of Access Points

The Permittee is responsible for maintenance of the access point to the longitudinal gutterline of the State highway.

Maintenance of Drainage Facilities

The Permittee shall maintain any drainage facilities outside the Department right of way.

Additional Traffic Safety Conditions

The Permittee will not be permitted to store material or park equipment within Department right of way or within 30 feet of the edge of the traveled way except as necessary during actual working operations and then only by permission of the Permit Inspector.

All work is subject to inspection by Department personnel to insure that adequate traffic protection devices are being used and are properly placed and maintained. If it is found that insufficient traffic protection is provided, the Permit Inspector will advise the Permittee of the deficiencies. If the deficiencies are not immediately corrected, the Permit Inspector will advise the Permittee that he is prohibited from further work within the Department's jurisdiction until such time as approved and adequate traffic protection is provided.

Trenches shall not be left open overnight. Steel plating shall not be utilized between November 1st and April 30, inclusive.

The Permittee shall contact all utilities for location and mark out.

Plan Errors

All work shall conform to the plans on file with the Department (if discrepancies arise, this permit shall take precedence over plans). The Department plan review is only for the general conformance with the Department design and Access Code requirements. The Department is not responsible for errors, omissions, or the accuracy adequacy of the design, of dimensions, and elevations which shall be confirmed and correlated at the site. The Department through the approval of the permit, assumes no responsibility other than stated above and completeness and/or accuracy of the plans.

Specifications

The work shall follow the applicable construction specifications set forth by the Department in the latest "Standard Specifications for Road and Bridge Construction", and the M.U.T.C.D.

Construction signs, when not in use, shall be covered as specified in the Standard Specifications.

Damages

Any damage to any present highway facilities shall be repaired immediately and prior to continuing other work. Any mud or other material tracked or otherwise deposited on the roadway shall be removed daily or as ordered by the Inspector.

Future Traffic Signal

If, at any time after the date of issuance of this permit, the Commissioner, in his sole discretion, determines that public safety or highway efficiency warrants the installation of a traffic signal at any access point that is the subject of the permit, the Permittee shall allow the placement of any component associated with such a traffic signal on the lot to which this permit pertains. If any such components are placed on the subject lot, the Permittee shall maintain its roadway pavement and property in a manner conducive with the satisfactory operation of the components and the signal.

Further, prior to the installation of any such signal, the Permittee shall enter into an agreement with the Department incorporating other conditions pertaining to the cost, installation, and maintenance.

Maintenance Guarantee

The Permittee shall provide a bond or certified check to New Jersey Department of Transportation in the amount of \$.00 to guarantee or to insure proper maintenance or restoration of the area disturbed by the Permittee for a period of one year after the Department's acceptance of the construction. If it becomes necessary for Department forces or contractors to make such repairs, for any reason, the cost of such work shall be borne by the Permittee.

Restoration Guarantee

A certified check, money order, or bond, in the amount of \$.00, shall be secured in the name of the New Jersey Department of Transportation to guarantee that all work (including restoration) will be in accordance with Department specifications. The Restoration Guarantee will be released upon the Department's acceptance of the construction.

Utility Poles

All utility poles shall be relocated behind the proposed curblane prior to the construction of new curb.

Traffic Stripe Removal

All traffic stripes to be removed or changed are to be removed by the grinding method only. Blacking out with paint is unacceptable.

Raised Pavement Marker

If traffic is diverted from normal travel lanes during the hours of darkness, raised pavement markers within the limits of the diversion shall be deactivated.

Additional Traffic Safety Conditions

The Permittee shall maintain the uninterrupted flow of traffic at all times and no operation which will interfere with traffic or restrict the available pavement width shall be performed. On roadway widths of 40 feet or greater, two lanes of traffic will be maintained at a minimum of 10 feet each.

On roadway widths of less than 40 feet, when construction work necessitates the closing of one lane of traffic, thereby causing vehicles travelling in both directions to alternately use one lane, the Permittee shall insure that said vehicles will be delayed for a period not to exceed five minutes.

The Permittee shall be responsible for maintaining approved construction warning signs in each direction of travel. All signs and other protective devices provided by the Permittee, unless otherwise directed by the permit inspector, shall comply with the requirements of the "Manual on Uniform Traffic Control Devices for Streets and Highways", published by U.S.D.O.T, Federal Highway Administration. Competent uniformed traffic directors shall be employed at every location where the Permittee's equipment is working immediately adjacent to, where entering, leaving or crossing active traffic lanes. The traffic directors shall be employed continuously for the full time such conditions exist. Should it become necessary to leave a project unfinished, it shall be protected during the hours of darkness by flashing warning lights to be maintained by the Permittee at

each location where it is necessary to warn oncoming traffic of any existing danger area. Lights shall also be used to define the edge of usable pavement throughout the construction area.

In addition, standard barricades or drums shall be utilized as required. When battery operated flashing warning lights are used, they shall conform to Department Standard Specifications. Inspection and cleaning shall be conducted daily to provide for optimum efficiency. When work is in progress during hours of darkness, special traffic protection precautions shall be in effect as deemed necessary by the permit inspector. In substance, the Permittee shall provide special signs approved by the permit inspector with a legend warning motorists that night work is in progress, and such shall be displayed in conjunction with high intensity flashing warning lights. Special signs applying only to night time work shall be covered during the daytime hours.

If future traffic volumes could warrant installing a traffic signal at an access point covered by this permit and signalized spacing requirements cannot be met, the Department may, at such time as future traffic volumes are reached, close the left-turn access in accordance with N.J.A.C. 16:47-4.33(b).

If an undivided highway becomes divided, the Department may at such time close the left-turn in accordance with N.J.A.C. 16:47-4.33(b).

ONE CALL REQUIREMENT

This permit is not valid until the confirmation number obtained from the one call system is supplied to the Regional Permits Office in accordance with P.L. 1994, Chapter 118, Item #11 of the Underground Facility Protection Act.

Application and plans dated received: June 7, 2010

Block 1289.5 Lot E
Route 440
Jersey City, Hudson County, State of New Jersey

Permit fee is \$85.00.



HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT

15 BLOOMFIELD AVENUE
NORTH CALDWELL, NJ 07006
Telephone: (973) 364-0786
Fax: (973) 364-0784
information@hepscd.org

July 23, 2010

Ms. Maria Kaouris
Honeywell International, Inc.
101 Columbia Rd.
Morristown, NJ 07962

RE: **SA-5 Sites 090/184 & 153 Remedial Action (Honeywell)**
Chapter 251 ID Code #: 210-H-2805 Blocks: 1286; 1286.5; 1289.5
***SCD Certification Code*: 3XQH25SIMG** Lots: 5, 6D; 1, 2; E
Acres of Soil Disturbance: 8.00

Dear Applicant:

Your proposed project requires a Stormwater Construction General Permit (5G3) pursuant to N.J.S.A. 4:24-39 et seq. Effective October 1, 2009, this permit should no longer be filed through the District office. As the applicant, you are now required to submit applications and payment electronically utilizing the NJDEP Stormwater Construction Activity E-Permitting System or via paper application to NJDEP Bureau of Permits Management. Paper forms can be downloaded at <http://www.nj.gov/dep/dwq/5g3.htm>.

In order to access the E-permitting system you must first become a registered user of NJDEP Online at <http://www.nj.gov/dep/online>. Once registered, the following information is required to complete the E-Permit, Stormwater Construction General Permit Request for Authorization (RFA).

1. The Application / Project name
2. The location of the site – Physical Address, NJ State Plane Coordinates, Block (s) and Lot(s)
3. Highlands Area Approval / Exemption (*if site is located within the Highlands*)
4. Contact information (*address, e-mail, and phone*) for – Fees / Billing contact, Owner, and Permittee
5. Chapter 251 ID Code and SCD Certification Code (*provided above**)
 - * These codes are unique to your stormwater RFA and Chapter 251 approval. Enter these codes in the E-permitting system, on the screen titled "SCD Certified Plan". The codes are case sensitive and each code may only be used once.
6. Area of land disturbance (*provided above*)
7. The date activity will commence
8. Identification number of all existing NJPDES permits for the facility
9. A project description and description of current land use
10. Certification PIN (*This PIN is generated and e-mailed to you when registering a NJDEP online account.*)
11. A method of payment – checking / savings account, voucher payment, credit card

If you have questions regarding this information or any other aspect of the E-Permitting system please contact Daniel Kuti, NJDEP Bureau of Nonpoint Pollution Control at (609) 633-7021 or via e-mail at PortalComments@dep.state.nj.us

Cc: Planner

STATE DEPARTMENT OF AGRICULTURE, STATE DEPARTMENT OF ENVIRONMENTAL PROTECTION,
AND UNITED STATES NATURAL RESOURCES CONSERVATION SERVICE, COOPERATING.
Printed on Recycled Paper



HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT

15 BLOOMFIELD AVENUE
NORTH CALDWELL, NJ 07006
Telephone: (973) 364-0786
Fax: (973) 364-0784
information@hepscd.org

July 23, 2010

Ms. Maria Kaouris
Honeywell International, Inc.
101 Columbia Rd.
Morristown, NJ 07962

Re: **SA-5 Sites 090/184 & 153 Remedial Action**
Route 440 & Carbon Pl, Jersey City, NJ
Block: 1286; 1286.5; 1289.5 Lot: 5,6D; 1,2; E
HEPSCD 251 ID Code #210-H-2805, Plan dated: 5/19/2010


Dear Sir/Madam:

The District has completed the review of the soil erosion and sediment control plan for the above referenced project and hereby reports that the plan meets the Standards for Soil Erosion and Sediment Control in New Jersey (N.J.A.C.290-1.1 et seq., promulgated pursuant to the New Jersey Soil Erosion and Sediment Control Act, N.J.S.A.4-24-39 et seq.). Accordingly, the plan is **certified** by the Hudson-Essex-Passaic Soil Conservation District subject to the following conditions:

- The District must be notified in writing 48 hours prior to the commencement of any construction activity.
- A copy of the certified plan must be kept on the job site at all times.
- The applicant or contractor must request a final inspection (once landscaping and final soil stabilization is complete) prior to seeking a temporary or permanent Certificate of Occupancy.
- The District must be provided with written notification of any conveyance of this project, subject property, or portions thereof, including individual residential lots if applicable. Said notice must provide the names, addresses, and telephone numbers of subsequent owners.
- The District must be informed of address and or telephone number changes of owners, agents responsible for site construction, and job supervisors.

Please be advised that the Soil Erosion and Sediment Control Act authorizes the issuance of stop construction orders and penalties of up to \$3000 per day for violations of the certified plan or for failure to comply with the aforementioned requirements. Please be further advised that any conveyance of this project or portions thereof will transfer full responsibility for compliance with the certified plan to subsequent owners. Please contact the District if you require assistance implementing the certified soil erosion and sediment control plan. This certification is valid for 3-1/2 years from the date of this letter and is limited to the controls specified in this plan. It is not authorization to engage in proposed land use unless such use has been previously approved by the municipality or other controlling agency.

Yours truly,


Carl Quazza
Chairman

Cc: Planner, Municipality, County

SCD cert code = 3XG H25 SIMG



For District Use Only

| | |
|--------------------|------------|
| Application Number | 210-H-2805 |
| Certified: | 7/23/2010 |
| | |
| | |

APPLICATION FOR SOIL EROSION AND SEDIMENT CONTROL PLAN CERTIFICATION

The enclosed soil erosion and sediment control plan and supporting information are submitted for certification pursuant to the Soil Erosion and Sediment Control Act, Chapter 251, P.L. 1975 as amended (NJSA 4:24-39 et. seq.) An application for certification of a soil erosion and sediment control plan shall include the items listed on the reverse side of this form.

| | | | |
|---|--|---|-----------------------|
| Name of Project SA-5 Sites 090/184 & 153 Remedial Action | | Project Location: Municipality Jersey City | |
| Project Street Address Route 440 and Carbon Place | | Block 1286, 1286.5, 1289.5 | Lot 5 & 6D, 1 & 2, E |
| Project Owner(s) Name Honeywell International Inc. | | Phone # 973-455-3302 Fax # 973-455-3082 | |
| Project Owner(s) Street Address (No P.O. Box Numbers) 101 Columbia Road | | City Morristown | State NJ Zip 07962 |
| Total Area of Project (Acres) 14 | Total Area of Land to be Disturbed (Acres) 8 | No. Dwelling or other Units NA | Fee \$ 1,850.00 |
| Plans Prepared by* Brent O'Dell (NJPE Lic.#GE 38017) MACTEC Engineering and Consulting, Inc. | | Phone # 609-689-2829 Fax # 609-689-2838 | |
| Street Address 200 American Metro Blvd, Suite 113 | | City Hamilton | State NJ Zip 08619 |

(Engineering related items of the Soil Erosion and Sediment Control Plan MUST be prepared by or under the direction of and be sealed by a Professional Engineer or Architect licensed in the State of New Jersey, in accordance with NJAC 13:27-6.1 et. seq.)

| | | | |
|---|----------|-----------|---------------------------------------|
| Agent Responsible During Construction Brent O'Dell, MACTEC Engineering and Consulting, Inc. | | | |
| Street Address 200 American Metro Blvd, Suite 113 | | | |
| City Hamilton | State NJ | Zip 08619 | Phone 609-689-2829 Fax # 609-689-2838 |

The applicant hereby certifies that all soil erosion and sediment control measures are designed in accordance with current Standards for Soil Erosion and Sediment Control in New Jersey and will be installed in accordance with those Standards and the plan as approved by the Soil Conservation District and agrees as follows:

- To notify the District in writing at least 48 hours in advance of any land disturbance activity. Failure to provide such notification may result in additional inspection fees.
- To allow District agents to go upon project lands for inspection.
- That any conveyance of this project or portion thereof prior to its completion will transfer full responsibility for compliance with the certified plan to any subsequent owners.
- To notify the District upon completion of the Project (Note: No certificate of occupancy can be granted until a report of compliance is issued by the District).
- To comply with all terms and conditions of this application and certified plan including payment of all fees prescribed by the district fee schedule hereby incorporated by reference.
- To maintain a copy of the certified plan on the project site during construction.

The applicant hereby acknowledges that structural measures contained in the Soil Erosion and Sediment Control Plan are reviewed for adequacy to reduce offsite soil erosion and sedimentation and not for adequacy of structural design. The applicant shall retain full responsibility for any damages which may result from any construction activity notwithstanding district certification of the subject soil erosion and sediment control plan. It is understood that approval of the plan submitted with this application shall be valid only for the duration of the initial project approval granted by the municipality. All municipal renewals of this project will require submission and approval by the district. In no case shall the approval extend beyond three and one half years at which time resubmission and certification will be required. Soil Erosion and Sediment Control Plan certification is limited to the controls specified in the plan. It is not authorization to engage in the proposed land use unless such use has been previously approved by the municipality or other controlling agency.

| | | | |
|---|--|--|--|
| 1. Applicant Certification* Signature <u>Maria Kaouris</u> Date <u>6/22/2010</u> Applicant Name (Print) <u>Maria Kaouris, Remediation Manager</u> | | 3. Plan determined complete: Signature of District Official <u>[Signature]</u> Date <u>7-23-10</u> | |
| 2. Receipt of fee, plan and supporting documents is hereby acknowledged: Signature of District Official <u>[Signature]</u> Date <u>6/25/10</u> | | 4. Plan certified, denied or other actions noted above. Special Remarks: <u>[Signature]</u> Date <u>7/23/2010</u> | |

*If other than project owner, written authorization of owner must be attached.

START NOTICE

HUDSON-ESSEX-PASSAIC SOIL CONSERVATION DISTRICT

THIS FORM IS TO BE SUBMITTED TO PROVIDE THE REQUIRED
48 HOUR ADVANCE NOTICE OF THE START OF SOIL DISTURBING
ACTIVITIES AND THE IMPLEMENTATION OF THE SOIL EROSION AND SEDIMENT
CONTROL PLAN

This project requires / does not require the NJDEP 5G3 (RFA) permit prior to groundbreaking.

PROJECT NAME: SA-5 SITES 090/184 & 153 REMEDIAL ACTION

HUDSON-ESSEX-PASSAIC SCD 251 ID #: 210-H-2805

PROJECT LOCATION: STREET ADDRESS: Route 440 & Carbon P1

MUNICIPALITY: Jersey City

PROJECT OWNER/APPLICANTS NAME: Honeywell International Inc./Maria Kaouris

ADDRESS: 101 Columbia Road, Morristown, NJ 07962

PHONE #: 973-455-3302 FAX: 973-455-3082

E-MAIL: CELL#

ON-SITE AGENT RESPONSIBLE DURING CONSTRUCTION or CONTRACTOR

NAME:

ADDRESS:

PHONE #: FAX

E-MAIL : CELL#

DATE TO START CONSTRUCTION(including DEMOLITION, CLEARING, LAND

GRADING):

This form must be provided to the District at least 48 hours in advance of any soil disturbing activity pertaining to a plan previously certified by this office. Failure to provide this notification is a violation of the New Jersey Soil Erosion and Sediment Control Act, ch.251, P.L. 1975, and may result in additional fees.

MAIL THIS NOTICE TO: HUDSON-ESSEX-PASSAIC SCD
15 BLOOMFIELD AVENUE
NORTH CALDWELL, NJ 07006

TELEPHONE: (973)364-0786 FAX: (973)364-0784 EMAIL: information@hepscd.org

Clean Job Site, Clean Water

Stormwater Construction Permit Site Controls

Proper management of a job site isn't just about scheduling contractors and implementing soil erosion and sediment controls. It's also your job to keep your site clean to prevent pollution from flowing into our water. This isn't just responsible management, it's the law. When you leave litter, construction materials or hazardous waste lying on the ground, rain and snow melt can carry it into storm drains and then into our lakes, streams and the ocean.

Each of us has a responsibility to make sure these contaminants stay out of our water.

Store fertilizers, pesticides, fuels, paints and other chemicals in covered containers. Store these containers in a dry, covered area such as a shed, trailer or garage.



Keep spill kits onsite to clean up any spills of hazardous substances such as chemicals, fuels, paints, cleaning solvents and acids, oil or antifreeze, and detergents.

Never discharge hazardous waste onto the ground or into storm drains.

New Jersey Department of
Environmental Protection



Provide adequate containers, such as roll-offs, for all construction waste, including wood scraps, drywall, tree parts, concrete, roofing materials, plastic, metal, and glass windows and doors.



Provide adequate disposal facilities for all workers' sanitary needs. Never discharge raw sewage onsite.

Provide adequate receptacles for the disposal of recyclable materials.

Maintain designated concrete washout areas that are properly lined, bermed and marked. Do not discharge directly onto the ground or into the water.

Remove and properly dispose of hardened concrete.

Conduct weekly site inspections to ensure your stormwater pollution prevention measures are in place and are being followed by all site workers.

Provide an adequate number of containers with lids for workers to deposit their litter.

Do not throw litter such as cups, cigarettes, grass clippings, paper or other garbage onto the ground. Use trash receptacles.

Questions? contact your local Soil Conservation District.






STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF LAND USE REGULATION
501 East State Street, Station Plaza 5, 2nd Floor
P.O. Box 439, Trenton, New Jersey 08625-0439
Fax: (609) 777-3656 or (609) 292-8115
www.state.nj.us/dep/landuse



PERMIT

| | | |
|--|--|--|
| In accordance with the laws and regulations of the State of New Jersey, the Department of Environmental Protection hereby grants this permit to perform the activities described below. This permit is revocable with due cause and is subject to the limitations, terms and conditions listed below and on the attached pages. For the purpose of this document, "permit" means "approval, certification, registration, authorization, waiver, etc." | | Approval Date AUG 17 2014 |
| | | Expiration Date AUG 17 2015 |
| Permit Number/s 0906-10-0003.2 FHA 100002 IP 0906-10-0003.2 FHA 100001 VER | Type of Approval/s Flood Hazard Area IP | Enabling Statute/s NJSA 13:1D-1 NJSA 58:10A-1 NJSA 58:16A-50, et. seq. |
| Applicant Honeywell International, Inc. 101 Columbia Road Morristown, NJ 07962 | | Owner (if different from applicant) New Jersey City University (NJCU) 2039 Kennedy Blvd Jersey City, NJ 07305 |
| Description of Authorized Activities and Limit of Disturbance This permit grants permission to conduct grading activities within the floodplain of the Hackensack River, in connection with site remediation activities, within Lot 5 and 6D of Block 1286; Lot 1 and 2 of Block 1286.5; and Lot E of Block 1289.5, in the City of Jersey City, Hudson County. In addition, this permit also includes a Verification for the establishment of the flood hazard area design flood elevation onsite as shown on the approved plans. | | |
| Project Location Lot 5 and 6D of Block 1286; Lot 1 and 2 of Block 1286.5; and Lot E of Block 1289.5 City of Jersey City, Hudson County | | Received by County Clerk |
| Project Manager's Signature  Chingwah Liang Telephone: (609) 777-0454 Email: chingwah.liang@dep.state.nj.us | | |
| This permit is not valid unless authorizing signature appears on the last page. | | |

STANDARD CONDITIONS:

1. **Acceptance of permit:** If you begin any activity approved by this permit, you thereby accept this document in its entirety and agree to adhere to all terms and conditions. If you do not accept or agree with this document in its entirety, **do not** begin construction. You are entitled to request an appeal within a limited time as detailed on the attached *Administrative Hearing Request Checklist and Tracking Form*. You may also contact the project manager shown on the first page if you have any questions or concerns about this document.
2. **Recording with County Clerk:** You must record this permit in the Office of the County Clerk for each county involved in this project. You must also mail or fax a copy of the front page of this permit to the Department showing the received stamp from each County Clerk within 30 days of the issuance date (or 90 days if multiple counties are involved). The Department's address and fax number are shown on the first page of this permit.
3. **Notice of Construction:** You must notify the Department in writing at least 7 days before you begin any work approved by this permit. The Department's address and fax number are shown on the first page of this permit. Please direct your letter to the project manager shown on the first page.
4. **Expiration date:** All activities authorized by this permit must be completed by the expiration date shown on the first page. At that time, this permit will automatically become invalid and none of the approved work may begin or continue until a replacement permit is granted. (Some coastal permits may qualify for an extension of the expiration date. Please contact the Department for further information.)
5. **Duty to comply:** The permittee, its contractors and subcontractors shall comply with all conditions of the permit, supporting documents and approved drawings. Any noncompliance with a permit constitutes a violation of this chapter, and is grounds for enforcement action pursuant to N.J.A.C. 7:13-19, as well as suspension and/or termination of the permit.
6. **Duty to reapply:** If the permittee wishes to continue an activity covered by the permit after the expiration date of the permit, the permittee must apply for and obtain a new permit.
7. **Duty to halt or reduce activity:** It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the permit.
8. **Duty to minimize environmental impacts:** The permittee shall take all reasonable steps to prevent, minimize or correct any adverse impact on the environment resulting from activities conducted pursuant to the permit, or from noncompliance with the permit.
9. **Proper operation and maintenance:** The permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used to achieve compliance with the permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. The operation of back-up or auxiliary facilities or similar systems is only required when necessary to achieve compliance with the permit. The permittee must also properly execute any approved mitigation compensation and/or restoration proposal designed to mitigate losses caused by the permitted activity. The permittee shall maintain the authorized work areas in good condition and in accordance with the permit.

10. **Proper oversight:** The permittee shall ensure that all approved activities are undertaken using the best management practices available under the supervision and direction of an engineer at all points necessary to ensure compliance with all permit conditions.
11. **Proper site maintenance:** While the regulated activities are being undertaken, neither the permittee nor its agents shall cause or permit any unreasonable interference with the free flow of a regulated water by placing or dumping any materials, equipment, debris or structures within or adjacent to the channel. Upon completion or abandonment of the work, the permittee and/or its agents shall remove and dispose of in a lawful manner all excess materials, debris, equipment, silt fences and other temporary soil erosion and sediment control devices from all regulated areas.
12. **Permit actions:** A permit can be revised, suspended or terminated for cause. The filing of a request by the permittee for a revision, or a notification of planned changes or anticipated noncompliance does not stay any condition of a permit.
13. **Property rights:** A permit does not convey any property rights of any sort, or any exclusive privilege.
14. **Duty to provide information:** A copy of the permit and other authorizing documents including all approved plans and drawings shall be maintained at the authorized site at all times and made available to Department representatives or their designated agents immediately upon request. The permittee shall also furnish to the Department within a reasonable time any information that the Department requests to determine compliance with a permit or to determine whether cause exists for suspension or termination of a permit. The permittee shall also furnish to the Department, upon request, copies of records required to be kept by the permit.
15. **Inspection and entry:** The permittee shall allow an authorized representative of the Department, at reasonable times and upon the presentation of credentials, to:
 - i. Enter upon the permittee's premises where a regulated activity is located or conducted, or where records must be kept under the conditions of the permit;
 - ii. Have access to and copy any records that must be kept under the conditions of the permit; and
 - iii. Inspect any facilities, equipment, practices or operations regulated or required under the permit. Failure to allow reasonable access under this section shall be considered a violation of this chapter and subject the permittee to enforcement action pursuant to N.J.A.C. 7:13-19.
16. **Reporting requirements:** The permittee shall provide reports to the Department as follows:
 - i. Planned changes: The permittee shall give notice to the Department prior to any planned physical alterations or additions to the permitted project or activity;
 - ii. Transfers: The permit is not transferable to any person unless the transfer is approved by the Department, pursuant to N.J.A.C. 7:13-14.1;

- iii. Noncompliance: The permittee shall immediately report to the Department by telephone at (877) 927-6337 any noncompliance that may endanger health or the environment. The permittee shall report all other noncompliance to the Division of Land Use Regulation by telephone at (609) 292-0060 within two business days of the time the permittee becomes aware of the noncompliance, and in writing within five business days of the time the permittee becomes aware of the noncompliance. The written notice shall include: a description of the noncompliance and its cause; the period of noncompliance, including exact dates and times, and, if the noncompliance has not been corrected, the anticipated length of time it is expected to continue; and steps taken or planned to reduce, eliminate and prevent recurrence of the noncompliance. Such notice shall not, however, serve as a defense to enforcement action if the project is found to be in violation of this chapter; and
 - iv. Other information: Where the permittee becomes aware that it failed to submit any relevant facts in an application, or submitted incorrect information in an application or in any report to the Department, it shall promptly submit such facts or information.
17. **Other responsibilities:** You must obtain all necessary local, Federal and other State approvals before you begin work. All work must be stabilized in accordance with the *Standards for Soil Erosion and Sediment Control in New Jersey*, and all fill material must be free of toxic pollutants in toxic amounts as defined in section 307 of the Federal Act.

SPECIAL CONDITIONS IN ADDITION TO THE STANDARD CONDITIONS:


- 18. All excavated material and dredged spoils must be disposed of in a lawful manner outside of any regulated flood plain, open water, freshwater wetlands or adjacent transition areas, and in such a way as to not interfere with the positive drainage of the receiving area.
- 19. All sediment barriers and other soil erosion control measures shall be installed prior to commencing any clearing, grading or construction onsite, and shall be maintained in proper working condition throughout the entire duration of the project.
- 20. This project has not been reviewed for consistency with the applicable Areawide Water Quality Management Plan or the Statewide Water Quality Management Planning Rules at N.J.A.C 7:15. As such, this authorization shall not be construed as any type of consistency determination for any sewage generating structures on the project site. There shall be no development unless and until the proposed sewage generating structures have been found to be consistent with the appropriate Areawide Water Quality Management Plan. For information regarding the water quality planning process, please contact the Department's Division of Watershed Management at (609) 984-6888.
- 21. The Department has determined that this project meets the requirements of the Stormwater Management rules at N.J.A.C. 7:8.
- 22. Prior to the start of any construction onsite, the permittee must obtain permission from the property owner of the lot upon which the permanent groundwater treatment facility is to be constructed.

23. Provisions of the Flood Hazard Area Verification

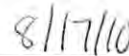
This portion of the permit verifies the flood hazard area design flood elevation of 10.1 feet NGVD 29, onsite as shown on the approved plans. The Department has also determined that there is no floodway or riparian zone on this site. Please note that the 100yr elevation, as shown on the FEMA map, at the southeasterly portion of the property is quoted as 15 feet NAVD 88. Since this floodplain is not directly connected to the Hackensack River, it has been determined by the Department that said area is not a regulated floodplain under the Flood Hazard Area Control Act Rules.

24. The drawing hereby approved is one sheet, prepared by MACTEC, dated June 10, 2010, last revised August 12, 2010, unless otherwise noted, entitled:

“FINAL DESIGN, STUDY AREA 5 – SITE 090, 184 AND 153, JERSEY CITY, NEW JERSEY, HONEYWELL SITE ID – 37288, 37811 & 37460, CIVIL, POST CHROMIUM REMEDIATION, GRADING AND DRAINAGE PLAN”, dwg. C-109



Peter DeMeo
Supervisor
Bureau of Urban Growth and Redevelopment



Date



engineering and constructing a better tomorrow

June 27, 2011

Mr. Peter DeMeo
NJDEP Division of Land Use Regulations
501 East State Street, Station Plaza Five, 2nd Floor
Trenton, New Jersey 08609

Subject: Flood Hazard Area (FHA) Verification and Individual Permit Closeout
Remedial Action - Study Area 5 (SA-5), New Jersey City University (NJCU)
Sites 090, 184, and Portion of Site 153
Block 1286, Lots 5 & 6D; Block 1286.5 Lots 1 & 2; Block 1289, Lot E
Jersey City, Hudson County, New Jersey

Dear Mr. DeMeo:

On behalf of Honeywell International Inc. (Honeywell), Mactec Engineering and Consulting, Inc. (Mactec) herewith submits this notification letter to inform you of the upcoming completion of the Remedial Action (RA) implementation for the above referenced NJCU site in Jersey City, New Jersey. The approximate demobilization date for completion of RA activities is June 30, 2011.

Honeywell further requests that the approved FHA permit (Permit No. 0906-10-0003.2 FHA 100002 IP, 0906-10-0003.2 FHA 100001 VER) for this site be closed as of June 30, 2011. There will be future permit activities conducted at the site by NJCU, which are separate from the permit identified above. Honeywell has no involvement in future redevelopment activities at the site.

If you have question concerning the subject matter, you may contact either of the undersigned at 609-689-2829.

Sincerely,

Mactec Engineering & Consulting, Inc.

A handwritten signature in black ink, appearing to read "Brent O'Dell", written over a circular stamp.

Brent O'Dell, P.E., DEE
Senior Principal Engineer

A handwritten signature in black ink, appearing to read "K. C. Shah", written over a circular stamp.

Kinjal Shah, E.I.T
Senior Engineer

Cc: Maria Kaouris, Honeywell.
Bill Hague, Honeywell
John J. Morris, Honeywell
Joe Clifford, Mactec
Bruce J. Terris - Terris, Pravlik & Millian, LLP

Carolyn Smith Pravlik - Terris, Pravlik & Millian, LLP
Kathleen L. Millian - Terris, Pravlik & Millian, LLP
Bruce Bell-Carpenter Environmental Associates
Tom Byrne-Honeywell
Michael Daneker-Arnold & Porter, LLP
Steve Gallo-BMUA
Donna Russo - McManimon & Scotland LLC
Kim Hosea-Carpenter Environmental Associates
Jeremy Karpatkin-Arnold & Porter, LLP
Kathy Monteiro-NJCU
Aaron Aska - NJCU
John Morris-Honeywell
William Fellenberg-NJCU
John Rolak-Hatch Mott MacDonald
Ben Ross-Disposal Safety, Inc.
Robert A. Wayne, Esq.-LeClair Ryan , LLC



State of New Jersey

DEPARTMENT OF ENVIRONMENTAL PROTECTION
Municipal Finance and Construction Element
Division of Water Quality
P.O. Box 425
Trenton, New Jersey 08625
Fax: (609) 633-8165
www.state.nj.us/dep/dwq

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

BOB MARTIN
Commissioner

SEP 10 2010

Honeywell International
101 Columbia Rd.
Morristown, NJ 07962

Re: Treatment Works Approval No. 10-0164
NJCU SA-5
Jersey City, Hudson County

Gentlemen:

There is enclosed a Treatment Works Approval issued to you pursuant to Title 58 of the Revised Statutes of New Jersey and in consideration of your application received on 06/09/2010 signed by Maria Kaouris, Remediation Mgr., and Brent O'Dell, P.E.

This approval is valid for a period of two (2) years from the issuance date, unless otherwise stated in the attached approval document. This approval shall expire unless building, installing or modifying of the treatment works has begun within the initial approval period. Treatment works approvals may be extended beyond the original two year approval date, to a maximum period of five years from the original issuance date, in accordance with the terms and conditions contained in N.J.A.C. 7:14A-22.12. A time extension request must be received by the Department prior to the permit's expiration date. Time extension requests shall be submitted to the Bureau of Financing and Construction Permits at the address noted in the heading of this letter.

If you have any questions regarding the permit, please contact Sharad Pandya of this office by calling (609) 292-5563.

Sincerely,

James Pontoriero, Supervising Engineer
Bureau of Financing and Construction Permits

10-0164

Enclosure

cc: Passaic Valley Sewerage Commissioners
Jersey City Municipal Utilities Authority
MACTEC Engineering And Consulting, Inc.

Let's protect our earth



STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
P.O. Box 402, TRENTON, NJ 08625-0402

PERMIT TO CONSTRUCT AND OPERATE* TREATMENT WORKS

**Local Agency approval required prior to operation*

The New Jersey Department of Environmental Protection grants this approval in accordance with your application, attachments accompanying same application, and applicable laws and regulation.

| PERMIT NO. | ISSUANCE DATE | EXPIRATION DATE | DESIGN FLOW |
|------------|---------------|-----------------|--------------|
| 10-0164 | 09/09/2010 | 09/10/2012 | .1728 M.G.D. |

NAME AND ADDRESS OF APPLICANT

Honeywell International
101 Columbia Rd.
Morristown NJ 07962

LOCATION OF ACTIVITY

Jersey City
Hudson County

This permit grants permission to:

Construct and operate 480 LF of 6" HDPE force main along with a 600 GPM effluent pump to handle/convey the extracted groundwater to remediate Study Area 5, consisting of Sites 090, 184 (NJCU Property), and portion of Site 153, located at Route 440 and Carbon Place in Jersey City, Hudson County, New Jersey. Construction water generated during the remediation will be pumped to a temporary storage tank for subsequent on site treatment and discharge into an existing JCMUA conveying system to be finally treated at PVSC wastewater treatment plant.

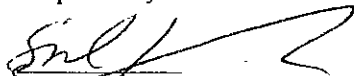
According to the plans entitled:

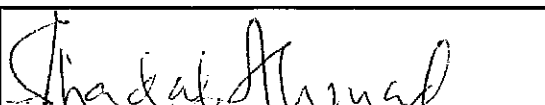
Temporary Construction, Ground Water Treatment, Final Design, Study Area 5 - Site 090, 184 & 153, Jersey City, New Jersey, Honeywell Site ID - 37288, 37811 & 37460. Submitted one drawing, sheet # C-101, dated February 02, 2008, last revised April 23, 2010, prepared by MACTEC Engineering and Consulting, Inc.

and according to the specifications entitled:

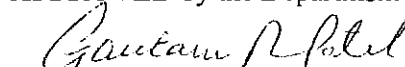
Construction Specification List, Study Area (SA-5) Remediation, NJCU Property, Jersey City, Hudson County, signed and sealed on June 08/2010 by Brent O'Dell, P.E., of Mactec Engineering and Consulting, Inc.

Prepared by


Sharad Pandya


Shadab Ahmad, P.E., Section Chief

APPROVED by the Department of Environmental Protection



Gautam R. Patel, Chief
Bureau of Financing and Construction Permits

This permit is also subject to special provisos and general conditions stipulated on the attached pages which are agreed to by the permittee upon acceptance of the permit.

PART I

PROVISOS

A. Project Specific Provisos

1. That pursuant to N.J.A.C. 7:10A-1 et. seq., an appropriate public wastewater collection system licensed operator will be required for your system.
2. That the proper operation and maintenance of the sewer system approved herein is the sole responsibility of the OWNER AND OR APPLICANT named herein or its assignees.
3. That the owner and/or applicant shall be responsible for maintaining the sewer line i.e. 6" HDPE force main from Gould Model 3196 pump or equal to existing manhole number 87, which may have less than three feet of cover, so as to ensure that the integrity of the line is maintained and to prevent freezing conditions which may result from inadequate cover.
4. That no unpermitted discharge of raw sewage and/or untreated wastewater is to occur as a result of the construction approved herein.
5. That the owner and/or applicant shall be responsible for ensuring that operational and/or odor problems do not occur at the pump station and force main during the initial stages of development when low sewage flows will be generated.

B. Custom Requirement

1. It is the applicant's responsibility to obtain all Federal, State and local approvals that may be required for this project.

GENERAL CONDITIONS FOR TREATMENT WORKS APPROVALS**Section A. GENERAL CONDITIONS**

1. This permit is revocable, or subject to modification or change, at any time, when in the judgement of the Department of Environmental Protection of the State of New Jersey such revocation, modification or change shall be necessary.
2. The issuance of this permit shall not be deemed to affect in any way action by the Department of Environmental Protection of the State of New Jersey on any future application.
3. The works, facilities, and/or activities shown by plans and/or other engineering data, which are this day approved, subject to the conditions herewith established, shall be constructed and/or executed in conformity with such plans and/or engineering data and the said conditions.
4. No change in plans or specifications shall be made except with the prior written permission of the Department of Environmental Protection of the State of New Jersey.
5. The granting of this permit shall not be construed to in any way affect the title or ownership of property, and shall not make the Department of Environmental Protection or the State a party in any suit or question of property.
6. This permit does not waive the obtaining of Federal or other State or local government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained.
7. A copy of this permit shall be kept at the work site, and shall be exhibited upon request of any person.
8. No treatment unit or conveyance system may be by-passed which would result in the discharge of untreated sewage into any of the waters of the state.
9. The full responsibility for adequate design, construction and operation of the treatment works, and the full responsibility for successful collection, treatment, and discharge of pollutants shall be on the applicant.
10. The issuance of approval by the Department shall not relieve the applicant of the continuing responsibility for the successful collection, treatment, or discharge of pollutants for the continuing compliance with any applicable effluent limitations, permits, regulations, statute, or other law.
11. Review and approval is based solely upon the information contained in the application and the contents of the engineer's report as certified by the licensed professional engineer as being in compliance with the Department's Rules and Regulations.

Section B. CONSTRUCTION COMPLETION CERTIFICATION

1. Within 30 days of completion of the treatment works approved herein, the permittee shall submit two executed forms, WQM005 Certification of Approval, to the appropriate sewage treatment plant (STP) for their approval prior to operation. One executed copy approved by the receiving STP shall be forwarded to the appropriate Bureau and address noted on the cover page of this approval. Failure to submit the certification within 30 days of completion of the project may be grounds for revocation of the permit. Should partial operation be required prior to completion, approval will be under local jurisdiction.
2. In cases where the project and the receiving treatment facility are one in the same, the WQM005 Certification of Approval form must be submitted to the Bureau and address noted on the cover page of this approval within 30 days of completion of the treatment works. Failure to submit the certification within this time period may be grounds for revocation of the permit.

Section C. PERMIT EXPIRATION AND EXTENSIONS OF TIME

1. This permit shall remain in force for a period of only two years from the date of approval unless stated otherwise within the special provisos, or construction of said works has begun within the approved time frame. Interruption of construction of said works for a period of more than two years may serve as a basis for permit revocation.
2. Treatment works approvals may be extended beyond the original two year approval date, to a maximum of five years from the original issuance date, in accordance with the terms and conditions in N.J.A.C. 7:14A-22.12, unless stated otherwise within the special provisos. A time extension request must be received by the Department prior to the permit's expiration date. Requests must be submitted to the Bureau and address noted on the cover page.

Section D. ADJUDICATORY HEARING REQUESTS

1. Pursuant to N.J.A.C. 7:1C-1.9 et seq., any interested person who considers himself or herself aggrieved by this action, may, within 10 days of publication of notice of the decision in the DEP Bulletin, request a hearing by addressing a written request for such hearing to the:

Office of Legal Affairs
Attention: Adjudicatory Hearing Requests
Department of Environmental Protection
P.O. Box 402
Trenton, NJ 08625-0402

Such a request should include a completed Administrative Hearing Request Checklist and Tracking form for Approvals or Denials (enclosed herein for Denials). This form is required, as DEP is the transmitting agency to the Office of Administrative Law, pursuant to N.J.A.C. 1:1-8.2.



engineering and constructing a better tomorrow

VIA EXPRESS MAIL

3480060208

October 26, 2010

NJDEP, Division of Water Quality
Bureau of Permit Management
401 East State Street, 3rd Floor East Wing
P.O. Box 029
Trenton, NJ 08625-0029

Attn: James Pontoriero, Supervising Engineer (TWA Program)

**Re: Treatment Works Approval (TWA) No. 10-0164
Remedial Action - Study Area 5 (SA-5), New Jersey City University (NJCU)
Sites 090, 184, and Portion of Site 153
Block 1286, Lots 5 & 6D; Block 1286.5 Lots 1 & 2; Block 1289.5, Lot E
Jersey City, Hudson County, New Jersey**

Dear Mr. Pontoriero:

Please be advised that the discharge location for the treated wastewater from the temporary wastewater treatment plant has been changed from MH-103 to MH-112 which is approximately 420 linear feet down gradient of the approved discharge point MH-103 on Carbon Place.

Please note that this change will not affect any aspects of the approved permit and that the same flow will be maintained.

Please contact Brent O'Dell at (609) 631-2915 if you have any questions or require further information.

Sincerely,

Mactec Engineering & Consulting, Inc.

Brent O'Dell, P.E., DEE
Senior Principal Engineer

Kinjal Shah, E.I.T.
Senior Engineer

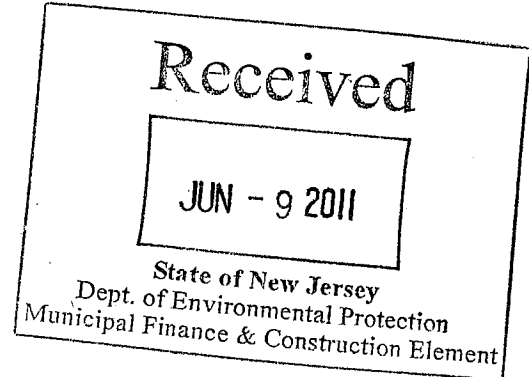
cc: Maria Kaouris, Honeywell,
John Morris, Honeywell,
J. Clifford, MACTEC
G. Shallard, MACTEC



engineering and constructing a better tomorrow

June 9, 2011

Mr. John Maselli, TWA Program
NJDEP, Division of Water Quality
Municipal Finance and Construction Element
401 East State Street, 3rd Floor East Wing
P.O. Box 420
Trenton, NJ 08625-0420



Subject: Treatment Works Approval (TWA) permit application for permanent groundwater treatment system
Discharge of treated groundwater to manhole 5-1
Remedial Action - New Jersey City University (NJCU) West Campus
Block 1286, Lots 5&6D; Block 1286.5 Lots 1; Portion of Block 1285.5, Lot 1 to be subdivided
Jersey City, Hudson County, New Jersey

Dear Mr. Maselli,

Mactec Engineering and Consulting, Inc. (Mactec), on behalf of Honeywell International Inc. (Honeywell), is submitting a permit application for a permanent groundwater treatment system at the NJCU West Campus Site following the completion of the soils remedial action for chromium which is currently being implemented by Honeywell at that Site. The NJCU Site is part of NJDEP Study Area 5 and consists of Sites 090 and 184 (NJCU Property) and a portion of Site 153 (Former Morris Canal). The groundwater treatment system will consist of sump trenches located on Site 090 and a filtration system located on a portion of Site 117 that is being purchased by Honeywell from Jersey City Fields, LLC. The block and lots involving this system have the following addresses:

1. 500 Route 440, Jersey City, NJ (Block 1286, Lot 5&6D) – Site 090
2. Route 440 State Hwy, Jersey City, NJ (Block 1286.5, Lot 1) – Site 090
3. 440 Route 440 State Hwy, Jersey City, NJ (Block 1285.5, Lot 1) – Site 117

The permanent groundwater treatment system is expected to operate on a contingent basis (as needed) based on a combination of groundwater quality and hydraulic criteria. Parameters critical to the system will be collected after the completion of the soils remedy. Groundwater modeling conducted for the Site indicates a flow at a maximum rate of 6 gallons per minute (8,640 gallons per day). The groundwater modeling report serving as the basis of Mactec's flow estimate is provided as an attachment to the Engineer's Report. The treated water will be discharged to an existing combined sewer system operated by Jersey City Municipal Utilities Authority (JCMUA) discharging to a Publicly Owned Treatment Works (POTW) owned and operated by Passaic Valley Sewerage Commissioners (PVSC). Appropriate notification to PVSC will be made prior to commencing any discharge. To comply with the requirements of New Jersey Administrative Code (N.J.A.C.) 7:14A-22, a TWA permit is required for conveyance of flow rate greater than 8,000 gallons per day (gpd).

The enclosed TWA application includes the following:

- Application Form TWA-1
- Engineer's Report Form WQM-006

- Consent Form WQM-003 (unsigned copy)
- Application fee Check for \$850
- Construction Cost Estimate
- Copies of Receipt of Public Notifications
- USGS Quadrangle Map
- Final Plans and Profile
- Construction Specifications

This TWA application is being submitted in order to obtain approval of the installation of a pump system and construction of discharge piping (forcemain) associated with the conveyance of treated groundwater to the existing manhole 5-1 which conveys flow into the JCMUA combined sewer system on Carbon Place. The treatment system will consist of the following units:

- Vault to house treatment system
- Pumps and piping to process water through the bag filter system
- Bag filter system
- Badger non-resettable flow meter

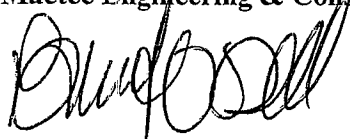
Please note that the WQM-003 form will be submitted to you as soon as it is issued by the JCMUA and PVSC. Meanwhile, we have included an unsigned copy of the WQM-003 form in the TWA application package for your reference. A copy of the TWA application is also submitted to JCMUA and PVSC as part of its approval of the WQM-003 form.

On behalf of Honeywell, we have also submitted an application to PVSC for Letter of Authorization to discharge the treated groundwater to its system.

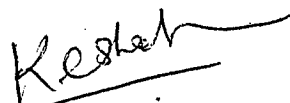
We would greatly appreciate if NJDEP may be able to initiate its technical review of this application pending the issuance of the WQM-003 form. This would be very helpful in enabling us to meet the planned construction schedule. If you have question concerning the subject matter, please contact either of the undersigned at 609-689-2829.

Sincerely,

Mactec Engineering & Consulting, Inc.



Brent O'Dell, P.E., DEE
Senior Principal Engineer



Kinjal Shah, E.I.T.
Senior Engineer

cc: William Hague –Honeywell (electronic copy, w/o encl.)
Maria Kaouris – Honeywell
John Mojka – Honeywell
Steven Fields – Jersey City Fields, LLC
Joe Clifford – Mactec



JERSEY CITY MUNICIPAL UTILITIES AUTHORITY

555 ROUTE #440 · JERSEY CITY, NEW JERSEY 07305 · TEL: (201) 432-1150 · FAX: (201) 432-1576

DANIEL F. BECHT, ESQ.
EXECUTIVE DIRECTOR

JOHN D. FOLK, C.P.A.
DIRECTOR OF FINANCE

BOARD OF COMMISSIONERS

EILEEN GAUGHAN
CHAIRPERSON

DONALD BROWN
VICE CHAIRPERSON

WILLIAM MACCHI
SECRETARY

LEWIS W. MATTHIAS
TREASURER

WILLIAM CHOPEK, JR.
COMMISSIONER

September 27, 2010

Mactec
511 Congress Street
Portland, ME 04112

Attn Samuel G. Shallard

**RE: GROUNDWATER DISCHARGE CONNECTION
STUDY AREA 5, SITES 090, 184 AND 163
HOME DEPOT SEWER CONNECTION RELOCATION
JCMUA PROJECT No. 2010-2558**

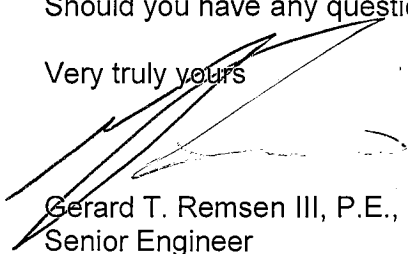
Dear Mr. Shallard:

The Jersey City Municipal Utilities Authority (JCMUA) has reviewed the plans for the proposed relocation of the Home Depot Sewer Connection and has no further comments, as per JCMUA Sewer Connections Rules there are no fees due for the following reasons.

1. Home Depot Sewer connection is a relocation of an existing permitted service
2. The Groundwater Treatment plant discharge will be for less than 1 year.
3. The Groundwater treatment Plant discharge will be metered and billed based on actual flow meter readings.

Should you have any questions please contact this office.

Very truly yours


Gerard T. Remsen III, P.E., C.M.E.
Senior Engineer

GTR

Cc: Daniel F. Becht, Esq. – Executive Director
Richard J. Haytas, Acting Senior Engineer
Chris Piersa, P.E. – Principle Engineer
Rajiv Prakash, P.E. – Staff Engineer
Chuck Lee, P.E. – Municipal Engineer
Raymond Meyers – Building Code Official
Joseph Mazzone – Plumbing Code Official
Carl Czaplicki – Director, HEDC
William Hague – Honeywell



JERSEY CITY MUNICIPAL UTILITIES AUTHORITY

555 ROUTE #440 · JERSEY CITY, NEW JERSEY 07305 · TEL: (201) 432-1150 · FAX: (201) 432-1576

DANIEL F. BECHT, ESQ.
EXECUTIVE DIRECTOR

JOHN D. FOLK, C.P.A.
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BOARD OF COMMISSIONERS

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SECRETARY

LEWIS W. MATTHIAS
TREASURER

WILLIAM CHOPEK, JR.
COMMISSIONER

September 27, 2010

Mactec
511 Congress Street
Portland, ME 04112

Attn Samuel G. Shallard

**RE: GROUNDWATER DISCHARGE CONNECTION
STUDY AREA 5, SITES 090, 184 AND 163
HOME DEPOT SEWER CONNECTION RELOCATION
JCMUA PROJECT No. 2010-2558**

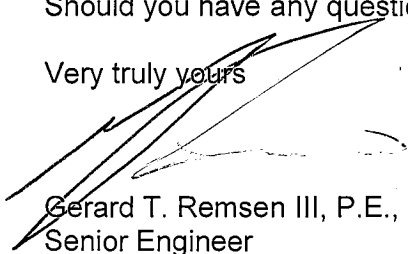
Dear Mr. Shallard:

The Jersey City Municipal Utilities Authority (JCMUA) has reviewed the plans for the proposed relocation of the Home Depot Sewer Connection and has no further comments, as per JCMUA Sewer Connections Rules there are no fees due for the following reasons.

1. Home Depot Sewer connection is a relocation of an existing permitted service
2. The Groundwater Treatment plant discharge will be for less than 1 year.
3. The Groundwater treatment Plant discharge will be metered and billed based on actual flow meter readings.

Should you have any questions please contact this office.

Very truly yours


Gerard T. Remsen III, P.E., C.M.E.
Senior Engineer

GTR

Cc: Daniel F. Becht, Esq. – Executive Director
Richard J. Haytas, Acting Senior Engineer
Chris Piersa, P.E. – Principle Engineer
Rajiv Prakash, P.E. – Staff Engineer
Chuck Lee, P.E. – Municipal Engineer
Raymond Meyers – Building Code Official
Joseph Mazzone – Plumbing Code Official
Carl Czaplicki – Director, HEDC
William Hague – Honeywell

REC'D SEP 26 2011

KENNETH J. LUCIANIN
Commissioner

THOMAS F. FLANAGAN
Acting Clerk



Passaic Valley
Sewerage Commissioners

~Established 1902~

600 Wilson Avenue,
Newark, New Jersey 07105
(973) 344-1800
(973) 344-2951 • fax
www.pvsc.com

WAYNE J. FORREST
Executive Director

GREGORY A. TRAMONTOZZI
General Counsel

Industrial Department
Fax Number: (973) 344-4876
September 22, 2011

Honeywell International Inc.
101 Columbia Road
Morristown, NJ 07962
Attn: Maria Kaouris

RE: PERMIT # 31630007

Dear Ms. Kaouris:

Enclosed is your Temporary Sewer Use Permit (SUP) effective 10/01/2011 for the facility located at NJCU West Campus, Jersey City, New Jersey. This temporary permit will stay in effect until the Passaic Valley Sewerage Commissioners issues your final SUP.

Under a separate cover, PVSC will send out a Sewer Use Application. Once this application has been received and deemed complete by PVSC, then the final permitting process will commence. If you have any questions, you may contact Laura Marchitto at (973) 817-5905.

Very truly yours,
PASSAIC VALLEY SEWERAGE COMMISSIONERS

Andrew Caltagirone
Manager of Industrial & Pollution Control

AC/rl

c: Wayne J. Forrest, Executive Director
Laura Marchitto, Operations Coordinator
City of Jersey City

PASSAIC VALLEY SEWERAGE COMMISSIONERS

TEMPORARY SEWER USE PERMIT

Permit #

31630007

(Please use the Permit Number on any correspondence with PVSC)

In compliance with the provisions of the Federal Water Pollution Control Act, its amendments, the Clean Water Act and Rules and Regulations of the Passaic Valley Sewerage Commissioners

HONEYWELL INTERNATIONAL INCORPORATED

(herein, after referred to as the Permittee)

is authorized to discharge from a facility located at

NJCU WEST CAMPUS

JERSEY CITY, NEW JERSEY 07305

to the Passaic Valley Sewerage Commissioners Treatment Works in accordance with discharge limitations, monitoring requirements and other conditions set forth herein.

EFFECTIVE DATE

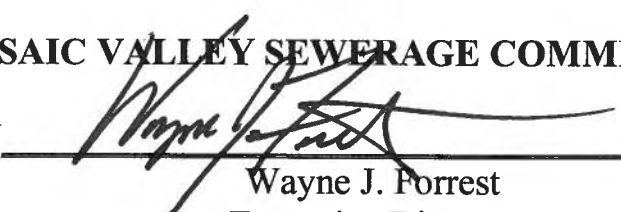
10/01/2011

EXPIRATION DATE

Upon Issuance of
Final Sewer Use
Permit

PASSAIC VALLEY SEWERAGE COMMISSIONERS

BY


Wayne J. Forrest
Executive Director

SECTION A
CONDITION SPECIFIC TO THIS PERMIT

1. Sampling

- 1.1 Samples and measurements taken as required under this permit shall be representative of the monitored activity. All samples shall be taken at the monitoring points approved by the PVSC and specified in this permit. Unless other wise specified, all samples shall be drawn by a 24-hour composite sampler acceptable to the PVSC which shall be equipped with attachments appropriate for affixing seals. During and after collection, the sample shall be maintained between 1°C – 4°C.
- 1.2 In addition to the other sample requirements set forth in SECTION A, PART 2 of this permit, the Permittee shall comply with the following:
- (a) Samples that are taken for heavy metal analysis must be drawn by an automatic 24-hour composite sampler. A grab sample is not acceptable for metals compliance determination.

**PASSAIC VALLEY SEWERAGE COMMISSIONERS
600 WILSON AVENUE
NEWARK, NEW JERSEY 07105**

SIU FACT SHEET

Temporary Sewer Use Permit to discharge into Passaic Valley Treatment Plant

| NAME & ADDRESS OF APPLICANT | NAME AND ADDRESS OF FACILITY WHERE DISCHARGE OCCURS |
|---|--|
| Honeywell International Incorporated 101 Columbia Road Nichols 3 Morristown, New Jersey 07962 | Honeywell International Incorporated NJCU West Campus Site 090 and Site 117 Jersey City, New Jersey 07305 |

Description of Facility Operations: Groundwater discharger

Million Gallons per Day (MGD) Industrial Wastewater: Approx. - 0.008 MGD

Number of Outlets: **Industrial** – 1-This outlet is used for compliance
Sanitary - 0

Sample Point Location: Sample point is located immediately downstream of the flow meter on the effluent pipe located east of the permanent groundwater treatment system adjacent to Route 440 on the south western corner of the site.

Basis for Permit Conditions: Groundwater

Type of Pretreatment Equipment Installed: Bag Filtration

Duration of Sewer Use Permit: 5 Years

Special Conditions or Remarks: This Temporary Sewer Use Permit will be valid until a final Sewer Use Permit is issue. This company is covered under PVSC Local Limits.

2. MONITORING REQUIREMENTS AND DISCHARGE LIMITATIONS

- (a) Beginning (10/012011) and lasting through (Upon Issuance of Final Sewer Use Permit) the Permittee is authorized to discharge from outlet # (31630007-1). Such discharge shall be monitored as specified below. The table lists the limitations or procedures applicable to this outlet. The volume shall be determined from flowmeter readings. The Sample point is located immediately downstream of the flow meter on the effluent pipe located east of the permanent groundwater treatment system adjacent to route 440 on the south western corner of the site. The Permittee shall submit volume in accordance with PVSC Use Charge Self-Monitoring Report Form MR-2.

| EFFLUENT CHARACTERISTIC | DISCHARGE LIMITATIONS | | | MONITORING REQUIREMENTS | |
|----------------------------|-----------------------|-----------|--------------------------|-------------------------|---------------------|
| | MONTHLY AVERAGE | DAILY MAX | MEASUREMENT FREQUENCY | SAMPLE TYPE | REPORTING PERIOD |
| Volume | XXXXXX | XXXXXX | XXXXXX | XXXXXX | Monthly |

2. MONITORING REQUIREMENTS AND DISCHARGE LIMITATIONS

- (b) Beginning (10/01/2011) and lasting through (Upon Issuance of Final Sewer Use Permit) the Permittee is authorized to discharge from outlet # (31630007-1). Such discharge shall be monitored as specified below. The table lists the limitations or procedures applicable to this outlet. The volume shall be determined from flowmeter readings. The sample point is located immediately downstream of the flow meter on the effluent pipe located east of the permanent groundwater treatment system adjacent to Route 440 on the south western corner of the site. The Permittee shall submit volume and analysis results in accordance with PVSC Pretreatment Discharge Monitoring Form MR-1.

| PARAMETER | DISCHARGE LIMITATIONS | | MONITORING REQUIREMENTS | | |
|---------------------------------|-----------------------|------------|-------------------------|--------------|------------------|
| | MONTHLY AVERAGE | DAILY MAX | MEASUREMENT FREQUENCY | SAMPLE TYPE | REPORTING PERIOD |
| SGT-HEM (Non-Polar Material) | 100 mg/l | 150 mg/l | Monthly | Grab* | Monthly |
| Chromium | ** | 11 lbs/day | Monthly | 24 hr. Comp. | Monthly |
| BOD | XXXXXX | XXXXXX | Monthly | 24 hr. Comp | Monthly |
| Volume | XXXXXX | XXXXXX | XXXXXX | XXXXXX | Monthly |

* Sampling procedure must be in accordance with those specified by N.J.D.E.P.. Analysis procedure as defined by E.P.A. Method 1664A.

** In addition to the daily maximum limit, there shall be a monthly maximum Chromium Limit of 341 lbs. for 31 day months and 330 lbs. for 30 day months.

2. MONITORING REQUIREMENTS AND DISCHARGE LIMITATIONS

- (b) Beginning (10/01/2011) and lasting through (Upon Issuance of Final Sewer Use Permit) the Permittee is authorized to discharge from outlet # (31630007-1). Such discharge shall be monitored as specified below. The table lists the limitations or procedures applicable to this outlet. The volume shall be determined from flowmeter readings. The sample point is located immediately downstream of the flow meter on the effluent pipe located east of the permanent groundwater treatment system adjacent to Route 440 on the south western corner of the site The Permittee shall submit volume and analysis results in accordance with PVSC Pretreatment Discharge Monitoring Report Form MR-1.

| PVSC LOCAL LIMITS | | DISCHARGE LIMITATIONS | | MONITORING REQUIREMENTS | | |
|-------------------|----------------------------|----------------------------|--------------------------|-------------------------|---------------------|--|
| PARAMETER | mg/l MONTHLY AVERAGE | mg/l THRESHOLD VALUE | MEASUREMENT FREQUENCY | SAMPLE TYPE | REPORTING PERIOD | |
| Cd | 0.19 | 0.005 | Monthly | 24 hr. comp. | Monthly | |
| Cu | 3.02 | 0.092 | Monthly | 24 hr. comp. | Monthly | |
| Pb | 0.54 | 0.029 | Monthly | 24 hr. comp. | Monthly | |
| Hg | 0.080 | 0.001 | Monthly | 24 hr. comp. | Monthly | |
| Ni | 5.9 | 0.02 | Monthly | 24 hr. comp. | Monthly | |
| Zn | 1.67 | 0.10 | Monthly | 24 hr. comp. | Monthly | |
| Volume | XXXXXX | XXXXXX | XXXXXX | XXXXXX | Monthly | |

3. SCHEDULE OF COMPLIANCE

The Permittee is required to meet the following schedule of compliance:

- A. Analysis of wastewater parameters shall be performed by a laboratory that has been certified by the State of New Jersey. Permittee is required to submit all certified analyses as an attachment to the monthly MR-1 and/or MR-2 report.
- B. The Permittee is required to submit as an attachment to the MR-1 and/or MR-2 report monthly, a water balance showing meter readings used to calculate the reported volume discharged.
- C. 11/21/2011 - First Periodic Compliance Monitoring Report Due.
Permittee to submit a periodic compliance monitoring report MR-2 form for monthly reporting requirements within twenty-one (21) days after the end date of each preceding month.
- D. Permittee to be in compliance with PVSC Local Limits.
12/05/2012 - First Periodic Compliance Monitoring Report Due
Permittee to submit a periodic compliance monitoring report MR-1 form for monthly reporting requirements within thirty-five (35) days after the end date of each preceding month in accordance with General Pretreatment Regulations 40 CFR 403.12 section (e).
- E. If the Permittee has been authorized by the PVSC to certify for non-use for one or more heavy metals, the Permittee must sample the discharge in March and September of each year in order to prove continued compliance. If any analytical results exceed the Threshold Value, but not the Local Limit, the Permittee shall analyze a sample each succeeding month until three successive monthly results are at or below the Threshold Value stated in the PVSC Rules and Regulations Section B-103.3 Table B-2.
- F. Be certain that you do not surcharge any sewer lines. The rate of discharge must not exceed a maximum of 15 gpm over the course of a sample date. Please NOTE that all discharge must cease during rainfall events and must not recommence until dry weather resumes.
- G. 02/01/2012 - PVSC Local Limit Baseline Monitoring Report and Slug Control Questionnaire are due.
- H. All discharge shall cease 5 years from the start of discharge. If additional time is needed, you must request an extension from PVSC 90 days prior to the expiration date of the Agreement and this Sewer Use Permit.

HONEYWELL INTERNATIONAL INCORPORATED - #31630007**SECTION A-3 SCHEDULE OF COMPLIANCE CONTINUED**

- I. All PVSC Rules & Regulations must be adhered to ([www. PVSC.com](http://www.PVSC.com)).
- J. The Final Sewer Use Permit will run concurrent with a said contract executed by both Honeywell International Incorporated and PVSC.
- K. Notify Arthur Peluso at (973) 817-5723, three (3) working days before you plan to commence the discharge, so that a PVSC Inspector can be present to observe the discharge.
- L. This discharge cannot begin until a written Agreement is entered into.
- M. PVSC reserves the right to require toxicity evaluation and/or to change the conditions of this Permit, including discontinuing the discharge if it deems necessary.
- N. The Permittee shall notify in writing, all agencies as directed by 40 CFR 403.12 (p) of any discharges classified hazardous waste under 40 CFR 261.

CONDITIONS APPLICABLE TO ALL PERMITS**1. GENERAL**

- 1.1 The Permittee shall comply with all conditions set forth in this permit and all applicable requirements which are set forth in N.J.S.A. 58:14-1 et seq. and the Rules and Regulations of the PVSC, as well as the Federal Clean Water Act, 33 U.S.C.A. § 1251 et seq. and the New Jersey Water Pollution Control Act, N.J.S.A. 58:10A-1 et seq. Failure to comply with all the terms and conditions of this permit shall constitute a violation of the Rules and Regulations of the PVSC.
- 1.2 All discharges shall be consistent at all times with the terms and conditions of this permit and no regulated pollutant shall be discharged more frequently than authorized or at a level in excess of that which is authorized by this permit.
- 1.3 The Permittee shall not discharge or deposit or cause or allow to be discharged or deposited into the Treatment Works or public sewer, any waste which causes or contains the following
 - (a) **Explosive Wastes** - Wastes in such quantity which may create a fire or explosion hazard to the Treatment Works, collection system or to the operation of the system, including but not limited to, wastewater with a closed cup flashpoint of less than 140 degrees Fahrenheit or 60 degrees Centigrade using the test methods specified in 40 CFR 261.21. Additional quantitative limitations on explosive wastes are specified in Appendix B.
 - (b) **Corrosive Wastes** - Wastes in such quantity which may cause corrosion or deterioration of the Treatment Works. Unless a higher limit is otherwise stated in the Sewer Use Permit issued to a user, all wastes shall have a pH not less than 5. Unless otherwise stated in the Sewer Use Permit, all wastes shall have a pH not more than 10.5. If PVSC requires the installation of a continuous pH recorder, the Permittee may exceed the upper or alkaline pH limit subject to the conditions contained in subsection 317. Prohibited materials include, but are not limited to, acids, sulfides, concentrated chloride or fluoride compounds, etc.

- (c) **Solids or Viscous Wastes** - Solids or viscous wastes in amounts which may cause obstruction to the flow in a sewer, or otherwise interfere with the proper operation of the Treatment Works. Prohibited materials include, but are not limited to, uncomminuted garbage, bones, hides, or fleshings, cinders, sand, stone or marble dust, glass, etc.
- (d) **Floatable Pollutants** - (1) Petroleum oil, non-biodegradable cutting oil, or products of mineral oil origin in amounts that will cause interference or pass through, (2) any wastes containing floatable fats, wax, grease, oils, or any other floatable pollutants, (3) any industrial wastes containing more than 100 mg/l of petroleum based oil or grease.
- (e) **Noxious Materials** - (1) Pollutants which result in the presence of toxic gases, vapors or fumes within the POTW in a quantity that may cause acute worker health and safety problems, (2) noxious liquids, or gases, which in sufficient quantity either singly or by interaction with other wastes, are capable of creating a public nuisance or hazard to life, or are or may be sufficient to prevent entry into a sewer for its maintenance and repair.
- (f) **Radioactive Wastes** - Radioactive wastes or isotopes of such half life or concentration that they do not comply with regulations or orders issued by the appropriate authority having control over their use and which will, or may, cause damage or hazards to the Treatment Works or personnel operating the system.
- (g) **Interference/Pass through** - Any waste, including discharges of oxygen demanding wastes (BOD, etc.) released or discharged at a flow rate and/or pollutant concentration which causes or threatens to cause an upset at the PVSC Treatment Works, or which causes or threatens to cause a violation of the PVSC's NJPDES Permit conditions.
- (h) **Excessive Discharge Rate** - Industrial wastes discharged in a slug or such volume or strength so as to cause a treatment process upset and subsequent loss of treatment efficiency.
- (i) **Heat** - (1) Any discharge in excess of 150°F (65°C). (2) Heat in amounts which would inhibit biological activity in the PVSC Treatment Works resulting in a treatment process upset and subsequent loss of treatment efficiency.

- (j) **Unpolluted Waters** - Any unpolluted water including, but not limited to, cooling water and uncontaminated storm water, which will increase the hydraulic load on the Treatment System, unless specifically authorized by PVSC in accordance with Sections 301, 303, 602.5 of these Rules and Regulations.
- (k) **Dilution** - Increase in the use of process water, or an attempt in any other way, to dilute a discharge as a partial or complete substitute for adequate treatment to achieve compliance with a pretreatment standard or effluent limit.
- (l) **Violations** - Wastes, which cause the PVSC treatment plant to violate its NJPDES Permit, applicable, receiving water standards, permit regulating sludge which is produced during treatment or any other Permit issued to PVSC.
- (m) **Ultra Hazardous Toxics** - Those wastes designated by EPA as sufficiently toxic that they shall not be discharged to the sanitary sewer in any concentrations.
- (n) **Trucked Pollutants** - Any trucked or hauled pollutants, accepted at discharge points designated by the Chief Executive Officer, and only after approval is issued by PVSC.
- (o) **Ground Water** - Any ground water, whether contaminated or uncontaminated, unless specifically authorized by PVSC in accordance with Sections 301, 303, and 602.5 of these Rules and Regulations.
- (p) **Stormwater** - Any stormwater, whether contaminated or uncontaminated, unless specifically authorized by PVSC in accordance with Sections 301, 303 and 602.5 of these Rules and Regulations.
- (q) **Bypassed Wastes** - Any wastewaters which would normally be monitored or pretreated, but are discharged to the sanitary sewer without being monitored or pretreated, unless specifically authorized by PVSC.
- (r) **Excess Heel Material** - Any quantity of trucked or hauled material meeting the definition as contained herein, unless authorized by PVSC.

- 1.4 The Permittee shall not discharge or convey or permit to be discharged or conveyed to the PVSC Treatment Works any wastes containing pollutants of such character or quantity that.
- (a) Impairs the PVSC's ability to protect the health and safety of the treatment plant workers.
 - (b) Will not be susceptible to treatment or will interfere with the process or efficiency of the Treatment Works.
 - (c) Violate any federal categorical pretreatment standard. As pretreatment standards for toxic or other hazardous pollutants are promulgated by USEPA for a given industrial category, all industrial users within that category shall conform to the USEPA timetable as well as any numeric limitations imposed by the USEPA.
 - (d) Violate a local limit imposed or adopted by the PVSC.
 - (e) Violate a Best Professional Judgment limit imposed or adopted by the PVSC.
 - (f) Cause the PVSC treatment plant to violate its NJPDES Permit, applicable receiving water standards, regulations and/or any permits governing sludge which is produced during treatment process, or any other permit issued to the PVSC.
- 1.5 The Permittee shall at all times maintain in good working order and operate all pretreatment control and monitoring equipment in strict accordance with all design specifications and manufacturer recommendations. Proper operation and maintenance includes, at a minimum, effective performance based upon specifications designed to meet applicable effluent limits, adequate funding, adequate operator staffing and training and adequate laboratory and process controls.

- 1.6. The Permittee shall dispose of all solids, sludges, filter backwash or other pollutants or hazardous waste removed in the course of pretreatment or control of wastewaters and/or the treatment of the intake waters, in accordance with applicable Federal, State and local laws and regulations. Records documenting such disposal shall be made available to the PVSC for review upon request.

2. **INDUSTRIAL WASTE REPORTING**

- 2.1 **USER CHARGE:** User Charge monitoring results obtained during the previous month shall be reported monthly on a Discharge Monitoring Report Form (MR-2). The due date for properly signed reports shall be 21 days after the reporting period ends. If the 21st day falls on a Saturday, Sunday or PVSC Holiday, then the report shall be due on the next PVSC work day. If the Permittee fails to submit the MR-2 Report on a timely basis the Executive Director shall estimate the usage for the period. The estimate may be made thirty (30) days after the due date of the report.
- 2.2 **PRETREATMENT:** Pretreatment monitoring results obtained during the previous month shall be reported monthly on a Discharge Monitoring Report Form (MR-1). The due date for properly signed reports, shall be 35 days after the reporting period ends. If the 35th day falls on a Saturday, Sunday or PVSC Holiday, then the report shall be due on the next PVSC work day.
- 2.3 **DUE DATE:** MR-1 and MR-2 Reports must be physically delivered to the PVSC Administration office or Security office by Midnight of the date by which they are due. The use of certified mail or other means to document or guarantee delivery may be used if deemed necessary. Postmarks are not valid to demonstrate compliance with the due date requirement.

2.4 **MAILING ADDRESS:** Reports required herein must be addressed to:

**PASSAIC VALLEY SEWERAGE COMMISSIONERS
ATTN: INDUSTRIAL DEPARTMENT
600 WILSON AVENUE
NEWARK, NEW JERSEY 07105**

2.5 **FACSIMILE:** The Permittee may meet the requirement for submission by sending the report(s) via facsimile provided the report is received at the PVSC Administration Office between the hours of 8:30 a.m. and 4:00 p.m. on any date up to and including the due date. In addition the due date for a hard copy of the same report shall be four (4) days after the transmission of the facsimile. Failure to deliver the hard copy by the due date specified shall result in the report being considered as not having been received and shall constitute a violation of the permit.

2.6 **ANALYTICAL PROCEDURES:** Analytical results for BOD, TSS or any other parameter as required by this permit shall be reported on the date that the sample was removed from the sampling device for analysis. The following procedure shall be used when reporting analytical results:

- (a) the pollutant limit will define the precision, or number of digits to the right or left of the decimal point, to be reported.
- (b) Calculated results shall be rounded off to the same precision as defined for that pollutant in the limit.
- (c) Zeros in the pollutant limit are included in order to determine the precision.
- (d) The following procedure shall be followed when rounding off results:
 - (i) round off by dropping digits that are irrelevant. If the digit 6,7,8 or 9 is to be dropped, increase the preceding digit by one unit.
 - (ii) If the digit 0,1,2,3 or 4 is to be dropped, do not alter the preceding digit.
 - (iii) If the digit 5 is to be dropped, round off the preceding digit to the nearest even number (2.25 becomes 2.2 while 2.35 becomes 2.4).

2.7 **RECORDING OF RESULTS:** For each measurement of a sample taken pursuant to the requirements of this permit, the Permittee shall maintain a record of the following information:

- (a) The date, exact places and time of sampling;
- (b) The dates the analysis were performed;
- (c) The person(s) who performed the analysis;
- (d) The analytical techniques or methods used; and
- (e) The results of all required analyses.

2.8 **RECORDS RETENTION:** The Permittee shall maintain such records as necessary to demonstrate compliance with the requirements of this permit, the PVSC Rules and Regulations and any applicable State or Federal Pretreatment standard or requirement. All records and information resulting from the monitoring activities required by this permit including, all records of analysis performed, calibration and maintenance of instrumentation and recording from continuous monitoring instrumentation, shall be retained for a minimum of five years.

3. **INDUSTRIAL WASTE MONITORING**

- 3.1 **MONITORING EQUIPMENT:** The Permittee shall install, at his own cost and expense, whatever monitoring equipment is required by the conditions of this permit to facilitate the accurate observation, sampling and measurement of the discharge. Such equipment shall be kept safe, secured from unauthorized entry or tampering and accessible at all times. Monitoring equipment shall be calibrated as recommended by the manufacturer, except that LEL recorder shall be calibrated daily and pH recorders shall be calibrated at least weekly, which ever is more frequent.
- 3.2 Permittee shall safeguard any PVSC monitoring equipment that is installed at their facility. Permittee shall reimburse PVSC for any equipment that is either damaged or stolen from its point of installation. Reimbursement costs will be determined by PVSC.

- 3.3 The volume of each sample shall be proportional to the discharge flow rates unless specifically modified by PVSC. For a 24 hour continuous discharge, a minimum of 24 individual samples shall be collected at equal intervals and at least once per hour. For a continuous discharge of less than 12 hours, individual samples shall be taken at least once every 30 minutes. For discharges which are not continuous, individual samples shall be taken such that they will be representative of the plant waste water discharge.
- 3.4 Permittee shall notify the PVSC as soon as possible, but in no case later than 2 hours from becoming aware of the same, if a sampling, monitoring, recording or other device required in accordance with this permit becomes inoperable. Unless otherwise directed by the PVSC, the Permittee shall submit a written report to the PVSC, attention Industrial and Pollution Control Department, within 5 working days of the occurrence detailing what occurred, why it happened, what will be done to correct the problem and a date when the problem will be corrected. If the PVSC approves the corrective action and it is expected to take more than two months from the date of occurrence to complete, the Permittee shall submit monthly progress reports until such time as the problem is corrected.
- 3.5 **NOTIFICATION OF NON-COMPLIANCE:** If, for any reason, the Permittee does not comply with or will be unable to comply with any effluent limitation specified in this permit, or discharges any waste and meets the Slug Discharge Definition as defined in Appendix A of the PVSC Rules and Regulations, the Permittee shall notify the PVSC within 24 hours of such occurrence.
- 3.6 If this report is made orally, a written report containing the following information, shall be submitted within five (5) working days:
- (a) A description of the discharge and the cause of the period of noncompliance;
 - (b) The period of noncompliance, including exact dates and times; or, if not corrected, the anticipated time the non-compliance is expected to continue, and
 - (c) The steps being taken to reduce, eliminate and prevent a recurrence of the non-complying discharge.

- 3.7 The Permittee shall take all reasonable steps to minimize any adverse impact to the PVSC Treatment Works resulting from noncompliance with any pretreatment limitations specified in this permit, including such accelerated or additional monitoring as necessary to determine the nature and impact of the non-complying discharge. This condition in no way affects PVSC's right to suspend a permit in order to stop a discharge which presents an imminent or substantial hazard to the public health, safety or welfare to the local environment or which interferes with the operation of the PVSC Treatment Works.
- 3.8 **TEST PROCEDURES:** Samples and measurements taken as required in this permit shall be representative of the volume and nature of the monitored discharge.
- 3.9 The Permittee shall perform all analyses in accordance with the test procedures identified under 40 C.F.R. Part 136. All test procedures, other than those identified in 40 C.F.R. Part 136, shall be considered as alternative test procedures. The Permittee is authorized to utilize an alternative test procedure only if prior written approval is received from the Chief Executive Officer in accordance with Section 319.2 of the Rules and Regulations of the PVSC.
- 3.10 Sample analyses of pollutants required by this permit shall be performed by a laboratory with a New Jersey certification for each pollutant analyzed.
- 3.11 If the Permittee monitors any pollutant at the location(s) designated more frequently than required by this permit using the approved analytical methods as specified above, the results of such monitoring shall be included in the calculation and reporting of the values required in the applicable Discharge Monitoring Report Form (PVSC Form MR-1 or MR-2). Such increased frequency shall also be indicated.

4. **MANAGEMENT RESPONSIBILITIES**

4.1 **RIGHT OF ENTRY:** The Permittee shall allow the authorized representatives of the PVSC, upon presentation of credentials to:

- (a) Have immediate access to all the facilities directly or indirectly connected to the PVSC Treatment Works during normal working hours and at such other times as may be necessary during emergencies as determined by PVSC. No person shall interfere with, delay, or refuse entrance to a PVSC Inspector attempting to inspect the facility.
- (b) Inspect the monitoring equipment and monitoring methods required in this permit or to sample any discharge of wastewater, copy any records required to be kept by this permit or PVSC Rules and Regulations and inspect and/or sample RCRA or other type waste or substances.

4.2 **TRANSFER OF OWNERSHIP OR CONTROL:** This Permit is not transferable. This permit shall not be reassigned, transferred or sold to a new owner, new industrial user, or a new or changed operation. The Permittee shall notify the Chief Executive Officer in writing within (14) days of any sale or transfer of the industrial operations/facility covered by this Permit, or of any sale or transfer affecting the identity of those holding a controlling interest in the Permittee. The Permittee shall also provide written notice to the succeeding owner or controller of the existence of this Sewer Use Permit and the need to apply for a new permit. For purposes of this provision, the term "controlling interest" shall mean an interest held by a person or entity, or group of persons or entities, who possess, directly or indirectly, the power to direct or cause the direction of the management and policies of the Permittee.

4.3 **CHANGE IN DISCHARGE:** Any change in the discharge, any anticipated facility expansion, production increases, or modification which will result in new, different, or increased discharges of pollutants regulated by PVSC must be reported by submission of a new Passaic Valley Sewerage Commissioners Sewer Use Application. If such changes will not violate the effluent limitations specified in this permit, then notice only to PVSC of such changes is required. Following such notice the permit may be modified to specify and limit any pollutants not previously limited.

5. **OTHER CONDITIONS**

5.1 **PERMIT MODIFICATION:** After notice and opportunity for a hearing, this permit may be modified, or revoked in whole or in part during its term for cause including, but not limited to the following:

- (a) Violating any terms or condition of this permit;
- (b) Obtaining this permit by misrepresentation or failure to disclose fully all relevant facts; or
- (c) A change in any condition that requires either a temporary or permanent reduction or elimination of the authorized discharge.

5.2 **TOXIC POLLUTANTS:** Notwithstanding Section A Part 2 of this permit, if a toxic effluent standard or prohibition (including any schedule of compliance specified in such effluent standard or prohibition), is established under Section 307(b) of the Federal Water Pollution Control Act, its amendments, or any other subsequent law or regulation for a toxic pollutant which is present in the discharge, and such standard or prohibition is more stringent than any limitation for such pollutant in this permit, this permit shall be revised or modified in accordance with the toxic effluent standard or prohibition and the Permittee so notified.

- 5.3 **CIVIL AND CRIMINAL LIABILITY:** A violation of the PVSC Rules and Regulations or a violation of any term or condition contained in this Sewer Use Permit may subject the Permittee to enforcement and civil penalties of up to \$50,000 per day for each violation, and each day's continuance of the violation shall constitute a separate violation. Enforcement may include the institution of a civil action for injunctive relief and/or to recover civil penalties and/or referral to the appropriate agency for criminal enforcement.
- 5.4 **STATE LAWS:** Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the Permittee from any responsibilities, liabilities, or penalties established pursuant to any applicable State Law or regulation under authority preserved by Section 510, (33 U.S.C.A. § 1370) of the Federal Water Pollution Control Act as amended.
- 5.5 **PROPERTY RIGHTS:** The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or Regulations.
- 5.6 **SEVERABILITY:** The provisions of this permit are severable, and if any provision of this permit, or the application of any provision of this permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this permit shall not be affected thereby.

5.7 **DEFINITIONS:** The following definitions apply to this permit:

- (a) "Composite" - a combination of individual samples obtained at regular intervals over the entire discharge day.
- (b) "Daily" - each operating day.
- (c) "Daily Maximum Discharge" - the highest discharge by weight or other appropriate units, as specified herein, during any calendar day.
- (d) "Grab" - an individual sample collected in less than 15 minutes.
- (e) "Immediate Access" - access without delay but in no event beyond 10 minutes from the time the request is made known to the guard or employee.
- (f) "Monthly" - one day each month during a normal operating day.
- (g) "Monthly Average Value" - the sum of all daily discharges measured during a calendar month divided by the number of daily discharges measured during the month. Results may be expressed in mass loadings per day or concentration. The monthly average value does not apply to those parameters that are continuously monitored.
- (h) "N/A" - not applicable.
- (i) "Quarterly" - every three (3) months.
- (j) "Weekly" - one day each week during a normal operating day.

AGREEMENT

THIS AGREEMENT made this 1st day of **November, 2011**.

BETWEEN: THE PASSAIC VALLEY SEWER COMMISSIONERS, a body politic and corporate of the State of New Jersey (herein referred to as the "PVSC");

AND: HONEYWELL INTERNATIONAL, INC., 101 Columbia Road, Morristown, New Jersey 07962 (herein referred to as the "CUSTOMER")

WITNESSETH

WHEREAS, **PVSC** owns and operates a wastewater treatment facility located in Newark, New Jersey, generally referred to as the PVSC Wastewater Treatment Plant; and

WHEREAS, the **PVSC** Wastewater Treatment Plant has wastewater disposal facilities and capabilities; and

WHEREAS, the **CUSTOMER** is a discharger of low strength wastewaters generated from groundwater clean-up or similar operation and not as a result of any residential use, industrial process or commercial activity located at **NJCU West Campus, Site 090 and Site 117, Jersey City, NJ 07305**, New Jersey and desires to have said wastewater treated and disposed of by the PVSC; and

WHEREAS, the **PVSC** is agreeable to treatment and disposal of the wastewater of the **CUSTOMER** subject to certain terms and conditions including effluent limits and terms for the fixing of fees for treatment and disposal of the wastewater and other related matters;

NOW, THEREFORE, in consideration of these premises and of the mutual covenants and **AGREEMENTS** herein set forth, and of the undertakings of each party to the other, the parties hereto, each binding itself, its successors and assigns, do mutually covenant, promise and agree as follows:

Section 1. GENERAL SCOPE OF THE AGREEMENT

The **CUSTOMER** agrees to discharge its non-hazardous low strength wastewater exclusively to the sanitary sewer system. The non-hazardous wastewater shall meet all of the **PVSC** local limits, all applicable sections of **PVSC** Rules and Regulations, and it shall not cause interference or pass-through of the **PVSC'S** treatment plant. All wastewaters shall be in compliance with **PVSC** local limits as listed in Table A and the Letter of Authorization attached hereto and made part of this **AGREEMENT**. The **PVSC** will accept the said wastewater from the **CUSTOMER** subject to the provisions set forth in Section 2 and the **CUSTOMER** will pay for the treatment of said wastewater in the amount and manner set forth hereinafter. The terms non-hazardous low strength wastewater, and wastewater shall be deemed synonymous whenever they appear in this **AGREEMENT**.

TABLE A

Local Limits

| Monthly Average Limit (mg/l) | | |
|-------------------------------------|----|-------|
| Cadmium | Cd | 0.19 |
| Copper | Cu | 3.02 |
| Lead | Pb | 0.54 |
| Mercury | Hg | 0.080 |
| Nickel | Ni | 5.9 |
| Zinc | Zn | 1.67 |

Section 2. TREATMENT OF THE CUSTOMER'S NON-HAZARDOUS LOW STRENGTH WASTEWATER AND SERVICE CHARGES TO BE LEVIED THEREFORE

(a) The **PVSC** agrees to accept, treat and dispose of the volume of wastewater generated by **CUSTOMER** during the term of this **AGREEMENT** or any extension of it, based on the description provided in the attached **CUSTOMER'S** Application.

(b) The **CUSTOMER** shall not, however, discharge into the **PVSC** system:

1. Any prohibited wastewater as defined by Section 312 of the **PVSC** Rules and Regulations.
2. Any ashes, cinders, sand, mud, stones, rocks, straw, shavings, metal, glass, rags, feathers, tar, wood or any other solid or viscous substance capable of causing obstruction to flow in pipes or other interference with the proper operation of the treatment works.
3. Any wastewater with a pollutant content greater than contained in the documentation submitted in the **CUSTOMER'S** Application.
4. Any wastewater which is Hazardous as defined by USEPA, NJDEP and/or any other regulatory agency.
5. Mixtures of the approved wastewater, as defined in the **CUSTOMER'S** Application, and any other wastewater.

(c) **PVSC** reserves the right to sample for any parameter before commencing discharge or at any time during the term of this **AGREEMENT**.

(d) **PVSC** reserves the right to terminate acceptance of any wastewater if information reveals that the introduction of the contents may negatively impact the operation of the **PVSC** system.

(e) In consideration for the treatment and disposal of the wastewater by the **PVSC**, the **CUSTOMER** agrees to pay the **PVSC** at the rate specified in the **PVSC** Letter of Authorization attached hereto and made a part hereof. The **PVSC** shall have the right to adjust the aforesaid charges annually upon sixty (60) days written notice to the **CUSTOMER** effective on January 1 following the notice. The rate specified in the Letter of Authorization notwithstanding, **PVSC** shall calculate the treatment charge for low strength wastewater by applying the user charge for regular industrial users and the **CUSTOMER** shall pay the greater of the regular industrial user charge or the charge specified in the Letter of Authorization.

In the event that such adjusted charge is not agreed upon, either party may terminate this **AGREEMENT** on the charge effective date, provided such termination shall in no way relieve the obligation to pay any outstanding charge then due and owing or to become due and owing.

(f) The **CUSTOMER** agrees to pay a Sewer Connection Fee to **PVSC** at a rate specified in the PVSC Letter of Authorization attached hereto.

Section 3. PAYMENT AND TERM OF AGREEMENT

(a) The **CUSTOMER** shall be charged \$0.003 per gallon for treatment of wastewater with a BOD of less than 500mg/l. The **CUSTOMER** shall be charged \$0.0015 per gallon for treatment of wastewater with a BOD greater than 500mg/l.

(b) The **PVSC** shall bill the **CUSTOMER** quarterly for charges due on this **AGREEMENT**. The charges shall be payable upon receipt by the **CUSTOMER** of the quarterly bill. Interest shall accrue at the rate of one and one half percent (1 1/2%) per month on charges not paid within forty five (45) days of the billing date.

(c) The **CUSTOMER** will in each fiscal year make all budgetary and other provisions or appropriations necessary to provide for or authorize the payment to the **PVSC** during such fiscal year of the annual payments due hereunder.

(d) If the **CUSTOMER** defaults in any of its obligations on the terms of this **AGREEMENT**, the **PVSC** may terminate the services provided hereunder forthwith provided that such termination shall in no way relieve the obligation to pay any outstanding charges then due and owing or to become due and owing. If payment is not made by the **CUSTOMER** timely, **PVSC** shall be entitled to be reimbursed for cost of collection, including reasonable attorney's fees.

(e) It is expressly understood and agreed that the **CUSTOMER** is solely a contract customer of the **PVSC** and shall require by this **AGREEMENT** no ownership capital, property rights or equity in the system or plant of the **PVSC** whatsoever nor shall the **CUSTOMER** acquire by said **AGREEMENT** any rights, express or implied, to participate in any way in the operation or the administration of the **PVSC**, or participate in any capacity in any agreements or proceedings concerning the acquisition sale, lease or any other imposition of the **PVSC'S** property, including but not limited to participation in eminent domain proceedings. Nothing contained in this **AGREEMENT** shall be construed as the granting permission or a license to the **CUSTOMER** for continued discharging to the **PVSC** treatment works beyond the time limits set forth in herein.

(f) The term of this **AGREEMENT** shall commence on the date the Agreement is executed and, unless sooner terminated in accordance with the terms of this Agreement, shall expire [5] years from date of execution. If upon the expiration of this Agreement, **PVSC** continues to provide service and the **CUSTOMER** continues to dispose of the wastewater to **PVSC**, then and in such events, the terms of this **AGREEMENT** shall bind the parties for all services provided post-expiration of this **AGREEMENT**. If permission to discharge was granted prior to the execution of this **AGREEMENT**, the **Customer** agrees to pay **PVSC** in full for the entire amount discharged at the rate specified in the Letter of Authorization. The bill for this discharge shall be added to the first quarterly bill and shall be paid by the **CUSTOMER** as provided above.

(g) Anything contained in this **AGREEMENT** to the contrary notwithstanding, if the New Jersey Department of Environmental Protection (NJDEP), or any other governmental agency having jurisdiction over the **PVSC** or the subject matter of this **AGREEMENT**, adopts a plan or policy which makes this Agreement unenforceable by its terms, then this **AGREEMENT** shall terminate within sixty (60) days of implementation of the Plan. If the Plan renders any provision of this **AGREEMENT** unenforceable, or requires changes and modifications in the **AGREEMENT** which the **PVSC** is unwilling to accept, then the **PVSC** reserves the right to terminate this **AGREEMENT** on sixty (60) days notice.

Section 4. ENFORCEMENT

(a) If the **CUSTOMER** violates any of the terms of this **AGREEMENT**, including but not limited to the limitations set forth in Section 2, the **PVSC** may terminate the services provided hereunder forthwith and refuse to accept the wastewater into its system, provided that such termination shall in no way relieve the obligation to pay any outstanding charges then due and owing or to become due and owing, or constitute a waiver of any of the **PVSC's** rights to enforce this **AGREEMENT**.

(b) In addition to its right of termination, the **PVSC** may institute such measures as outlined in the **PVSC** Rules and Regulations Section 601, Authority, Violations, Etc.

(c) Furthermore, in the event any wastewater discharged by the **CUSTOMER** to the **PVSC'S** system does not meet the requirements of Section 2, or any other provision of this **AGREEMENT** or provision or regulation of any governmental agency having jurisdiction, and causes unusual maintenance or operating costs to be paid by the **PVSC**, or causes the **PVSC** to incur fines or penalties for violation of any USEPA, NJDEP, or other governmental agency, for violation of any law, rule or permit, then in any such case, the **CUSTOMER** shall reimburse the **PVSC** in full for such additional costs incurred, or fines or penalties assessed. Nonpayment of any costs or fines and penalties assessed shall constitute a default of this **AGREEMENT**.

Section 5. COVENANT BY PVSC

The **PVSC** shall use reasonable diligence and care to provide wastewater treatment service at its sewage treatment plant for the use of the **CUSTOMER**. The **PVSC** shall not be liable for any failure to provide the services which are the subject of this **AGREEMENT**, or for any interruption, or loss or damage resulting therefrom occasioned in whole or in part by any cause beyond the reasonable control of the **PVSC** or any cause considered an event of force majeure.

The **PVSC** shall not be responsible for any interruption or cessation of services due to the action of any governmental agency having jurisdiction over the **PVSC**. If the **PVSC** is unable to provide the service under the terms of this **AGREEMENT** because of failure to obtain the necessary approvals or licenses from the governmental agencies having jurisdiction over the **PVSC**, then this **AGREEMENT** shall become null and void.

Section 6. GOVERNING LAW AND VENUE

This **AGREEMENT** shall be deemed to be executed in the State of New Jersey, regardless of the domicile of the **CUSTOMER**, and shall be governed by and construed in accordance with the laws of the State of New Jersey.

The Parties agree that any and all claims asserted by the **PVSC** arising under this **AGREEMENT** or related thereto shall be heard and determined either in the courts of the United States located in New Jersey ("Federal Courts") or in the Courts of the State of New Jersey located in Essex County in the State of New Jersey. The parties further waive all rights to trial by jury.

Section 7. ASSIGNMENT PROHIBITED

No assignment or transfer of this **AGREEMENT** or resale of the services provided hereunder shall be made without the express consent of **PVSC** in writing, and the **CUSTOMER** shall not permit any use or benefit to be made of this **AGREEMENT** by any other parties.

Section 8. PROPER PERFORMANCE OF CONTRACT

The **PVSC** reserves the right to decide all questions arising as to the proper performance of this **AGREEMENT**.

Section 9. TESTING AND MONITORING

The **CUSTOMER** shall be responsible for wastewater sampling, testing, reporting or other requirement of **PVSC**, NJDEP and the USEPA and for the cost thereof, regarding monitoring for wastewater quality parameters including, but not limited to, heavy metals and toxic organic chemicals; copies of the wastewater analysis reports sent to NJDEP, USEPA and/or any other governing agency by the generator for the above parameters, shall be filed with the **PVSC** within thirty (30) days of their submission to the regulatory Agency(s)

Section 10. VERBAL COMMUNICATION

Verbal communication by the **CUSTOMER** shall not be accepted and no representative, agent or employee of **PVSC** is authorized to accept any verbal communication from the **CUSTOMER** to vary, alter or modify the terms of this **AGREEMENT**. Similarly, no representative, agent, or employee of **PVSC** has been authorized to make any representations or to vary, alter or modify the terms hereof. No additions, changes or modifications, renewals or extensions hereof, shall be binding unless reduced to writing and signed by the **CUSTOMER** and **PVSC**.

Section 11. RE-APPLICATION

The **CUSTOMER** shall, within sixty (60) days of the expiration of this **AGREEMENT**, submit a complete **PVSC** Application including all required laboratory analysis. Failure to submit a complete **PVSC** Application shall constitute default of this **AGREEMENT**.

IN WITNESS WHEREOF, the **PVSC** and **CUSTOMER** have caused their respective corporate seals to be hereto affixed and attested and these presents to be signed by their respective officers duly authorized and this **AGREEMENT** to be dated as of the date first above written.

ATTEST: **PASSAIC VALLEY SEWERAGE COMMISSIONERS**

| | |
|--------------------|--------------------|
| _____ | BY: _____ |
| Thomas F. Flanagan | Wayne J. Forrest, |
| Acting Clerk | Executive Director |

ATTEST: **HONEYWELL INTERNATIONAL, INC.**

| |
|----------------------|
| _____ |
| <i>Maria Kaouris</i> |
| Maria Kaouris |
| Remediation Manager |

Date

APPENDIX O

WELL ABANDONMENT AND CONSTRUCTION RECORDS

STUDY AREA 5 REMEDIAL ACTION REPORT

FORMER BALDWIN STEEL SITE (NJDEP SITE 090)

FORMER MI HOLDINGS SITE (NJDEP SITE 184)

PORTION OF FORMER MORRIS CANAL SITE (NJDEP SITE 153 NORTHERN SEGMENT)

JERSEY CITY, NEW JERSEY

WELL ABANDONMENT RECORDS

WELL DECOMMISSIONING REPORT

PROPERTY OWNER: MARIA KAOURIS

Company/Organization: Honeywell International

Address: 101 Columbia Rd Moorestown, New Jersey 07962

WELL LOCATION: Study Area 5 - Site 090 & 184

Address: 500-520 State Rte 440

County: Hudson Municipality: Jersey City Lot: 6D Block: 1286

Easting (X): 604275 Northing (Y): 684389
Coordinate System: NJ State Plane (NAD83) - USFEET

**DATE WELL
DECOMMISSIONED:** April 18, 2011

WELL USE: MONITORING

Other Use(s): _____

Local ID: OW5-5

Reason for Decommissioning: No longer in use

Finished Well Depth (ft.): 23

Was a New Well Drilled? N

Formation Type: Unconsolidated

New Well Permit Number: _____

WELL DECOMMISSIONING INFORMATION

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt/Rating/Screen # Used (lbs/ch no.) |
|----------|-----------------------|--------------------------|----------------------|----------|--|
| Borehole | 0 | 23 | 8 | | |
| Casing | 0 | 8 | 2 | PVC | |
| Screen | 8 | 23 | 2 | | |

MATERIALS USED

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in.) | Inner Diameter (in.) | Material | | |
|-------------|-----------------------|--------------------------|-------------------------|-------------------------|------------------|--------------------|--------------|
| | | | | | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) |
| Grout | 0 | 23 | 2 | 0 | 10 | 200 | 14 |
| Sand/Gravel | | | | | | | |

ADDITIONAL INFORMATION

Obstructions: No

Authorization Official: _____

Obstruction Type: _____

Authorization Number: _____

Alternative Decomm. Method? No

Authorization Date: _____

Method Used _____

ATTACHMENTS: _____

Michael Kurzynowski
JOURNEYMAN
Sealing Driller: LICENSE # 0001062

MORETRENCH AMERICAN CORP
100 STICKLE AVE
Company: Rockaway (Morris), NJ 07866

WELL DECOMMISSIONING REPORT

PROPERTY OWNER: MARIA KAOURIS

Company/Organization: Honeywell International

Address: 101 Columbia Rd Moorestown, New Jersey 07962

WELL LOCATION: Study Area 5 - Site 090 & 184

Address: 500-520 State Rte 440

County: Hudson Municipality: Jersey City Lot: 6D Block: 1286

Easting (X): 603960 Northing (Y): 684620
Coordinate System: NJ State Plane (NAD83) - USFEET

**DATE WELL
DECOMMISSIONED:** April 18, 2011

WELL USE: RECOVERY

Other Use(s): _____

Local ID: DP5-1

Reason for Decommissioning: No longer in use

Finished Well Depth (ft.): 38

Was a New Well Drilled? N

Formation Type: Unconsolidated

New Well Permit Number: _____

WELL DECOMMISSIONING INFORMATION

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt/Rating/Screen # Used (lbs/ch no.) |
|----------|-----------------------|--------------------------|----------------------|----------|--|
| Borehole | 0 | 40 | 14 | | |
| Casing | 0 | 23 | 8 | Steel | sch 40 |
| Screen | 23 | 38 | 8 | steel | .20 |

MATERIALS USED

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in.) | Inner Diameter (in.) | Material | | |
|-------------|-----------------------|--------------------------|-------------------------|-------------------------|------------------|--------------------|--------------|
| | | | | | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) |
| Grout | 0 | 38 | 8 | 0 | 45 | 900 | 80 |
| Sand/Gravel | | | | | | | |

ADDITIONAL INFORMATION

Obstructions: No

Authorization Official: _____

Obstruction Type: _____

Authorization Number: _____

Alternative Decomm. Method? No

Authorization Date: _____

Method Used _____

ATTACHMENTS: _____

Michael Kurzynowski
JOURNEYMAN
Sealing Driller: LICENSE # 0001062

MORETRENCH AMERICAN CORP
100 STICKLE AVE
Company: Rockaway (Morris), NJ 07866

WELL DECOMMISSIONING REPORT

PROPERTY OWNER: MARIA KAOURIS

Company/Organization: Honeywell International

Address: 101 Columbia Rd Moorestown, New Jersey 07962

WELL LOCATION: Study Area 5 - Site 090 & 184

Address: 500-520 State Rte 440

County: Hudson Municipality: Jersey City Lot: 5 Block: 1286

Easting (X): 604118 Northing (Y): 684722
Coordinate System: NJ State Plane (NAD83) - USFEET

**DATE WELL
DECOMMISSIONED:** April 20, 2011

WELL USE: RECOVERY

Other Use(s): _____

Local ID: DP5-2

Reason for Decommissioning: No longer in use

Finished Well Depth (ft.): 30.1

Was a New Well Drilled? N

Formation Type: Unconsolidated

New Well Permit Number: _____

WELL DECOMMISSIONING INFORMATION

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt/Rating/Screen # Used (lbs/ch no.) |
|----------|-----------------------|--------------------------|----------------------|----------|--|
| Borehole | 0 | 32.1 | 14 | | |
| Casing | 1 | 10.1 | 8 | Steel | sch 40 |
| Screen | 10.1 | 30.1 | 8 | steel | .20 |

MATERIALS USED

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in.) | Inner Diameter (in.) | Material | | |
|-------------|-----------------------|--------------------------|-------------------------|-------------------------|------------------|--------------------|--------------|
| | | | | | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) |
| Grout | 0 | 30.1 | 8 | 0 | 50 | 1000 | 80 |
| Sand/Gravel | | | | | | | |

ADDITIONAL INFORMATION

Obstructions: No

Authorization Official: _____

Obstruction Type: _____

Authorization Number: _____

Alternative Decomm. Method? No

Authorization Date: _____

Method Used _____

ATTACHMENTS: _____

Michael Kurzynowski
JOURNEYMAN
Sealing Driller: LICENSE # 0001062

MORETRENCH AMERICAN CORP
100 STICKLE AVE
Company: Rockaway (Morris), NJ 07866

WELL DECOMMISSIONING REPORT

PROPERTY OWNER: MARIA KAOURIS

Company/Organization: Honeywell International

Address: 101 Columbia Rd Moorestown, New Jersey 07962

WELL LOCATION: Study Area 5 - Site 090 & 184

Address: 500-520 State Rte 440

County: Hudson Municipality: Jersey City Lot: 5 Block: 1286

Easting (X): 604208 Northing (Y): 684722
Coordinate System: NJ State Plane (NAD83) - USFEET

**DATE WELL
DECOMMISSIONED:** April 18, 2011

WELL USE: RECOVERY

Other Use(s): _____

Local ID: DP5-3

Reason for Decommissioning: No longer in use

Finished Well Depth (ft.): 35.1

Was a New Well Drilled? N

Formation Type: Unconsolidated

New Well Permit Number: _____

WELL DECOMMISSIONING INFORMATION

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt/Rating/Screen # Used (lbs/ch no.) |
|----------|-----------------------|--------------------------|----------------------|----------|--|
| Borehole | 0 | 37.1 | 14 | | |
| Casing | 0 | 10.1 | 8 | Steel | sch 40 |
| Screen | 10.1 | 35.1 | 8 | steel | .20 |

MATERIALS USED

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in.) | Inner Diameter (in.) | Material | | |
|-------------|-----------------------|--------------------------|-------------------------|-------------------------|------------------|--------------------|--------------|
| | | | | | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) |
| Grout | 0 | 35.1 | 14 | 8 | 40 | 800 | 64 |
| Sand/Gravel | 2 | 37.1 | 14 | 8 | #0 | | |

ADDITIONAL INFORMATION

Obstructions: No

Authorization Official: _____

Obstruction Type: _____

Authorization Number: _____

Alternative Decomm. Method? No

Authorization Date: _____

Method Used _____

ATTACHMENTS: _____

WELL DECOMMISSIONING REPORT

PROPERTY OWNER: MARIA KAOURIS

Company/Organization: Honeywell International

Address: 101 Columbia Rd Moorestown, New Jersey 07962

WELL LOCATION: Study Area 5 - Site 090 & 184

Address: 500-520 State Rte 440

County: Hudson Municipality: Jersey City Lot: 5 Block: 1286

Easting (X): 604273 Northing (Y): 684476
Coordinate System: NJ State Plane (NAD83) - USFEET

**DATE WELL
DECOMMISSIONED:** April 18, 2011

WELL USE: RECOVERY

Other Use(s): _____

Local ID: DP5-4

Reason for Decommissioning: No longer in use

Finished Well Depth (ft.): 40

Was a New Well Drilled? N

Formation Type: Unconsolidated

New Well Permit Number: _____

WELL DECOMMISSIONING INFORMATION

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt/Rating/Screen # Used (lbs/ch no.) |
|----------|-----------------------|--------------------------|----------------------|----------|--|
| Borehole | 0 | 42 | 14 | | |
| Casing | 0 | 10 | 8 | Steel | sch 40 |
| Screen | 10 | 40 | 8 | steel | .20 |

MATERIALS USED

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in.) | Inner Diameter (in.) | Material | | |
|-------------|-----------------------|--------------------------|-------------------------|-------------------------|------------------|--------------------|--------------|
| | | | | | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) |
| Grout | 0 | 40 | 8 | 0 | 45 | 900 | 72 |
| Sand/Gravel | | | | | | | |

ADDITIONAL INFORMATION

Obstructions: No

Authorization Official: _____

Obstruction Type: _____

Authorization Number: _____

Alternative Decomm. Method? No

Authorization Date: _____

Method Used _____

ATTACHMENTS: _____

Michael Kurzynowski
JOURNEYMAN
Sealing Driller: LICENSE # 0001062

MORETRENCH AMERICAN CORP
100 STICKLE AVE
Company: Rockaway (Morris), NJ 07866

WELL DECOMMISSIONING REPORT

PROPERTY OWNER: MARIA KAOURIS

Company/Organization: Honeywell International

Address: 101 Columbia Rd Moorestown, New Jersey 07962

WELL LOCATION: Study Area 5 - Site 090 & 184

Address: 500-520 State Rte 440

County: Hudson Municipality: Jersey City Lot: 6D Block: 1286

Easting (X): 604118 Northing (Y): 684470
Coordinate System: NJ State Plane (NAD83) - USFEET

**DATE WELL
DECOMMISSIONED:** April 18, 2011

WELL USE: RECOVERY

Other Use(s): _____

Local ID: DP5-5

Reason for Decommissioning: No longer in use

Finished Well Depth (ft.): 40.2

Was a New Well Drilled? N

Formation Type: Unconsolidated

New Well Permit Number: _____

WELL DECOMMISSIONING INFORMATION

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt/Rating/Screen # Used (lbs/ch no.) |
|----------|-----------------------|--------------------------|----------------------|----------|--|
| Borehole | 0 | 42.2 | 14 | | |
| Casing | 0 | 25.2 | 8 | Steel | sch 40 |
| Screen | 25.2 | 40.2 | 8 | steel | |

MATERIALS USED

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in.) | Inner Diameter (in.) | Material | | |
|-------------|-----------------------|--------------------------|-------------------------|-------------------------|------------------|--------------------|--------------|
| | | | | | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) |
| Grout | 0 | 40.2 | 8 | 0 | 45 | 900 | 72 |
| Sand/Gravel | | | | | | | |

ADDITIONAL INFORMATION

Obstructions: No

Authorization Official: _____

Obstruction Type: _____

Authorization Number: _____

Alternative Decomm. Method? No

Authorization Date: _____

Method Used _____

ATTACHMENTS: _____

Michael Kurzynowski
JOURNEYMAN
Sealing Driller: LICENSE # 0001062

MORETRENCH AMERICAN CORP
100 STICKLE AVE
Company: Rockaway (Morris), NJ 07866

WELL DECOMMISSIONING REPORT

PROPERTY OWNER: MARIA KAOURIS

Company/Organization: Honeywell International

Address: 101 Columbia Rd Moorestown, New Jersey 07962

WELL LOCATION: Study Area 5 - Site 090 & 184

Address: 500-520 State Rte 440

County: Hudson Municipality: Jersey City Lot: 1 Block: 1286.5

Easting (X): 604029 Northing (Y): 685402
Coordinate System: NJ State Plane (NAD83) - USFEET

**DATE WELL
DECOMMISSIONED:** April 20, 2011

WELL USE: RECOVERY

Other Use(s): _____

Local ID: DP6-1

Reason for Decommissioning: No longer in use

Finished Well Depth (ft.): 29.5

Was a New Well Drilled? N

Formation Type: Unconsolidated

New Well Permit Number: _____

WELL DECOMMISSIONING INFORMATION

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt/Rating/Screen # Used (lbs/ch no.) |
|----------|-----------------------|--------------------------|----------------------|----------|--|
| Borehole | 0 | 31.5 | 14 | | |
| Casing | 0 | 19.5 | 8 | Steel | sch 40 |
| Screen | 19.5 | 29.5 | 8 | steel | 20 |

MATERIALS USED

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in.) | Inner Diameter (in.) | Material | | |
|-------------|-----------------------|--------------------------|-------------------------|-------------------------|------------------|--------------------|--------------|
| | | | | | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) |
| Grout | 0 | 29.5 | 8 | 0 | 40 | 800 | 64 |
| Sand/Gravel | | | | | | | |

ADDITIONAL INFORMATION

Obstructions: No

Authorization Official: _____

Obstruction Type: _____

Authorization Number: _____

Alternative Decomm. Method? No

Authorization Date: _____

Method Used _____

ATTACHMENTS: _____

Michael Kurzynowski
JOURNEYMAN
Sealing Driller: LICENSE # 0001062

MORETRENCH AMERICAN CORP
100 STICKLE AVE
Company: Rockaway (Morris), NJ 07866

WELL DECOMMISSIONING REPORT

PROPERTY OWNER: MARIA KAOURIS

Company/Organization: Honeywell International

Address: 101 Columbia Rd Moorestown, New Jersey 07962

WELL LOCATION: Study Area 5 - Site 090 & 184

Address: 500-520 State Rte 440

County: Hudson Municipality: Jersey City Lot: 1 Block: 1286.5

Easting (X): 603983 Northing (Y): 685289
Coordinate System: NJ State Plane (NAD83) - USFEET

**DATE WELL
DECOMMISSIONED:** April 12, 2011

WELL USE: RECOVERY

Other Use(s): _____

Local ID: DP6-2

Reason for Decommissioning: No longer in use

Finished Well Depth (ft.): 27.4

Was a New Well Drilled? N

Formation Type: Unconsolidated

New Well Permit Number: _____

WELL DECOMMISSIONING INFORMATION

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt/Rating/Screen # Used (lbs/ch no.) |
|----------|-----------------------|--------------------------|----------------------|----------|--|
| Borehole | 0 | 29.4 | 14 | | |
| Casing | 0 | 17.4 | 8 | Steel | sch 40 |
| Screen | 17.4 | 27.4 | 8 | steel | .020 |

MATERIALS USED

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in.) | Inner Diameter (in.) | Material | | |
|-------------|-----------------------|--------------------------|-------------------------|-------------------------|------------------|--------------------|--------------|
| | | | | | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) |
| Grout | 2 | 29.4 | 8 | 0 | 50 | 1000 | 80 |
| Sand/Gravel | | | | | | | |

ADDITIONAL INFORMATION

Obstructions: No

Authorization Official: _____

Obstruction Type: _____

Authorization Number: _____

Alternative Decomm. Method? No

Authorization Date: _____

Method Used _____

ATTACHMENTS: _____

Michael Kurzynowski
JOURNEYMAN
Sealing Driller: LICENSE # 0001062

MORETRENCH AMERICAN CORP
100 STICKLE AVE
Company: Rockaway (Morris), NJ 07866

WELL DECOMMISSIONING REPORT

PROPERTY OWNER: MARIA KAOURIS

Company/Organization: Honeywell International

Address: 101 Columbia Rd Moorestown, New Jersey 07962

WELL LOCATION: Study Area 5 - Site 090 & 184

Address: 500-520 State Rte 440

County: Hudson Municipality: Jersey City Lot: 6D Block: 1286

Easting (X): 603979 Northing (Y): 684638
Coordinate System: NJ State Plane (NAD83) - USFEET

**DATE WELL
DECOMMISSIONED:** April 20, 2011

WELL USE: MONITORING

Other Use(s): _____

Local ID: OW5-1

Reason for Decommissioning: No longer in use

Finished Well Depth (ft.): 35

Was a New Well Drilled? N

Formation Type: Unconsolidated

New Well Permit Number: _____

WELL DECOMMISSIONING INFORMATION

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt/Rating/Screen # Used (lbs/ch no.) |
|----------|-----------------------|--------------------------|----------------------|----------|--|
| Borehole | 0 | 37 | 8 | | |
| Casing | 0 | 2.5 | 2 | PVC | sch 40 |
| Screen | 2.5 | 35 | 2 | pvc | |

MATERIALS USED

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in.) | Inner Diameter (in.) | Material | | |
|-------------|-----------------------|--------------------------|-------------------------|-------------------------|------------------|--------------------|--------------|
| | | | | | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) |
| Grout | 0 | 35 | 2 | 0 | 10 | 200 | 16 |
| Sand/Gravel | | | | | | | |

ADDITIONAL INFORMATION

Obstructions: No

Authorization Official: _____

Obstruction Type: _____

Authorization Number: _____

Alternative Decomm. Method? No

Authorization Date: _____

Method Used _____

ATTACHMENTS: _____

Michael Kurzynowski
JOURNEYMAN
Sealing Driller: LICENSE # 0001062

MORETRENCH AMERICAN CORP
100 STICKLE AVE
Company: Rockaway (Morris), NJ 07866

WELL DECOMMISSIONING REPORT

PROPERTY OWNER: MARIA KAOURIS

Company/Organization: Honeywell International

Address: 101 Columbia Rd Moorestown, New Jersey 07962

WELL LOCATION: Study Area 5 - Site 090 & 184

Address: 500-520 State Rte 440

County: Hudson Municipality: Jersey City Lot: 5 Block: 1286

Easting (X): 604079 Northing (Y): 684591
Coordinate System: NJ State Plane (NAD83) - USFEET

**DATE WELL
DECOMMISSIONED:** April 18, 2011

WELL USE: MONITORING

Other Use(s): _____

Local ID: OW5-2

Reason for Decommissioning: No longer in use

Finished Well Depth (ft.): 25

Was a New Well Drilled? N

Formation Type: Unconsolidated

New Well Permit Number: _____

WELL DECOMMISSIONING INFORMATION

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt/Rating/Screen # Used (lbs/ch no.) |
|----------|-----------------------|--------------------------|----------------------|----------|--|
| Borehole | 0 | 25 | 8 | | |
| Casing | 0 | 5 | 2 | PVC | sch 40 |
| Screen | 5 | 20 | 2 | PVC | 20 |

MATERIALS USED

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in.) | Inner Diameter (in.) | Material | | |
|-------------|-----------------------|--------------------------|-------------------------|-------------------------|------------------|--------------------|--------------|
| | | | | | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) |
| Grout | 0 | 25 | 2 | 0 | 10 | 200 | 14 |
| Sand/Gravel | | | | | | | |

ADDITIONAL INFORMATION

Obstructions: No

Authorization Official: _____

Obstruction Type: _____

Authorization Number: _____

Alternative Decomm. Method? No

Authorization Date: _____

Method Used _____

ATTACHMENTS: _____

Michael Kurzynowski
JOURNEYMAN
Sealing Driller: LICENSE # 0001062

MORETRENCH AMERICAN CORP
100 STICKLE AVE
Company: Rockaway (Morris), NJ 07866

WELL DECOMMISSIONING REPORT

PROPERTY OWNER: MARIA KAOURIS

Company/Organization: Honeywell International

Address: 101 Columbia Rd Moorestown, New Jersey 07962

WELL LOCATION: Study Area 5 - Site 090 & 184

Address: 500-520 State Rte 440

County: Hudson Municipality: Jersey City Lot: 5 Block: 1286

Easting (X): 604137 Northing (Y): 684640
Coordinate System: NJ State Plane (NAD83) - USFEET

**DATE WELL
DECOMMISSIONED:** April 18, 2011

WELL USE: MONITORING

Other Use(s): _____

Local ID: OW5-3

Reason for Decommissioning: No longer in use

Finished Well Depth (ft.): 20

Was a New Well Drilled? N

Formation Type: Unconsolidated

New Well Permit Number: _____

WELL DECOMMISSIONING INFORMATION

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt/Rating/Screen # Used (lbs/ch no.) |
|----------|-----------------------|--------------------------|----------------------|----------|--|
| Borehole | 0 | 20 | 2 | | |
| Casing | 0 | 5 | 2 | PVC | sch 40 |
| Screen | 5 | 20 | 2 | pvc | 20 |

MATERIALS USED

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in.) | Inner Diameter (in.) | Material | | |
|-------------|-----------------------|--------------------------|-------------------------|-------------------------|------------------|--------------------|--------------|
| | | | | | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) |
| Grout | 0 | 20 | 2 | 0 | 10 | 200 | 14 |
| Sand/Gravel | | | | | | | |

ADDITIONAL INFORMATION

Obstructions: No

Authorization Official: _____

Obstruction Type: _____

Authorization Number: _____

Alternative Decomm. Method? No

Authorization Date: _____

Method Used _____

ATTACHMENTS: _____

Michael Kurzynowski
JOURNEYMAN
Sealing Driller: LICENSE # 0001062

MORETRENCH AMERICAN CORP
100 STICKLE AVE
Company: Rockaway (Morris), NJ 07866

WELL DECOMMISSIONING REPORT

PROPERTY OWNER: MARIA KAOURIS

Company/Organization: Honeywell International

Address: 101 Columbia Rd Moorestown, New Jersey 07962

WELL LOCATION: Study Area 5 - Site 090 & 184

Address: 500-520 State Rte 440

County: Hudson Municipality: Jersey City Lot: 5 Block: 1286

Easting (X): 604193 Northing (Y): 684503
Coordinate System: NJ State Plane (NAD83) - USFEET

**DATE WELL
DECOMMISSIONED:** April 18, 2011

WELL USE: MONITORING

Other Use(s): _____

Local ID: OW5-4

Reason for Decommissioning: No longer in use

Finished Well Depth (ft.): 20

Was a New Well Drilled? N

Formation Type: Unconsolidated

New Well Permit Number: _____

WELL DECOMMISSIONING INFORMATION

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt/Rating/Screen # Used (lbs/ch no.) |
|----------|-----------------------|--------------------------|----------------------|----------|--|
| Borehole | 0 | 20 | 8 | | |
| Casing | 0 | 5 | 2 | PVC | |
| Screen | 5 | 20 | 2 | pvc | |

MATERIALS USED

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in.) | Inner Diameter (in.) | Material | | |
|-------------|-----------------------|--------------------------|-------------------------|-------------------------|------------------|--------------------|--------------|
| | | | | | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) |
| Grout | 0 | 20 | 2 | 0 | 10 | 200 | 14 |
| Sand/Gravel | | | | | | | |

ADDITIONAL INFORMATION

Obstructions: No

Authorization Official: _____

Obstruction Type: _____

Authorization Number: _____

Alternative Decomm. Method? No

Authorization Date: _____

Method Used _____

ATTACHMENTS: _____

Michael Kurzynowski
JOURNEYMAN
Sealing Driller: LICENSE # 0001062

MORETRENCH AMERICAN CORP
100 STICKLE AVE
Company: Rockaway (Morris), NJ 07866

WELL DECOMMISSIONING REPORT

PROPERTY OWNER: MARIA KAOURIS

Company/Organization: Honeywell International

Address: 101 Columbia Rd Moorestown, New Jersey 07962

WELL LOCATION: Study Area 5 - Site 090 & 184

Address: 500-520 State Rte 440

County: Hudson Municipality: Jersey City Lot: 6D Block: 1286

Easting (X): 604275 Northing (Y): 684389
Coordinate System: NJ State Plane (NAD83) - USFEET

**DATE WELL
DECOMMISSIONED:** April 18, 2011

WELL USE: MONITORING

Other Use(s): _____

Local ID: OW5-5

Reason for Decommissioning: No longer in use

Finished Well Depth (ft.): 23

Was a New Well Drilled? N

Formation Type: Unconsolidated

New Well Permit Number: _____

WELL DECOMMISSIONING INFORMATION

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt/Rating/Screen # Used (lbs/ch no.) |
|----------|-----------------------|--------------------------|----------------------|----------|--|
| Borehole | 0 | 23 | 8 | | |
| Casing | 0 | 8 | 2 | PVC | |
| Screen | 8 | 23 | 2 | | |

MATERIALS USED

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in.) | Inner Diameter (in.) | Material | | |
|-------------|-----------------------|--------------------------|-------------------------|-------------------------|------------------|--------------------|--------------|
| | | | | | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) |
| Grout | 0 | 23 | 2 | 0 | 10 | 200 | 14 |
| Sand/Gravel | | | | | | | |

ADDITIONAL INFORMATION

Obstructions: No

Authorization Official: _____

Obstruction Type: _____

Authorization Number: _____

Alternative Decomm. Method? No

Authorization Date: _____

Method Used _____

ATTACHMENTS: _____

Michael Kurzynowski
JOURNEYMAN
Sealing Driller: LICENSE # 0001062

MORETRENCH AMERICAN CORP
100 STICKLE AVE
Company: Rockaway (Morris), NJ 07866

WELL DECOMMISSIONING REPORT

PROPERTY OWNER: MARIA KAOURIS

Company/Organization: Honeywell International

Address: 101 Columbia Rd Moorestown, New Jersey 07962

WELL LOCATION: Study Area 5 - Site 090 & 184

Address: 500-520 State Rte 440

County: Hudson Municipality: Jersey City Lot: 1 Block: 1286.5

Easting (X): 603987 Northing (Y): 685355
Coordinate System: NJ State Plane (NAD83) - USFEET

**DATE WELL
DECOMMISSIONED:** April 20, 2011

WELL USE: MONITORING

Other Use(s): _____

Local ID: OW6-1

Reason for Decommissioning: No longer in use

Finished Well Depth (ft.): 28

Was a New Well Drilled? N

Formation Type: Unconsolidated

New Well Permit Number: _____

WELL DECOMMISSIONING INFORMATION

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt/Rating/Screen # Used (lbs/ch no.) |
|----------|-----------------------|--------------------------|----------------------|----------|--|
| Borehole | 0 | 30 | 8 | | |
| Casing | 0 | 18 | 2 | PVC | Sch 80 |
| Screen | 18 | 28 | 2 | pvc | .20 |

MATERIALS USED

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in.) | Inner Diameter (in.) | Material | | |
|-------------|-----------------------|--------------------------|-------------------------|-------------------------|------------------|--------------------|--------------|
| | | | | | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) |
| Grout | 0 | 28 | 2 | 0 | 10 | 200 | 16 |
| Sand/Gravel | | | | | | | |

ADDITIONAL INFORMATION

Obstructions: No

Authorization Official: _____

Obstruction Type: _____

Authorization Number: _____

Alternative Decomm. Method? No

Authorization Date: _____

Method Used _____

ATTACHMENTS: _____

Michael Kurzynowski
JOURNEYMAN
Sealing Driller: LICENSE # 0001062

MORETRENCH AMERICAN CORP
100 STICKLE AVE
Company: Rockaway (Morris), NJ 07866

WELL DECOMMISSIONING REPORT

PROPERTY OWNER: MARIA KAOURIS

Company/Organization: Honeywell International

Address: 101 Columbia Rd Moorestown, New Jersey 07962

WELL LOCATION: Study Area 5 - Site 090 & 184

Address: 500-520 State Rte 440

County: Hudson Municipality: Jersey City Lot: 1 Block: 1286.5

Easting (X): 604123 Northing (Y): 685368
Coordinate System: NJ State Plane (NAD83) - USFEET

**DATE WELL
DECOMMISSIONED:** November 13, 2010

WELL USE: MONITORING

Other Use(s): _____

Local ID: OW6-2

Reason for Decommissioning: Site Excavated/Demolished

Finished Well Depth (ft.): 7.4

Was a New Well Drilled? N

Formation Type: Unconsolidated

New Well Permit Number: _____

WELL DECOMMISSIONING INFORMATION

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt/Rating/Screen # Used (lbs/ch no.) |
|----------|-----------------------|--------------------------|----------------------|----------|--|
| Borehole | 0 | 7 | 8 | | |
| Casing | 0 | 1.6 | 2 | PVC | sch 40 |
| Screen | 1.6 | 6.6 | 2 | pvc | .020 |

MATERIALS USED

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in.) | Inner Diameter (in.) | Material | | |
|-------------|-----------------------|--------------------------|-------------------------|-------------------------|------------------|--------------------|--------------|
| | | | | | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) |
| Grout | 0 | 0 | 2 | 0 | | 0 | 0 |
| Sand/Gravel | | | | | | | |

ADDITIONAL INFORMATION

Obstructions: No

Authorization Official: _____

Obstruction Type: _____

Authorization Number: _____

Alternative Decomm. Method? No

Authorization Date: _____

Method Used _____

ATTACHMENTS: _____

Michael Kurzynowski
JOURNEYMAN
Sealing Driller: LICENSE # 0001062

MORETRENCH AMERICAN CORP
100 STICKLE AVE
Company: Rockaway (Morris), NJ 07866

WELL DECOMMISSIONING REPORT

PROPERTY OWNER: MARIA KAOURIS

Company/Organization: Honeywell International

Address: 101 Columbia Rd Moorestown, New Jersey 07962

WELL LOCATION: Study Area 5 - Site 090 & 184

Address: 500-520 State Rte 440

County: Hudson Municipality: Jersey City Lot: 1 Block: 1286.5

Easting (X): 604119 Northing (Y): 685371
Coordinate System: NJ State Plane (NAD83) - USFEET

**DATE WELL
DECOMMISSIONED:** April 20, 2011

WELL USE: MONITORING

Other Use(s): _____

Local ID: OW6-3

Reason for Decommissioning: No longer in use

Finished Well Depth (ft.): 22.5

Was a New Well Drilled? N

Formation Type: Unconsolidated

New Well Permit Number: _____

WELL DECOMMISSIONING INFORMATION

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt/Rating/Screen # Used (lbs/ch no.) |
|----------|-----------------------|--------------------------|----------------------|----------|--|
| Borehole | 0 | 25 | 8 | | |
| Casing | 0 | 12.5 | 2 | PVC | Sch 80 |
| Screen | 12.5 | 22.5 | 2 | pvc | .20 |

MATERIALS USED

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in.) | Inner Diameter (in.) | Material | | |
|-------------|-----------------------|--------------------------|-------------------------|-------------------------|------------------|--------------------|--------------|
| | | | | | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) |
| Grout | 0 | 22.5 | 2 | 0 | 10 | 200 | 16 |
| Sand/Gravel | | | | | | | |

ADDITIONAL INFORMATION

Obstructions: No

Authorization Official: _____

Obstruction Type: _____

Authorization Number: _____

Alternative Decomm. Method? No

Authorization Date: _____

Method Used _____

ATTACHMENTS: _____

Michael Kurzynowski
JOURNEYMAN
Sealing Driller: LICENSE # 0001062

MORETRENCH AMERICAN CORP
100 STICKLE AVE
Company: Rockaway (Morris), NJ 07866

WELL DECOMMISSIONING REPORT

PROPERTY OWNER: MARIA KAOURIS

Company/Organization: Honeywell International

Address: 101 Columbia Rd Moorestown, New Jersey 07962

WELL LOCATION: Study Area 5 - Site 090 & 184

Address: 500-520 State Rte 440

County: Hudson Municipality: Jersey City Lot: 1 Block: 1286.5

Easting (X): 603985 Northing (Y): 685351
Coordinate System: NJ State Plane (NAD83) - USFEET

**DATE WELL
DECOMMISSIONED:** November 13, 2010

WELL USE: MONITORING

Other Use(s): _____

Local ID: OW6-4

Reason for Decommissioning: Site Excavated/Demolished

Finished Well Depth (ft.): 6.6

Was a New Well Drilled? N

Formation Type: Unconsolidated

New Well Permit Number: _____

WELL DECOMMISSIONING INFORMATION

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt/Rating/Screen # Used (lbs/ch no.) |
|----------|-----------------------|--------------------------|----------------------|----------|--|
| Borehole | 0 | 7.4 | 8 | | |
| Casing | 0 | 2.4 | 2 | PVC | sch 40 |
| Screen | 2.4 | 7.4 | 2 | pvc | .020 |

MATERIALS USED

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in.) | Inner Diameter (in.) | Material | | |
|-------------|-----------------------|--------------------------|-------------------------|-------------------------|------------------|--------------------|--------------|
| | | | | | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) |
| Grout | 0 | 7.4 | 2 | 0 | | 0 | 0 |
| Sand/Gravel | | | | | | | |

ADDITIONAL INFORMATION

Obstructions: No

Authorization Official: _____

Obstruction Type: _____

Authorization Number: _____

Alternative Decomm. Method? No

Authorization Date: _____

Method Used _____

ATTACHMENTS: _____

Michael Kurzynowski
JOURNEYMAN
Sealing Driller: LICENSE # 0001062

MORETRENCH AMERICAN CORP
100 STICKLE AVE
Company: Rockaway (Morris), NJ 07866

WELL DECOMMISSIONING REPORT

PROPERTY OWNER: MARIA KAOURIS

Company/Organization: Honeywell International

Address: 101 Columbia Rd Moorestown, New Jersey 07962

WELL LOCATION: Study Area 5 - Site 090 & 184

Address: 500-520 State Rte 440

County: Hudson Municipality: Jersey City Lot: 1 Block: 1286.5

Easting (X): 604025 Northing (Y): 685215
Coordinate System: NJ State Plane (NAD83) - USFEET

**DATE WELL
DECOMMISSIONED:** April 20, 2011

WELL USE: MONITORING

Other Use(s): _____

Local ID: OW6-5

Reason for Decommissioning: No longer in use

Finished Well Depth (ft.): 22

Was a New Well Drilled? N

Formation Type: Unconsolidated

New Well Permit Number: _____

WELL DECOMMISSIONING INFORMATION

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt/Rating/Screen # Used (lbs/ch no.) |
|----------|-----------------------|--------------------------|----------------------|----------|--|
| Borehole | 0 | 24 | 8 | | |
| Casing | 0 | 12 | 2 | PVC | Sch 80 |
| Screen | 12 | 22 | 2 | pvc | .20 |

MATERIALS USED

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in.) | Inner Diameter (in.) | Material | | |
|-------------|-----------------------|--------------------------|-------------------------|-------------------------|------------------|--------------------|--------------|
| | | | | | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) |
| Grout | 0 | 22 | 2 | 0 | 10 | 200 | 16 |
| Sand/Gravel | | | | | | | |

ADDITIONAL INFORMATION

Obstructions: No

Authorization Official: _____

Obstruction Type: _____

Authorization Number: _____

Alternative Decomm. Method? No

Authorization Date: _____

Method Used _____

ATTACHMENTS: _____

Michael Kurzynowski
JOURNEYMAN
Sealing Driller: LICENSE # 0001062

MORETRENCH AMERICAN CORP
100 STICKLE AVE
Company: Rockaway (Morris), NJ 07866

WELL DECOMMISSIONING REPORT

PROPERTY OWNER: MARIA KAOURIS

Company/Organization: Honeywell International

Address: 101 Columbia Rd Moorestown, New Jersey 07962

WELL LOCATION: Study Area 5 - Site 090 & 184

Address: 500-520 State Rte 440

County: Hudson Municipality: Jersey City Lot: 1 Block: 1286.5

Easting (X): 604029 Northing (Y): 685212
Coordinate System: NJ State Plane (NAD83) - USFEET

**DATE WELL
DECOMMISSIONED:** November 13, 2010

WELL USE: MONITORING

Other Use(s): _____

Local ID: OW6-6

Reason for Decommissioning: Site Excavated/Demolished

Finished Well Depth (ft.): 6.2

Was a New Well Drilled? N

Formation Type: Unconsolidated

New Well Permit Number: _____

WELL DECOMMISSIONING INFORMATION

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt/Rating/Screen # Used (lbs/ch no.) |
|----------|-----------------------|--------------------------|----------------------|----------|--|
| Borehole | 0 | 6.2 | 8 | | |
| Casing | 0 | 1.2 | 2 | PVC | sch 40 |
| Screen | 1.2 | 6.2 | 2 | pvc | .020 |

MATERIALS USED

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in.) | Inner Diameter (in.) | Material | | |
|-------------|-----------------------|--------------------------|-------------------------|-------------------------|------------------|--------------------|--------------|
| | | | | | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) |
| Grout | 0 | 0 | 0 | 0 | | 0 | 0 |
| Sand/Gravel | | | | | | | |

ADDITIONAL INFORMATION

Obstructions: No

Authorization Official: _____

Obstruction Type: _____

Authorization Number: _____

Alternative Decomm. Method? No

Authorization Date: _____

Method Used _____

ATTACHMENTS: _____

Michael Kurzynowski
JOURNEYMAN
Sealing Driller: LICENSE # 0001062

MORETRENCH AMERICAN CORP
100 STICKLE AVE
Company: Rockaway (Morris), NJ 07866

B & B DRILLING
P.O. BOX 8
NETCONG, NJ 07857
PHONE: 973-347-2250 / FAX 973-347-3864

FACSIMILE TRANSMITTAL SHEET

| | |
|-------------------------------------|--|
| TO: Steve Reya | FROM: H. Robert Seybold |
| COMPANY: Bureau of Water Allocation | DATE: 2/5/11 |
| FAX NUMBER: (609) 633-1231 | TOTAL NO. OF PAGES INC. COVER: 2 |
| PHONE NUMBER: | SENDER'S REFERENCE: Request for Well Decommissioning Authorization Block 1286, Lot 6 D Rt. 440, Jersey City, NJ |

☐ URGENT ☒ FOR REVIEW ☐ PER REQUEST ☒ PLEASE REPLY ☐ PLEASE RECYCLE

As a follow-up to our recent well search and various telephone conversations, B&B Drilling has been requested to decommission an apparent abandoned well discovered by one of Honeywell International's (PRP) contractors while performing excavation activities on the New Jersey City University Site, located on Route 440 in Jersey City, New Jersey. While excavating within a steel cofferdam the contractor encountered an apparent triple cased well installation. This well had been cut off approximately 20 feet below ground surface upon our initial inspection and was flowing at a rate of approximately 10 gallons per minute from the innermost (2 1/2") casing only.


On Friday 2/4/11 B&B's drilling crew fully exposed the subject well casings and successfully water jetted and cleared the inner well casing to its apparent full depth of 168 feet below prevailing grade (approximately 188 feet below surface elevation). Subsequently, the well casings have been extended approximately 20 feet to facilitate a scheduled backfilling operation within the existing cofferdam currently slated to begin early next week.

While we are satisfied that the well casings are secure and that all artesian flow has been stopped as a result of the casing extensions, we strongly recommend that this installation be pressure grouted prior to commencement of the backfilling operation to preclude the significant potential for casing damage and misalignment as a result of this proposed activity. We are advised that if we can gain State authorization to proceed with a full depth pressure grouting of the inner casing procedure on Monday 2/7/11, we will be accorded the time and necessary access to accomplish this objective prior to backfilling of the excavation.

We recognize the fact that there is no practical means of determining the depth and condition of the outer two steel casings and only suspect that they were likely installed with a cable tool rig some number of years ago. Bedrock in the vicinity of the subject installation has been encountered at depth ranging between 90 and 120 feet. It is therefore likely that this well is a bedrock installation. In light of the fact that we did not observe any groundwater flow emanating from either the 4 x 5-inch or the 2 1/2 x 4-inch annulus, we believe that by pressure grouting the inner casing at this time we will effectively prevent any further potential for future cross contamination between the unconsolidated groundwater aquifer system and the apparent bedrock aquifer connection to this well.

We are therefore requesting authorization to proceed with this well decommissioning incorporating the application of full depth pressure tremie grouting procedures of the 2 1/2" inner casing only and in compliance with the NJDEP regulations for this application.

Yours truly,


H. Robert Scybold, P.E., JD 1611
President

Approval to Decommission GRANTED FEBRUARY 11, 2011

STEVE REYN

Approval # A 1102029

NOTE: NO WELL PERMIT OR WELL RECORDS ON FILE

My Workspace

User Profile

Certifications

Payments

Documents and Forms

Permit Folder

ersion: 4.10

BBDR

Currently logged in: Gordon Blewett (GBLEWETT)

B & B DRILLING INC

Help | Logout

APPLICATION DISPLAY

| WELL DECOMMISSIONING SUBMITTAL PDF | | | | | | | |
|------------------------------------|-----------------------|---|--|---|---------------------------------|--------------|------|
| PROPERTY OWNER: | | NEW JERSEY CITY UNIVERSITY | | | | | |
| Organization: | | NEW JERSEY CITY UNIVERSITY | | | | | |
| Address: | | 2039 KENNEDY BLVD, Jersey City (Hudson), New Jersey 07305 | | | | | |
| WELL LOCATION: | | NEW JERSEY CITY UNIVERSITY | | | | | |
| Well Location Description: | | NJCU US ROUTE 440 | | | | | |
| Address: | | STSTE HWY ROUT 440 | | | | | |
| County: | Hudson | Municipality: | Jersey City | Lot: | 6D | Block: | 1286 |
| Easting(X): | 604193 | Northing(Y): | 684424 | Coordinate System: | NJ State Plane (NAD83) - USFEET | | |
| Method: | GPS | | | Point of Reference: | Well | | |
| GPS Manufacturer: | | | | Surveyor Name: | | | |
| GPS Model: | | | | Surveyor License #: | | | |
| Accuracy: | 1 | Accuracy units: | | | Feet | | |
| WELL USE: | | Monitoring | | DATE WELL | | | |
| Other Use(s): | | | | DECOMMISSIONED: | | 02/23/2011 | |
| Reason for Decommissioning: | | Improperly Constructed | | | | | |
| Was a New Well Drilled? | | No New Well Permit Number: | | | | | |
| WELL DECOMMISSIONING INFORMATION | | | | | | | |
| Permit Number: | | | | | | | |
| Local ID: | NJCU W-1 | Drilling Company: | B & B DRILLING INC | | | | |
| Finished Well Depth (ft.): | 175 | Address: | PO Box 8, Netcong (Morris), New Jersey 07857 | | | | |
| Formation Type: | Consolidated | Driller Name and Lic.: | Gordon Blewett, 0021852 | | | | |
| Well Search Completed? | Yes | | | | | | |
| Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt./Rating/Screen Slot # (lbs/sch no.) | | | |
| Borehole(s) | | | N/A | N/A | | | |
| Casing(s) | 0 | 175 | 2.5 | Steel | 3/16" WALL | | |
| Screen(s) | | | | | | | |
| MATERIALS USED | | | | | | | |
| Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in) | Inner Diameter (in) | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) | |
| Grout | 0 | 75 | 2.5 | 0 | 1300 | 70 | |
| Gravel | | | | | | | |
| Pack | | | | | | | |
| Grouting Method: | | Pressure method (Tremie Pipe) | | | | | |
| ADDITIONAL INFORMATION | | | | | | | |
| Obstructions: | No | Authorization Official: | Steven Reya | | | | |
| Obstruction Type: | | Authorization Number: | A1102029 | | | | |
| Alternative Decomm. Method? | No | Authorization Date: | 02/11/2011 | | | | |
| Method Used: | | | | | | | |
| ATTACHMENTS: | | | | | | | |

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 Department of Environmental Protection
 P.O. Box 402
 Trenton, NJ 08625-0402

Last Updated: June 24, 2004

WELL CONSTRUCTION RECORDS

WELL PERMIT

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit

Certifying Driller: H. ROBERT SEYBOLD, JOURNEYMAN LICENSE # 0001348

Permit Issued to: B & B DRILLING INC

Company Address: BOX 8 RT 206 NETCONG, NJ 07857

PROPERTY OWNER

Name: NEW JERSEY CITY UNIVERSITY

Organization: NEW JERSEY CITY UNIVERSITY

Address: 2039 KENNEDY BLVD.

City: Jersey City **State:** New Jersey **Zip Code:** 07305

PROPOSED WELL LOCATION

Facility Name: NEW JERSEY CITY UNIVERSITY

Address: 500 US RT 400

County: Hudson **Municipality:** Jersey City **Lot:** 5 **Block:** 1286

Easting (X): 604126 **Northing (Y):** 684481

Coordinate System: NJ State Plane (NAD83) - USFEET

Local ID: 090-PZ-003

SITE CHARACTERISTICS

PROPOSED CONSTRUCTION

WELL USE: PIEZOMETER

Other Use(s): _____

Diameter (in.): 2

Regulatory Program

Requiring Wells/Borings: _____

Depth (ft.): 20

Case ID Number: _____

Pump Capacity (gpm): 0

Deviation Requested: N

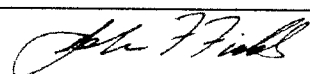
Drilling Method: Hollow Stem Augers

Attachments: _____

SPECIFIC CONDITIONS/REQUIREMENTS

Approval Date: April 5, 2011
Expiration Date: April 4, 2012

Approved by the authority of:
Bob Martin
Commissioner


John Fields, Acting Bureau Chief
Bureau of Water Systems and Well Permitting

This document has not yet been reviewed and approved or denied by the NJ DEP. Deficiencies in submittal information or actual construction may result in denial.

WELL RECORD SUBMITTAL PDF

PROPERTY OWNER: NEW JERSEY CITY UNIVERSITY
Organization: NEW JERSEY CITY UNIVERSITY
Address: 2039 KENNEDY BLVD., Jersey City (Hudson), New Jersey 07305

WELL LOCATION: NEW JERSEY CITY UNIVERSITY
Address: 500 US RT 400
County: Hudson **Municipality:** Jersey City **Lot:** 5 **Block:** 1286
Easting(X): 603950 **Northing(Y):** 684681 **Coordinate System:** NJ State Plane (NAD83) - USFEET
Method: Survey frm Benchmark **Point of Reference:** Well
GPS Manufacturer: _____ **Surveyor Name:** GLEN J. LLOYD
GPS Model: _____ **Surveyor License #:** GS037598
Accuracy: 1 **Accuracy units:** Feet

WELL USE: Piezometer **DATE WELL STARTED:** 04/08/2011
Other Use(s): _____ **DATE WELL COMPLETED:** 04/11/2011

WELL CONSTRUCTION

Permit Number E201104930 **Total Depth Drilled(ft):** 20 **Drilling Company:** _____
Local ID: 090-PZ-003 **Finished Well Depth(ft):** 20 **Driller Name:** David Myerchin
Well was finished: Flush Mount **License No.:** 0001372

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt./Rating/Screen Slot # (lbs/sch no.) |
|-------------|-----------------------|--------------------------|----------------------|----------|--|
| Borehole(s) | 0 | 20 | 6 | N/A | N/A |
| Casing(s) | 0 | 15 | 2 | PVC | SH 40 |
| Screen(s) | 15 | 20 | 2 | PVC | 0.010" |

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in) | Inner Diameter (in) | Material | | |
|-------------|-----------------------|--------------------------|------------------------|------------------------|------------------|--------------------|--------------|
| | | | | | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) |
| Grout | 0 | 14 | 6 | 2 | 0 | 188 | 10 |
| Gravel Pack | 14 | 20 | 6 | 2 | MORIE #1 | | |

Grouting Method: Pressure method (Tremie Pipe) **Drilling Method:** Hollow Stem Augers

Additional Information: _____

Attachments: _____

RECORD OF TEST

Test Date: _____ **Depth to Pump:** _____ ft. below land surface

Pump Capacity: _____ gpm

Static Water Level: 6 ft. below land surface Total Design Head: _____ ft.

Pumping Water Level: _____ ft. below land surface Pump Horsepower: _____

Water Level Measure Tool: M-SCOPE If pump tested Discharge Rate: _____ gpm

Pumping Equipment: _____ Duration of Test: _____ hours

Well Yield: _____ gpm Date Boring Decommissioned: _____

PUMPING EQUIPMENT AND ADDITIONAL INFORMATION

Installed: _____ Well Development Period: 1 hours

Installer's Name: _____ Method of Development: _____

Installer's Registration No.: _____ Protective Casing: Yes

Pump Type: _____ Drilling Fluid: _____

Drill Rig: MOBIL B-57

Health and Safety Plan: Yes

GEOLOGIC LOG

| Depth to Top | Depth to Bottom | Color | USCS | Additional Description |
|--------------|-----------------|-------|---|------------------------|
| 0 | 12 | BRN | GC - Clayey gravels, gravel-sand-clay mixtures | FILL |
| 12 | 20 | BRN | SM - Silty sands, sand-silt mixtures | |

PENDING APPROVAL

AMEC Environment & Infrastructure

| | | | | |
|---|--|---|--|--|
| Project: Honeywell SA-5 Site 090 | | Number: 3480110292 | Monitoring Well 090-PZ-05 AKA 090-PZ-03 | |
| Client: Honeywell | | Date: 4/8/2011 | Subcontractor: B&B Drilling, Inc. | |
| Drilling Method: Hollow Stem Auger | | Measuring Point Type: Ground surface Elevation (ft): 17.48 | | |
| Development Method: Peristaltic Pump | | | | |
| Bucking Posts: NA | | | | |

| Item | Depth, below Measuring Point (ft) | Elevation (ft) | Description |
|--------------------|-----------------------------------|----------------|---|
| Grade | 17.48 | | Flushmount Diameter: 8 " |
| Riser Pipe | 0.25 | | Surface Seal Type: Concrete |
| | | | Backfill/Grout Type: Bentonite/Cement Mix |
| | | | Riser Pipe Type: schedule 40 PVC |
| | | | Riser Pipe ID: 2" |
| | | | Borehole Diameter: 6" |
| Top of Seal | 11 | 6.48 | Type of Seal: #00 SAND |
| Top of Filter Pack | 12 | 5.48 | |
| Top of Screen | 14 | 3.48 | Screen Type: schedule 40 PVC |
| | | | Screen ID: 2" |
| | | | Screen Slot Size: 0.010" |
| | | | Screen Length: 5' |
| | | | Filter/Sand Pack Type: NA |
| Base of Screen | 19 | -1.52 | |
| End Cap | 19 | -1.52 | Sump: NA |
| Drilled Depth | 19 | -1.52 | Fallback/Backfill: NA |
| Total Depth | 19 | -1.52 | |

Notes: NA: Not Applicable

WELL PERMIT

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit

Certifying Driller: H. ROBERT SEYBOLD, JOURNEYMAN LICENSE # 0001348

Permit Issued to: B & B DRILLING INC

Company Address: BOX 8 RT 206 NETCONG, NJ 07857

PROPERTY OWNER

Name: NEW JERSEY CITY UNIVERSITY

Organization: NEW JERSEY CITY UNIVERSITY

Address: 2039 KENNEDY BLVD.

City: Jersey City **State:** New Jersey **Zip Code:** 07305

PROPOSED WELL LOCATION

Facility Name: NEW JERSEY CITY UNIVERSITY

Address: 500 US RT 400

County: Hudson **Municipality:** Jersey City **Lot:** 5 **Block:** 1286

Easting (X): 603950 **Northing (Y):** 684680
Coordinate System: NJ State Plane (NAD83) - USFEET

Local ID: 090-PZ-004

SITE CHARACTERISTICS

PROPOSED CONSTRUCTION

WELL USE: PIEZOMETER

Other Use(s): _____

Diameter (in.): 2

Regulatory Program

Requiring Wells/Borings: _____

Depth (ft.): 20

Case ID Number: _____

Pump Capacity (gpm): 0

Deviation Requested: N

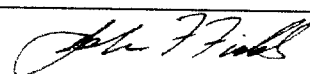
Drilling Method: Hollow Stem Augers

Attachments: _____

SPECIFIC CONDITIONS/REQUIREMENTS

Approval Date: April 5, 2011
Expiration Date: April 4, 2012

Approved by the authority of:
Bob Martin
Commissioner


John Fields, Acting Bureau Chief
Bureau of Water Systems and Well Permitting

This document has not yet been reviewed and approved or denied by the NJ DEP. Deficiencies in submittal information or actual construction may result in denial.

WELL RECORD SUBMITTAL PDF

PROPERTY OWNER: NEW JERSEY CITY UNIVERSITY
Organization: NEW JERSEY CITY UNIVERSITY
Address: 2039 KENNEDY BLVD., Jersey City (Hudson), New Jersey 07305

WELL LOCATION: NEW JERSEY CITY UNIVERSITY
Address: 500 US RT 400
County: Hudson **Municipality:** Jersey City **Lot:** 5 **Block:** 1286
Easting(X): 604141 **Northing(Y):** 684686 **Coordinate System:** NJ State Plane (NAD83) - USFEET
Method: Survey frm Benchmark **Point of Reference:** Well
GPS Manufacturer: _____ **Surveyor Name:** GLEN J. LLOYD
GPS Model: _____ **Surveyor License #:** GS037598
Accuracy: 1 **Accuracy units:** Feet

WELL USE: Piezometer **DATE WELL STARTED:** 04/08/2011
Other Use(s): _____ **DATE WELL COMPLETED:** 04/11/2011

WELL CONSTRUCTION

Permit Number E201104931 **Total Depth Drilled(ft):** 20 **Drilling Company:** _____
Local ID: 090-PZ-004 **Finished Well Depth(ft):** 20 **Driller Name:** David Myerchin
Well was finished: Flush Mount **License No.:** 0001372

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt./Rating/Screen Slot # (lbs/sch no.) |
|-------------|-----------------------|--------------------------|----------------------|----------|--|
| Borehole(s) | 0 | 20 | 6 | N/A | N/A |
| Casing(s) | 0 | 15 | 6 | PVC | SH 40 |
| Screen(s) | 15 | 20 | 2 | PVC | 0.010" |

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in) | Inner Diameter (in) | Material | | |
|-------------|-----------------------|--------------------------|------------------------|------------------------|------------------|--------------------|--------------|
| | | | | | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) |
| Grout | 0 | 14 | 6 | 2 | 0 | 188 | 10 |
| Gravel Pack | 14 | 20 | 6 | 2 | MORIE #1 | | |

Grouting Method: Pressure method (Tremie Pipe) **Drilling Method:** Hollow Stem Augers

Additional Information: _____
Attachments: _____

RECORD OF TEST

Test Date: _____ **Depth to Pump:** _____ ft. below land surface
Pump Capacity: _____ gpm

Static Water Level: 6 ft. below land surface Total Design Head: _____ ft.

Pumping Water Level: _____ ft. below land surface Pump Horsepower: _____

Water Level Measure Tool: M-SCOPE If pump tested Discharge Rate: _____ gpm

Pumping Equipment: _____ Duration of Test: _____ hours

Well Yield: _____ gpm Date Boring Decommissioned: _____

PUMPING EQUIPMENT AND ADDITIONAL INFORMATION

Installed: _____ Well Development Period: 1 hours

Installer's Name: _____ Method of Development: _____

Installer's Registration No.: _____ Protective Casing: Yes

Pump Type: _____ Drilling Fluid: _____

Drill Rig: MOBIL B-57

Health and Safety Plan: Yes

GEOLOGIC LOG

| Depth to Top | Depth to Bottom | Color | USCS | Additional Description |
|--------------|-----------------|-------|--|------------------------|
| 0 | 9 | BRN | GM - Silty gravels, gravel-sand-silt mixtures | FILL |
| 9 | 20 | BRN | SM - Silty sands, sand-silt mixtures | |

PENDING APPROVAL

AMEC Environment & Infrastructure

| | | | | |
|---|--|---|--|--|
| Project: Honeywell SA-5 Site 090 | | Number: 3480110292 | Monitoring Well 090-PZ-06 AKA 090-PZ-04 | |
| Client: Honeywell | | Date: 4/8/2011 | Subcontractor: B&B Drilling, Inc. | |
| Drilling Method: Hollow Stem Auger | | Measuring Point Type: Ground surface Elevation (ft): 17.91 | | |
| Development Method: Peristaltic Pump | | | | |
| Bucking Posts: NA | | | | |

| Item | Depth, below Measuring Point (ft) | Elevation (ft) | Description |
|--------------------|-----------------------------------|----------------|---|
| Grade | 17.91 | | Flushmount Diameter: 8 " |
| Riser Pipe | 0.25 | | Surface Seal Type: Concrete |
| | | | Backfill/Grout Type: Bentonite/Cement Mix |
| | | | Riser Pipe Type: schedule 40 PVC |
| | | | Riser Pipe ID: 2" |
| | | | Borehole Diameter: 6" |
| Top of Seal | 11 | 6.91 | Type of Seal: #00 SAND |
| Top of Filter Pack | 12 | 5.91 | |
| Top of Screen | 14 | 3.91 | Screen Type: schedule 40 PVC |
| | | | Screen ID: 2" |
| | | | Screen Slot Size: 0.010" |
| | | | Screen Length: 5' |
| | | | Filter/Sand Pack Type: NA |
| Base of Screen | 19 | -1.09 | |
| End Cap | 19 | -1.09 | Sump: NA |
| Drilled Depth | 19 | -1.09 | Fallback/Backfill: NA |
| Total Depth | 19 | -1.09 | |

Notes: NA: Not Applicable

MONITORING WELL CERTIFICATION – FORM A – AS-BUILT CERTIFICATION

Name of Permittee: New Jersey City University
 Name of Facility: New Jersey City University
 Location: Hudson County, New Jersey
 NJDES Permit No.: Case No.: 031779

CERTIFICATION:

| | |
|--|---------------------------|
| Well Permit Number (as assigned by NJDEP's Bureau of Water Allocation): | E201104930 |
| Owner's Well Number (as shown on the application or plans): | 090-PZ-003 aka 090-PZ-005 |
| Well Completion Date: | 04/11/11 |
| Distance from Top of Casing (cap off) to ground surface (to the nearest ½ foot): | -0.25 |
| Total Depth of Well to the nearest ½ foot: (finished well depth) | 20.0 FT |
| Depth to Top of Screen to top of Casing (to the nearest ½ foot): | 15.0 FT |
| Screen Length: | 5.0 FT |
| Screen or Slot Size: | .010" |
| Screen or Slot Material (in.): | PVC |
| Casing Material: (pvc, steel or other-specify): | PVC |
| Casing Diameter (inches): | 2 INCH |
| Static Water Level from Top of Casing at the time of installation (to the nearest ½ foot): | 6.0 FT |
| Yield (gallons per minute): | < 1 |
| Development Technique (specify): | PUMP & SURGE |
| Length of Time Well is Developed/Pumped or Bailed: | 1.0 HR |
| Lithologic Log: | See NJDEP Well Record |

Authentication:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

DAVID MYERCHIN

Name (type or print)

Signature

Certification or License No. JD001635

Certification by Executive Officer or Duly Authorized Representative

Name (type or print)

H. ROBERT SEYBOLD

Signature

Title President

Date 05/25/12

MONITORING WELL CERTIFICATION – FORM A – AS-BUILT CERTIFICATION

Name of Permittee: New Jersey City University
 Name of Facility: New Jersey City University
 Location: Hudson County, New Jersey
 NJDES Permit No.: Case No.: 031779

CERTIFICATION:

| | |
|--|---------------------------|
| Well Permit Number (as assigned by NJDEP's Bureau of Water Allocation): | E201104931 |
| Owner's Well Number (as shown on the application or plans): | 090-PZ-004 aka 090-PZ-006 |
| Well Completion Date: | 04/11/11 |
| Distance from Top of Casing (cap off) to ground surface (to the nearest ½ foot): | -0.25 |
| Total Depth of Well to the nearest ½ foot: (finished well depth) | 20.0 FT |
| Depth to Top of Screen to top of Casing (to the nearest ½ foot): | 15.0 FT |
| Screen Length: | 5.0 FT |
| Screen or Slot Size: | .010" |
| Screen or Slot Material (in.): | PVC |
| Casing Material: (pvc, steel or other-specify): | PVC |
| Casing Diameter (inches): | 2 INCH |
| Static Water Level from Top of Casing at the time of installation (to the nearest ½ foot): | 6.0 FT |
| Yield (gallons per minute): | < 1 |
| Development Technique (specify): | PUMP & SURGE |
| Length of Time Well is Developed/Pumped or Bailed: | 1.0 HR |
| Lithologic Log: | See NJDEP Well Record |

Authentication:

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DAVID MYERCHIN

Name (type or print)

Signature

Certification or License No. JD001635

Certification by Executive Officer or Duly Authorized Representative

Name (type or print)

H. ROBERT SEYBOLD

Signature

Title President

Date 05/25/12

MONITORING WELL CERTIFICATION – FORM A – AS-BUILT CERTIFICATION

Name of Permittee: New Jersey City University
 Name of Facility: New Jersey City University
 Location: Hudson County, New Jersey
 NJDES Permit No.: Case No.: 000015

CERTIFICATION:

| | |
|--|-----------------------|
| Well Permit Number (as assigned by NJDEP's Bureau of Water Allocation): | E201108188 |
| Owner's Well Number (as shown on the application or plans): | 184-MW-004 |
| Well Completion Date: | 06/10/11 |
| Distance from Top of Casing (cap off) to ground surface (to the nearest ½ foot): | -0.25 |
| Total Depth of Well to the nearest ½ foot: (finished well depth) | 7.0 FT |
| Depth to Top of Screen to top of Casing (to the nearest ½ foot): | 3.0 FT |
| Screen Length: | 4.0 FT |
| Screen or Slot Size: | .010" |
| Screen or Slot Material (in.): | PVC |
| Casing Material: (pvc, steel or other-specify): | PVC |
| Casing Diameter (inches): | 2 INCH |
| Static Water Level from Top of Casing at the time of installation (to the nearest ½ foot): | 4.1 FT |
| Yield (gallons per minute): | >1 |
| Development Technique (specify): | PUMP & SURGE |
| Length of Time Well is Developed/Pumped or Bailed: | 0.5 HR |
| Lithologic Log: | See NJDEP Well Record |

Authentication:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

WARREN E. BLEWETT

Name (type or print)

Signature

Certification or License No. JD0014578

Certification by Executive Officer or Duly Authorized Representative

Name (type or print)

H. ROBERT SEYBOLD

Signature

Title President

Date 05/25/12

MONITORING WELL CERTIFICATION – FORM A – AS-BUILT CERTIFICATION

Name of Permittee: New Jersey City University
 Name of Facility: New Jersey City University
 Location: Hudson County, New Jersey
 NJDES Permit No.: Case No.: 000015

CERTIFICATION:

| | |
|--|-----------------------|
| Well Permit Number (as assigned by NJDEP's Bureau of Water Allocation): | E201108189 |
| Owner's Well Number (as shown on the application or plans): | 184-MW-005 |
| Well Completion Date: | 06/09/11 |
| Distance from Top of Casing (cap off) to ground surface (to the nearest ½ foot): | -0.25 |
| Total Depth of Well to the nearest ½ foot: (finished well depth) | 8.0 FT |
| Depth to Top of Screen to top of Casing (to the nearest ½ foot): | 3.0 FT |
| Screen Length: | 5.0 FT |
| Screen or Slot Size: | .010" |
| Screen or Slot Material (in.): | PVC |
| Casing Material: (pvc, steel or other-specify): | PVC |
| Casing Diameter (inches): | 2 INCH |
| Static Water Level from Top of Casing at the time of installation (to the nearest ½ foot): | 4.1 FT |
| Yield (gallons per minute): | < 1 |
| Development Technique (specify): | PUMP & SURGE |
| Length of Time Well is Developed/Pumped or Bailed: | 0.5 HR |
| Lithologic Log: | See NJDEP Well Record |

Authentication:

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WARREN E. BLEWETT

Name (type or print)

Signature

Certification or License No. JD0014578

Certification by Executive Officer or Duly Authorized Representative

Name (type or print)

H. ROBERT SEYBOLD

Signature

Title President

Date 05/25/12

MONITORING WELL CERTIFICATION – FORM A – AS-BUILT CERTIFICATION

Name of Permittee: New Jersey City University
 Name of Facility: New Jersey City University
 Location: Hudson County, New Jersey
 NJDES Permit No.: Case No.: 000015

CERTIFICATION:

| | |
|--|-----------------------|
| Well Permit Number (as assigned by NJDEP's Bureau of Water Allocation): | E201108190 |
| Owner's Well Number (as shown on the application or plans): | 184-MW-006 |
| Well Completion Date: | 06/09/11 |
| Distance from Top of Casing (cap off) to ground surface (to the nearest ½ foot): | -0.25 |
| Total Depth of Well to the nearest ½ foot: (finished well depth) | 10.5 FT |
| Depth to Top of Screen to top of Casing (to the nearest ½ foot): | 5.5 FT |
| Screen Length: | 5.0 FT |
| Screen or Slot Size: | .010" |
| Screen or Slot Material (in.): | PVC |
| Casing Material: (pvc, steel or other-specify): | PVC |
| Casing Diameter (inches): | 2 INCH |
| Static Water Level from Top of Casing at the time of installation (to the nearest ½ foot): | 4.1 FT |
| Yield (gallons per minute): | < 1 |
| Development Technique (specify): | PUMP & SURGE |
| Length of Time Well is Developed/Pumped or Bailed: | 0.5 HR |
| Lithologic Log: | See NJDEP Well Record |

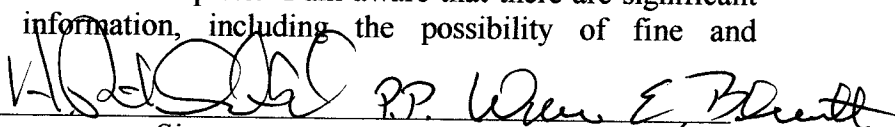
Authentication:

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WARREN E. BLEWETT

Name (type or print)

Signature



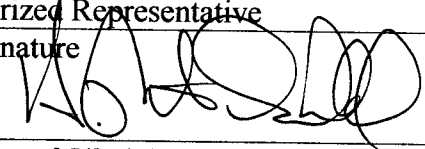
Certification or License No. JD0014578

Certification by Executive Officer or Duly Authorized Representative

Name (type or print)

Signature

H. ROBERT SEYBOLD



Title President

Date 05/25/12



New Jersey Department of Environmental Protection
Site Remediation Program

Monitoring Well Certification Form B - Location Certification

Date Stamp
(For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: New Jersey City University

List all AKAs: _____

Street Address: 520 US Rte 440

Municipality: Jersey City (Township, Borough or City)

County: Hudson

Zip Code: _____

Program Interest (PI) Number(s): 002633

Case Tracking Number(s): 97-04-07-1208-28

SECTION B. WELL OWNER AND LOCATION

1. Name of Well Owner New Jersey City University

2. Well Location (Street Address) 520 US Rte 440, Jersey City, Hudson County, NJ

3. Well Location (Municipal Block and Lot) Block# 1285.5 Lot # 1

SECTION C. WELL LOCATION SPECIFICS

1. Well Permit Number (This number must be permanently affixed to the well casing): E201108190

2. Site Well Number As shown on application or plans): 184-MW-06

3. Geographic Coordinate NAD 83 to nearest 1/10 of a second:

Longitude: West 074-05-44.2

Latitude: North 40-42-46.2

4. New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 684842

East 604226

5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 12.51 (NGVD29)

6. Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

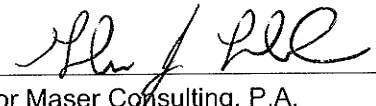
NGS Bench Mark KV0272. Elevation = 36.37' (NGVD29). (Subtract 1.14' to convert elevation to NAVD88 datum)

7. Significant observations and notes:

SECTION D. LAND SURVEYOR'S CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

Professional Land Surveyor's Signature:  Date 05/29/2012
Surveyor's Name: Glen J. Lloyd, PLS for Maser Consulting, P.A. License Number: GS037598
Mailing Address 331 Newman Springs Road, Suite 203
City/Town: Red Bank State NJ Zip Code: 07701
Phone Number 732-383-1950 Ext.: 3466 Fax: 732-383-1984



New Jersey Department of Environmental Protection
Site Remediation Program

Monitoring Well Certification Form B - Location Certification

Date Stamp
(For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: New Jersey City University

List all AKAs: _____

Street Address: 520 US Rte 440

Municipality: Jersey City (Township, Borough or City)

County: Hudson Zip Code: _____

Program Interest (PI) Number(s): 002633 Case Tracking Number(s): 97-04-07-1208-28

SECTION B. WELL OWNER AND LOCATION

1. Name of Well Owner New Jersey City University

2. Well Location (Street Address) 520 US Rte 440, Jersey City, Hudson County, NJ

3. Well Location (Municipal Block and Lot) Block# 1285.5 Lot # 1

SECTION C. WELL LOCATION SPECIFICS

1. Well Permit Number (This number must be permanently affixed to the well casing): E201108189

2. Site Well Number As shown on application or plans: 184-MW-05

3. Geographic Coordinate NAD 83 to nearest 1/10 of a second:

Longitude: West 074-05-46.0 Latitude: North 40-42-48.8

4. New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 685098 East 604084

5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 10.14 (NGVD29)

6. Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)


NGS Bench Mark KV0272. Elevation = 36.37' (NGVD29). (Subtract 1.14' to convert elevation to NAVD88 datum)

7. Significant observations and notes:

SECTION D. LAND SURVEYOR'S CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

Professional Land Surveyor's Signature:  Date 05/29/2012
Surveyor's Name: Glen J. Lloyd, PLS for Maser Consulting, P.A. License Number: GS037598
Mailing Address 331 Newman Springs Road, Suite 203
City/Town: Red Bank State NJ Zip Code: 07701
Phone Number 732-383-1950 Ext.: 3466 Fax: 732-383-1984



New Jersey Department of Environmental Protection
Site Remediation Program

Monitoring Well Certification Form B - Location Certification

Date Stamp
(For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: New Jersey City University

List all AKAs: _____

Street Address: 520 US Rte 440

Municipality: Jersey City (Township, Borough or City)

County: Hudson

Zip Code: _____

Program Interest (PI) Number(s): 002633

Case Tracking Number(s): 97-04-07-1208-28

SECTION B. WELL OWNER AND LOCATION

1. Name of Well Owner New Jersey City University

2. Well Location (Street Address) 520 US Rte 440, Jersey City, Hudson County, NJ

3. Well Location (Municipal Block and Lot) Block# 1285.5 Lot # 1

SECTION C. WELL LOCATION SPECIFICS

1. Well Permit Number (This number must be permanently affixed to the well casing): E201108188

2. Site Well Number As shown on application or plans): 184-MW-04

3. Geographic Coordinate NAD 83 to nearest 1/10 of a second:

Longitude: West 074-05-44.9 Latitude: North 40-42-51.2

4. New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 685345 East 604163

5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 8.74 (NGVD29)

6. Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)


NGS Bench Mark KV0272. Elevation = 36.37' (NGVD29). (Subtract 1.14' to convert elevation to NAVD88 datum)

7. Significant observations and notes:

SECTION D. LAND SURVEYOR'S CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

| | | | |
|---|---|-----------------|--------------------------------------|
| Professional Land Surveyor's Signature: |  | Date | <u>05/29/2012</u> |
| Surveyor's Name: | <u>Glen J. Lloyd, PLS for Maser Consulting, P.A.</u> | License Number: | <u>GS037598</u> |
| Mailing Address | <u>331 Newman Springs Road, Suite 203</u> | | |
| City/Town: | <u>Red Bank</u> | State | <u>NJ</u> Zip Code: <u>07701</u> |
| Phone Number | <u>732-383-1950</u> | Ext.: | <u>3466</u> Fax: <u>732-383-1984</u> |



New Jersey Department of Environmental Protection
Site Remediation Program

Monitoring Well Certification Form B - Location Certification

Date Stamp
(For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: New Jersey City University

List all AKAs: _____

Street Address: 500 US Rte 440

Municipality: Jersey City (Township, Borough or City)

County: Hudson

Zip Code: _____

Program Interest (PI) Number(s): 002633

Case Tracking Number(s): 97-04-07-1208-28

SECTION B. WELL OWNER AND LOCATION

1. Name of Well Owner New Jersey City University

2. Well Location (Street Address) 500 US Rte 440, Jersey City, Hudson County, NJ

3. Well Location (Municipal Block and Lot) Block# 1286 Lot # 5

SECTION C. WELL LOCATION SPECIFICS

1. Well Permit Number (This number must be permanently affixed to the well casing): E201104931

2. Site Well Number As shown on application or plans): 090-PZ-06

3. Geographic Coordinate NAD 83 to nearest 1/10 of a second:

Longitude: West 074-05-45.3 Latitude: North 40-42-42.8

4. New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 684496 East 604141

5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 17.64 (NGVD29)

6. Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

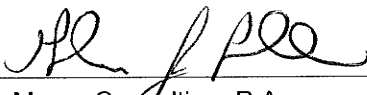
NGS Bench Mark KV0272. Elevation = 36.37' (NGVD29). (Subtract 1.14' to convert elevation to NAVD88 datum)

7. Significant observations and notes:

SECTION D. LAND SURVEYOR'S CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

| | | | |
|---|---|-----------------|--------------------------------------|
| Professional Land Surveyor's Signature: |  | Date | <u>05/29/2012</u> |
| Surveyor's Name: | <u>Glen J. Lloyd, PLS for Maser Consulting, P.A.</u> | License Number: | <u>GS037598</u> |
| Mailing Address | <u>331 Newman Springs Road, Suite 203</u> | | |
| City/Town: | <u>Red Bank</u> | State | <u>NJ</u> Zip Code: <u>07701</u> |
| Phone Number | <u>732-383-1950</u> | Ext.: | <u>3466</u> Fax: <u>732-383-1984</u> |



New Jersey Department of Environmental Protection
Site Remediation Program

Monitoring Well Certification Form B - Location Certification

Date Stamp
(For Department use only)

SECTION A. SITE NAME AND LOCATION

Site Name: New Jersey City University

List all AKAs: _____

Street Address: 500 US Rte 440

Municipality: Jersey City (Township, Borough or City)

County: Hudson

Zip Code: _____

Program Interest (PI) Number(s): 002633

Case Tracking Number(s): 97-04-07-1208-28

SECTION B. WELL OWNER AND LOCATION

1. Name of Well Owner New Jersey City University

2. Well Location (Street Address) 500 US Rte 440, Jersey City, Hudson County, NJ

3. Well Location (Municipal Block and Lot) Block# 1286 Lot # 5

SECTION C. WELL LOCATION SPECIFICS

1. Well Permit Number (This number must be permanently affixed to the well casing): E201104930

2. Site Well Number As shown on application or plans): 090-PZ-05

3. Geographic Coordinate NAD 83 to nearest 1/10 of a second:

Longitude: West 074-05-47.7 Latitude: North 40-42-44.7

4. New Jersey State Plane Coordinates NAD 83 to nearest 10 feet:

North 684681 East 603950

5. Elevation of Top of Inner Casing (cap off) at reference mark (nearest 0.01'): 17.24 (NGVD29)

6. Source of elevation datum (benchmark, number/description and elevation/datum. If an on-site datum is used, identify here, assume datum of 100', and give approximated actual elevation.)

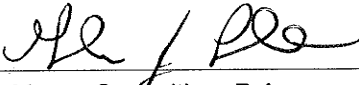
NGS Bench Mark KV0272. Elevation = 36.37' (NGVD29). (Subtract 1.14' to convert elevation to NAVD88 datum)

7. Significant observations and notes:

SECTION D. LAND SURVEYOR'S CERTIFICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

SEAL

Professional Land Surveyor's Signature:  Date 05/24/2012
Surveyor's Name: Glen J. Lloyd, PLS for Maser Consulting, P.A. License Number: GS037598
Mailing Address 331 Newman Springs Road, Suite 203
City/Town: Red Bank State NJ Zip Code: 07701
Phone Number 732-383-1950 Ext.: 3466 Fax: 732-383-1984

WELL PERMIT

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit

Certifying Driller: H. ROBERT SEYBOLD, JOURNEYMAN LICENSE # 0001348

Permit Issued to: B & B DRILLING INC

Company Address: BOX 8 RT 206 NETCONG, NJ 07857

PROPERTY OWNER

Name: NEW JERSEY CITY UNIVERSITY

Organization: NEW JERSEY CITY UNIVERSITY

Address: 2039 KENNEDY BLVD.

City: Jersey City State: New Jersey Zip Code: 07305

PROPOSED WELL LOCATION

Facility Name: NEW JERSEY CITY UNIVERSITY

Address: 520 US RT 440

County: Hudson Municipality: Jersey City Lot: 1 Block: 1285.5

Easting (X): 604180 Northing (Y): 685300
Coordinate System: NJ State Plane (NAD83) - USFEET

Local ID: 184-MW-04

SITE CHARACTERISTICS

PROPOSED CONSTRUCTION

WELL USE: MONITORING

Other Use(s): _____

Diameter (in.): 2

Regulatory Program

Requiring Wells/Borings: _____

Depth (ft.): 18

Case ID Number: _____

Pump Capacity (gpm): 0

Deviation Requested: N


Drilling Method: Hollow Stem Augers

Attachments: _____

SPECIFIC CONDITIONS/REQUIREMENTS

Approval Date: May 26, 2011
Expiration Date: May 25, 2012

Approved by the authority of:
Bob Martin
Commissioner


John Fields, Acting Bureau Chief
Bureau of Water Systems and Well Permitting

WELL PERMIT

| DEVIATION INFORMATION | |
|------------------------------|--|
| Purpose: | |
| Unusual Conditions: | |
| Reason for Deviation: | |
| Proposed Well Construction | |

| GENERAL CONDITIONS/REQUIREMENTS |
|--|
| A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1] |
| A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1] |
| All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1] |
| For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1] |
| If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1] |
| If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1] |
| If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i] |
| In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1] |
| In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1] |
| In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1] |
| The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1] |
| The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1] |
| This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1] |
| This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1] |
| This permit is NONTRANSFERABLE [N.J.A.C. 7:9D] |
| This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1] |

MONITORING WELL RECORD

PROPERTY OWNER: NEW JERSEY CITY UNIVERSITY

Company/Organization: NEW JERSEY CITY UNIVERSITY

Address: 2039 KENNEDY BLVD. Jersey City, New Jersey 07305

WELL LOCATION: NEW JERSEY CITY UNIVERSITY

Address: 520 US RT 440

County: Hudson Municipality: Jersey City Lot: 1 Block: 1285.5

Easting (X): 604163 Northing (Y): 685345
Coordinate System: NJ State Plane (NAD83) - USFEET

DATE WELL STARTED: June 10, 2011

DATE WELL COMPLETED: June 10, 2011

WELL USE: MONITORING

Other Use(s): _____

Local ID: 184-MW-04

WELL CONSTRUCTION

Total Depth Drilled (ft.): 7 Finished Well Depth (ft.): 7 Well Surface: Flush Mount

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt/Rating/Screen # Used (lbs/ch no.) |
|----------|-----------------------|--------------------------|----------------------|----------|--|
| Borehole | 0 | 7 | 6 | | |
| Casing | 0 | 3 | 2 | PVC | SH 40 |
| Screen | 3 | 4 | 2 | PVC | 0.010" |

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in.) | Inner Diameter (in.) | Material | | |
|-------------|-----------------------|--------------------------|-------------------------|-------------------------|------------------|--------------------|--------------|
| | | | | | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) |
| Grout | 0 | 2.5 | 6 | 2 | 0 | 36 | 2 |
| Gravel Pack | 2.5 | 7 | 6 | 2 | MORIE #1 | | |

Grouting Method: Pressure method (Tremie Pipe)

Drilling Method: Hollow Stem Augers

ADDITIONAL INFORMATION

Protective Casing: Yes

Static Water Level: 4.1 ft. below land surface

Water Level Measure Tool: TAPE

Well Development Period: .5 hrs.

Method of Development: SUBMERSIBLE

Pump Type: _____

Pump Capacity: _ gpm

Total Design Head: _ ft.

Drilling Fluid: _____

Drill Rig: GUS PECH

Health and Safety Plan Submitted? Yes

ATTACHMENTS:

GEOLOGIC LOG

0 - 3: BRN GM - Silty gravels, gravel-sand-silt mixtures FILL

3 - 7: BRN SM - Silty sands, sand-silt mixtures

ADDITIONAL INFORMATION:

Driller of Record: Warren Blewett,
JOURNEYMAN LICENSE # 0014578

Company: B & B DRILLING INC

AMEC Environment & Infrastructure

| | | | | |
|---|--|--|--|--|
| Project: Honeywell SA-5 Site 184 | | Number: 3480110292 | Monitoring Well 184-MW-04 | |
| Client: Honeywell | | Date: 6/9/2011 | Subcontractor: B&B Drilling, Inc. | |
| Drilling Method: Hollow Stem Auger | | Measuring Point Type: Ground surface Elevation (ft): 9.05 | | |
| Development Method: Peristaltic Pump | | | | |
| Bucking Posts: NA | | | | |

| Item | Depth, below Measuring Point (ft) | Elevation (ft) | Description |
|--------------------|-----------------------------------|----------------|---|
| Grade | 9.05 | | Flushmount Diameter: 8 " |
| Riser Pipe | 0.25 | | Surface Seal Type: Concrete |
| | | | Backfill/Grout Type: Bentonite/Cement Mix |
| | | | Riser Pipe Type: schedule 40 PVC |
| | | | Riser Pipe ID: 2" |
| | | | Borehole Diameter: 6" |
| Top of Seal | 2.5 | 6.55 | Type of Seal: #00 SAND |
| Top of Filter Pack | 2.5 | 6.55 | |
| Top of Screen | 3 | 6.05 | Screen Type: schedule 40 PVC |
| | | | Screen ID: 2" |
| | | | Screen Slot Size: 0.010" |
| | | | Screen Length: 5' |
| | | | Filter/Sand Pack Type: NA |
| Base of Screen | 7 | 2.05 | |
| End Cap | 7 | 2.05 | Sump: NA |
| Drilled Depth | 7 | 2.05 | Fallback/Backfill: NA |
| Total Depth | 7 | 2.05 | |

Notes: NA: Not Applicable

WELL PERMIT

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit

Certifying Driller: H. ROBERT SEYBOLD, JOURNEYMAN LICENSE # 0001348

Permit Issued to: B & B DRILLING INC

Company Address: BOX 8 RT 206 NETCONG, NJ 07857

PROPERTY OWNER

Name: NEW JERSEY CITY UNIVERSITY

Organization: NEW JERSEY CITY UNIVERSITY

Address: 2039 KENNEDY BLVD.

City: Jersey City State: New Jersey Zip Code: 07305

PROPOSED WELL LOCATION

Facility Name: NEW JERSEY CITY UNIVERSITY

Address: 520 US RT 440

County: Hudson Municipality: Jersey City Lot: 1 Block: 1285.5

Easting (X): 604084 Northing (Y): 685098
Coordinate System: NJ State Plane (NAD83) - USFEET

Local ID: 184-MW-05

SITE CHARACTERISTICS

PROPOSED CONSTRUCTION

WELL USE: MONITORING

Other Use(s): _____

Diameter (in.): 2

Regulatory Program

Requiring Wells/Borings: _____

Depth (ft.): 18

Case ID Number: _____

Pump Capacity (gpm): 0

Deviation Requested: N


Drilling Method: Hollow Stem Augers

Attachments: _____

SPECIFIC CONDITIONS/REQUIREMENTS

Approval Date: May 26, 2011
Expiration Date: May 25, 2012

Approved by the authority of:
Bob Martin
Commissioner


John Fields, Acting Bureau Chief
Bureau of Water Systems and Well Permitting

WELL PERMIT

| DEVIATION INFORMATION | |
|------------------------------|--|
| Purpose: | |
| Unusual Conditions: | |
| Reason for Deviation: | |
| Proposed Well Construction | |

| GENERAL CONDITIONS/REQUIREMENTS |
|--|
| A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1] |
| A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1] |
| All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1] |
| For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1] |
| If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1] |
| If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1] |
| If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i] |
| In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1] |
| In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1] |
| In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1] |
| The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1] |
| The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1] |
| This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1] |
| This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1] |
| This permit is NONTRANSFERABLE [N.J.A.C. 7:9D] |
| This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1] |

This document has not yet been reviewed and approved or denied by the NJ DEP. Deficiencies in submittal information or actual construction may result in denial.

WELL RECORD SUBMITTAL PDF

PROPERTY OWNER: NEW JERSEY CITY UNIVERSITY
Organization: NEW JERSEY CITY UNIVERSITY
Address: 2039 KENNEDY BLVD., Jersey City (Hudson), New Jersey 07305

WELL LOCATION: NEW JERSEY CITY UNIVERSITY
Address: 520 US RT 440

County: Hudson **Municipality:** Jersey City **Lot:** 1 **Block:** 1285.5
Easting(X): 603507 **Northing(Y):** 685844 **Coordinate System:** NJ State Plane (NAD83) - USFEET

Method: Survey frm Benchmark **Point of Reference:** Well

GPS Manufacturer: _____ **Surveyor Name:** GLEN J. LLOYD

GPS Model: _____ **Surveyor License #:** GS037598

Accuracy: 1 **Accuracy units:** Feet

WELL USE: Monitoring **DATE WELL STARTED:** 06/09/2011

Other Use(s): _____ **DATE WELL COMPLETED:** 06/09/2011

WELL CONSTRUCTION

Permit Number E201108189 **Total Depth Drilled(ft):** 8 **Drilling Company:** _____
Local ID: 184-MW-05 **Finished Well Depth(ft):** 8 **Driller Name:** Warren Blewett
Well was finished: Flush Mount **License No.:** 0014578

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt./Rating/Screen Slot # (lbs/sch no.) |
|-------------|-----------------------|--------------------------|----------------------|----------|--|
| Borehole(s) | 0 | 8 | 6 | N/A | N/A |
| Casing(s) | 0 | 3 | 2 | PVC | SH 40 |
| Screen(s) | 3 | 8 | 2 | PVC | 0.010" |

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in) | Inner Diameter (in) | Material | | |
|-------------|-----------------------|--------------------------|------------------------|------------------------|------------------|--------------------|--------------|
| | | | | | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) |
| Grout | 0 | 2.5 | 6 | 2 | 0 | 45 | 2.5 |
| Gravel Pack | 2.5 | 8 | 6 | 2 | MORIE #1 | | |

Grouting Method: Pressure method (Tremie Pipe) **Drilling Method:** Hollow Stem Augers

Additional Information: _____

Attachments: _____

RECORD OF TEST

Test Date: _____ **Depth to Pump:** _____ ft. below land surface

Pump Capacity: _____ gpm

Static Water Level: 4.1 ft. below land surface Total Design Head: _____ ft.

Pumping Water Level: _____ ft. below land surface Pump Horsepower: _____

Water Level Measure Tool: TAPE If pump tested Discharge Rate: _____ gpm

Pumping Equipment: _____ Duration of Test: _____ hours

Well Yield: _____ gpm Date Boring Decommissioned: _____

PUMPING EQUIPMENT AND ADDITIONAL INFORMATION

Installed: _____ Well Development Period: 0.5 hours

Installer's Name: _____ Method of Development: _____

Installer's Registration No.: _____ Protective Casing: Yes

Pump Type: _____ Drilling Fluid: _____

Drill Rig: GUS PECH

Health and Safety Plan: Yes

GEOLOGIC LOG

| Depth to Top | Depth to Bottom | Color | USCS | Additional Description |
|--------------|-----------------|---------|--|------------------------|
| 0 | 1 | BRN | GM - Silty gravels, gravel-sand-silt mixtures | FILL |
| 1 | 3 | RED-BRN | GM - Silty gravels, gravel-sand-silt mixtures | FILL |
| 3 | 8 | BRN | SM - Silty sands, sand-silt mixtures | |

PENDING APPROVAL

AMEC Environment & Infrastructure

| | | | | |
|---|--|---|--|--|
| Project: Honeywell SA-5 Site 184 | | Number: 3480110292 | Monitoring Well 184-MW-05 | |
| Client: Honeywell | | Date: 6/9/2011 | Subcontractor: B&B Drilling, Inc. | |
| Drilling Method: Hollow Stem Auger | | Measuring Point Type: Ground surface Elevation (ft): 10.43 | | |
| Development Method: Peristaltic Pump | | | | |
| Bucking Posts: NA | | | | |

| Item | Depth, below Measuring Point (ft) | Elevation (ft) | Description |
|--------------------|-----------------------------------|----------------|---|
| Grade | 10.43 | | Flushmount Diameter: 8 " |
| Riser Pipe | 0.25 | | Surface Seal Type: Concrete |
| | | | Backfill/Grout Type: Bentonite/Cement Mix |
| | | | Riser Pipe Type: schedule 40 PVC |
| | | | Riser Pipe ID: 2" |
| | | | Borehole Diameter: 6" |
| Top of Seal | 2.5 | 7.93 | Type of Seal: #00 SAND |
| Top of Filter Pack | 2.5 | 7.93 | |
| Top of Screen | 3 | 7.43 | Screen Type: schedule 40 PVC |
| | | | Screen ID: 2" |
| | | | Screen Slot Size: 0.010" |
| | | | Screen Length: 5' |
| | | | Filter/Sand Pack Type: NA |
| Base of Screen | 8 | 2.43 | |
| End Cap | 8 | 2.43 | Sump: NA |
| Drilled Depth | 8 | 2.43 | Fallback/Backfill: NA |
| Total Depth | 8 | 2.43 | |

Notes: NA: Not Applicable

WELL PERMIT

The New Jersey Department of Environmental Protection grants this permit in accordance with your application, attachments accompanying same application, and applicable laws and regulations. This permit is also subject to further conditions and stipulations enumerated in the supporting documents which are agreed to by the permittee upon acceptance of the permit

Certifying Driller: H. ROBERT SEYBOLD, JOURNEYMAN LICENSE # 0001348

Permit Issued to: B & B DRILLING INC

Company Address: BOX 8 RT 206 NETCONG, NJ 07857

PROPERTY OWNER

Name: NEW JERSEY CITY UNIVERSITY

Organization: NEW JERSEY CITY UNIVERSITY

Address: 2039 KENNEDY BLVD.

City: Jersey City State: New Jersey Zip Code: 07305

PROPOSED WELL LOCATION

Facility Name: NEW JERSEY CITY UNIVERSITY

Address: 520 US RT 440

County: Hudson Municipality: Jersey City Lot: 1 Block: 1285.5

Easting (X): 604238 Northing (Y): 684856
Coordinate System: NJ State Plane (NAD83) - USFEET

Local ID: 184-MW-06

SITE CHARACTERISTICS

PROPOSED CONSTRUCTION

WELL USE: MONITORING

Other Use(s): _____

Diameter (in.): 2

Regulatory Program

Requiring Wells/Borings: _____

Depth (ft.): 18

Case ID Number: _____

Pump Capacity (gpm): 0

Deviation Requested: N


Drilling Method: Hollow Stem Augers

Attachments: _____

SPECIFIC CONDITIONS/REQUIREMENTS

Approval Date: May 26, 2011
Expiration Date: May 25, 2012

Approved by the authority of:
Bob Martin
Commissioner


John Fields, Acting Bureau Chief
Bureau of Water Systems and Well Permitting

WELL PERMIT

| DEVIATION INFORMATION | |
|------------------------------|--|
| Purpose: | |
| Unusual Conditions: | |
| Reason for Deviation: | |
| Proposed Well Construction | |

| GENERAL CONDITIONS/REQUIREMENTS |
|--|
| A copy of this permit shall be kept at the worksite / on the property and shall be exhibited upon request. [N.J.A.C. 7:9D-1] |
| A well record must be submitted by the well driller to the Bureau of Water Systems and Well Permitting. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the well record shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Record: within ninety (90) days after the well is completed.[N.J.A.C. 7:9D-1] |
| All well drilling/pump installation activities shall comply with N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1] |
| For this permit to remain valid, the well approved in this permit shall be constructed within one year of the effective date of the permit. [N.J.A.C. 7:9D-1] |
| If the pump capacity applied for is less than 70 gpm, no subsequent increase to 70 gpm or more shall be made without prior approval of the Bureau of Water Systems and Well Permitting. [N.J.A.C. 7:9D-1] |
| If the use of the well is to be changed a well permit for the proposed use of the well shall be submitted for review and approval. [N.J.A.C. 7:9D-1] |
| If you or a future property owner intend to redesignate this well as a Category 1 well (domestic, non-public, community water supply or public non-community water supply wells), the well must be constructed as a Category 1 well per the Well Construction and Abandonment Regulations at N.J.A.C. 7:0D-1.1 et seq. In addition, if the current or future property owner intends to have this well redesignated as a community water supply well, the well must be constructed by a Master well driller, which would include having a Master well driller on-site at all times during construction of the well, as specified in the Well Construction and Abandonment Regulations. Otherwise, the New Jersey Department of Environmental Protection will not allow the well to be redesignated, and a new well would have to be installed. [N.J.A.C. 7:9D-1.7((a))1i] |
| In accepting this permit the Property Owner and Driller agree to abide by the following terms and conditions [N.J.A.C. 7:9D-1] |
| In the event that this well is not constructed the well driller shall notify the Bureau of Water Systems and Well Permitting of the permit cancellation. Unless prior written approval is obtained from the Bureau of Water Systems and Well Permitting the Cancellation notification shall be submitted electronically through the New Jersey Department of Environmental Protection's Regulatory Services Portal Submit Well Permit Cancellation : by the expiration date of this permit.[N.J.A.C. 7:9D-1] |
| In the event this well is abandoned, the Owner or Well driller shall assume full responsibility for having the well decommissioned in a manner satisfactory to the New Jersey Department of Environmental Protection in accordance with the provisions of N.J.A.C. 7:9D-1 et seq. [N.J.A.C. 7:9D-1] |
| The granting of this permit shall not be construed in any way to affect the title or ownership of property, and shall not make the New Jersey Department of Environmental Protection or the State a party in any suit or question of ownership of property. [N.J.A.C. 7:9D-1] |
| The issuance of this permit shall not be deemed to affect in any way action by the New Jersey Department of Environmental Protection on any future application. [N.J.A.C. 7:9D-1] |
| This permit conveys no rights, either expressed, or implied to divert water. [N.J.A.C. 7:9D-1] |
| This permit does not waive the obtaining of Federal or other State or local Government consent when necessary. This permit is not valid and no work shall be undertaken until such time as all other required approvals and permits have been obtained. [N.J.A.C. 7:9D-1] |
| This permit is NONTRANSFERABLE [N.J.A.C. 7:9D] |
| This well shall not be used for the supply of potable / drinking water. [N.J.A.C. 7:9D-1] |

MONITORING WELL RECORD

PROPERTY OWNER: NEW JERSEY CITY UNIVERSITY

Company/Organization: NEW JERSEY CITY UNIVERSITY

Address: 2039 KENNEDY BLVD. Jersey City, New Jersey 07305

WELL LOCATION: NEW JERSEY CITY UNIVERSITY

Address: 520 US RT 440

County: Hudson Municipality: Jersey City Lot: 1 Block: 1285.5

Easting (X): 604141 Northing (Y): 684496
Coordinate System: NJ State Plane (NAD83) - USFEET

DATE WELL STARTED: June 9, 2011

DATE WELL COMPLETED: June 9, 2011

WELL USE: MONITORING

Other Use(s): _____

Local ID: 184-MW-06

WELL CONSTRUCTION

Total Depth Drilled (ft.): 10.5 Finished Well Depth (ft.): 10.5 Well Surface: Flush Mount

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Diameter (inches) | Material | Wgt/Rating/Screen # Used (lbs/ch no.) |
|----------|-----------------------|--------------------------|----------------------|----------|--|
| Borehole | 0 | 10.5 | 6 | | |
| Casing | 0 | 5.5 | 2 | PVC | SH 40 |
| Screen | 5.5 | 10.5 | 2 | PVC | 0.010" |

| | Depth to Top (ft.) | Depth to Bottom (ft.) | Outer Diameter (in.) | Inner Diameter (in.) | Material | | |
|-------------|-----------------------|--------------------------|-------------------------|-------------------------|------------------|--------------------|--------------|
| | | | | | Bentonite (lbs.) | Neat Cement (lbs.) | Water (gal.) |
| Grout | 0 | 5 | 6 | 2 | 0 | 70 | 4 |
| Gravel Pack | 5 | 10.5 | 6 | 2 | MORIE #1 | | |

Grouting Method: Pressure method (Tremie Pipe)

Drilling Method: Hollow Stem Augers

ADDITIONAL INFORMATION

Protective Casing: Yes

Static Water Level: 4.3 ft. below land surface

Water Level Measure Tool: TAPE

Well Development Period: .5 hrs.

Method of Development: SUBMERSIBLE

Pump Type: _____

Pump Capacity: _ gpm

Total Design Head: _ ft.

Drilling Fluid: _____

Drill Rig: GUS PECH

Health and Safety Plan Submitted? Yes

ATTACHMENTS:

GEOLOGIC LOG

0 - 5: BRN GM - Silty gravels, gravel-sand-silt mixtures FILL

5 - 10.5: BRN SM - Silty sands, sand-silt mixtures

ADDITIONAL INFORMATION:

Warren Blewett,
Driller of Record: JOURNEYMAN LICENSE # 0014578

Company: B & B DRILLING INC

AMEC Environment & Infrastructure

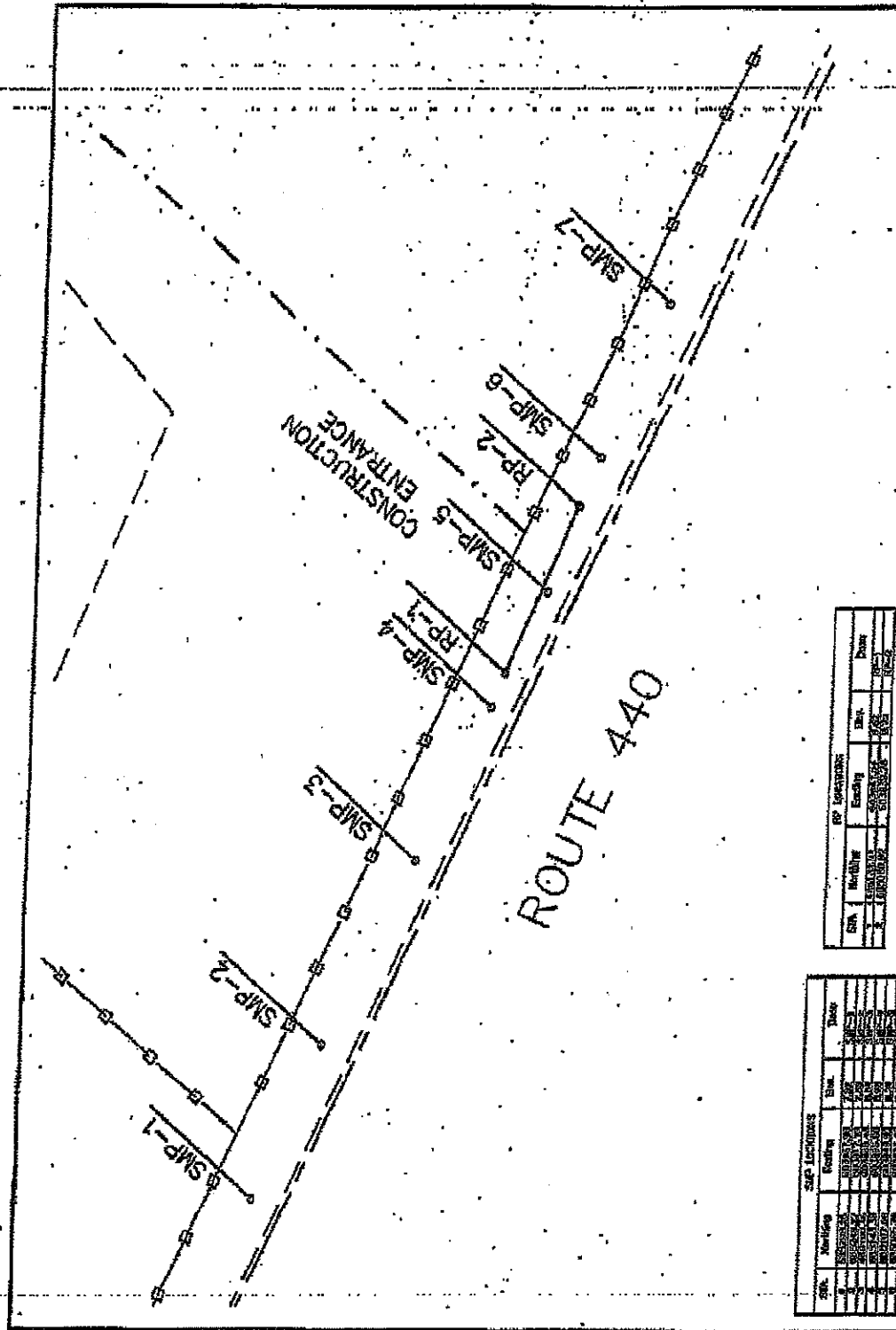
| | | | | |
|---|--|---|--|--|
| Project: Honeywell SA-5 Site 184 | | Number: 3480110292 | Monitoring Well 184-MW-06 | |
| Client: Honeywell | | Date: 6/9/2011 | Subcontractor: B&B Drilling, Inc. | |
| Drilling Method: Hollow Stem Auger | | Measuring Point Type: Ground surface Elevation (ft): 12.79 | | |
| Development Method: Peristaltic Pump | | | | |
| Bucking Posts: NA | | | | |

| Item | Depth, below Measuring Point (ft) | Elevation (ft) | Description |
|--------------------|-----------------------------------|----------------|---|
| Grade | 12.79 | | Flushmount Diameter: 8 " |
| Riser Pipe | 0.25 | | Surface Seal Type: Concrete |
| | | | Backfill/Grout Type: Bentonite/Cement Mix |
| | | | Riser Pipe Type: schedule 40 PVC |
| | | | Riser Pipe ID: 2" |
| | | | Borehole Diameter: 6" |
| Top of Seal | 5 | 7.79 | Type of Seal: #00 SAND |
| Top of Filter Pack | 5 | 7.79 | |
| Top of Screen | 5.5 | 7.29 | Screen Type: schedule 40 PVC |
| | | | Screen ID: 2" |
| | | | Screen Slot Size: 0.010" |
| | | | Screen Length: 5' |
| | | | Filter/Sand Pack Type: NA |
| Base of Screen | 10.5 | 2.29 | |
| End Cap | 10.5 | 2.29 | Sump: NA |
| Drilled Depth | 10.5 | 2.29 | Fallback/Backfill: NA |
| Total Depth | 10.5 | 2.29 | |

Notes: NA: Not Applicable

APPENDIX P
VIBRATION, DEFLECTION, AND BMUA SETTLEMENT
MONITORING DATA

STUDY AREA 5 REMEDIAL ACTION REPORT
FORMER BALDWIN STEEL SITE (NJDEP SITE 090)
FORMER MI HOLDINGS SITE (NJDEP SITE 184)
PORTION OF FORMER MORRIS CANAL SITE (NJDEP SITE 153 NORTHERN SEGMENT)
JERSEY CITY, NEW JERSEY



ROUTE 440

SMP-RP MONITORING POINT LOCATION
HONEYWELL
 STUDY AREA 5-SITE 090,184 & 156
 JERSEY CITY, NEW JERSEY

| RP Location | | | |
|-------------|---------|--------|----------|
| Sta | Northw | Eastw | Date |
| 1 | 1000000 | 000000 | 10/10/00 |
| 2 | 1000000 | 000000 | 10/10/00 |

REV. 02-05-01 ADD RP 1 & RP 2
KSS KENNON SURVEYING SERVICES, INC.
 A MEMBER FIRM OF THE KSS GROUP
 1000 ROUTE 440, SUITE 100
 JERSEY CITY, NJ 07310
 TEL: 201-261-1000 FAX: 201-261-1001
 E-MAIL: KSS@KSSURV.COM
 1 OF 1

| SMP Locations | | | |
|---------------|---------|--------|----------|
| Sta | Northw | Eastw | Date |
| 1 | 1000000 | 000000 | 10/10/00 |
| 2 | 1000000 | 000000 | 10/10/00 |
| 3 | 1000000 | 000000 | 10/10/00 |
| 4 | 1000000 | 000000 | 10/10/00 |
| 5 | 1000000 | 000000 | 10/10/00 |
| 6 | 1000000 | 000000 | 10/10/00 |
| 7 | 1000000 | 000000 | 10/10/00 |

KENNY L. KENNON, P.L.S.
 PROFESSIONAL LAND SURVEYOR NO. 80871
 DATE: _____

| | | | | | |
|--------------------------------|--|-------|--|---------------------------------------|--|
| KENNON SURVEYING SERVICES Inc. | | | | | |
| 5 Powder Horn Drive | | | | | |
| P.O. Box 4477 | | | | Proj. No. 2201 | |
| Warren, N.J. 07059 | | | | Prepared By ELR | |
| Ph 732-564-1818 | | | | Checked By KKK | |
| Fax 732-564-9999 | | | | | |
| HONEYWELL | | | | Kenny L. Kennon, P.L.S. <i>4-1-11</i> | |
| JERSEY CITY, N.J. | | | | Sevenson Enviromental | |
| | | | | Sevenson Review RU | |
| | | | | Mactec Review | |
| FORCEMAIN MONITORING | | Datum | | NGVD 29 | |
| SMP-1 | | | | | |

| FIELD MEASUREMENT | | BASLINE ELEVATION | MEASURED ELEVATION | CHANGE ELEVATION |
|-------------------|------|-------------------|--------------------|------------------|
| DATE | TIME | (Feet) | (Feet) | (Feet) +/-0.01 |
| ##### | | | | |
| Base | | 7.52 | | 7.52 |
| 11/01/10 | 1PM | 7.52 | 7.50 | 0.02 |
| 11/08/10 | 10AM | 7.52 | 7.51 | 0.01 |
| 11/17/10 | 11AM | 7.52 | 7.49 | 0.03 |
| 11/23/10 | 3PM | 7.52 | 7.49 | 0.03 |
| 11/29/10 | 1PM | 7.52 | 7.48 | 0.04 |
| 12/06/10 | 1PM | 7.52 | 7.48 | 0.04 |
| 12/08/10 | 2PM | 7.52 | 7.48 | 0.04 |
| 12/10/10 | 12PM | 7.52 | 7.49 | 0.03 |
| 12/13/10 | 10AM | 7.52 | 7.49 | 0.03 |
| 12/15/10 | 10AM | 7.52 | 7.49 | 0.03 |
| 12/17/10 | 10AM | 7.52 | 7.49 | 0.03 |
| 12/20/10 | 11AM | 7.52 | 7.49 | 0.03 |
| 12/29/10 | 10AM | 7.52 | 7.49 | 0.03 |
| 01/05/11 | 2PM | 7.52 | 7.49 | 0.03 |
| 01/07/11 | 7AM | 7.52 | 7.49 | 0.03 |
| 01/12/11 | 11AM | 7.52 | 7.48 | 0.04 |
| 01/13/11 | 1PM | 7.52 | 7.48 | 0.04 |
| 01/17/11 | 1PM | 7.52 | 7.48 | 0.04 |
| 01/19/11 | 2PM | 7.52 | 7.48 | 0.04 |
| 01/24/11 | 1PM | 7.52 | 7.47 | 0.05 |
| 01/26/11 | 1PM | 7.52 | 7.47 | 0.05 |
| 01/28/11 | 8AM | 7.52 | 7.47 | 0.05 |
| 01/31/11 | 1PM | 7.52 | 7.47 | 0.05 |
| 02/02/11 | 2PM | 7.52 | 7.47 | 0.05 |
| 02/04/11 | 2PM | 7.52 | 7.47 | 0.05 |
| 02/07/11 | 1PM | 7.52 | 7.48 | 0.04 |
| 02/09/11 | 2PM | 7.52 | 7.48 | 0.04 |
| 02/11/11 | 11AM | 7.52 | 7.48 | 0.04 |
| 02/14/11 | 1PM | 7.52 | 7.47 | 0.05 |
| 02/16/11 | 1PM | 7.52 | 7.47 | 0.05 |
| 02/23/11 | 1PM | 7.52 | 7.47 | 0.05 |
| 03/04/11 | 1PM | 7.52 | 7.48 | 0.04 |
| 03/11/11 | 1PM | 7.52 | 7.48 | 0.04 |
| 03/18/11 | 10AM | 7.52 | 7.48 | 0.04 |
| 04/01/11 | 9AM | 7.52 | 7.47 | 0.05 |

| | | | | | | | | | |
|--------------------------------|--|------|-----------|-----------|----------------|----------------|-------------------------|---------------|--|
| KENNON SURVEYING SERVICES Inc. | | | | | | | | | |
| 5 Powder Horn Drive | | | | | | | | | |
| P.O. Box 4477 | | | | | | Proj. No. 2201 | | | |
| Warren, N.J. 07059 | | | | | | | | | |
| Ph 732-564-1818 | | | | | | | Prepared By | ELR | |
| Fax 732-564-9999 | | | | | | | Checked By | KLK | |
| HONEYWELL | | | | | | | Kenny L. Kennon, P.L.S. | <i>4-1-11</i> | |
| JERSEY CITY, N.J. | | | | | | | Sevenson Enviromental | | |
| | | | | | | | Sevenson Review | <i>RV</i> | |
| | | | | | | | Mactec Review | | |
| <u>FORCEMAIN MONITORING</u> | | | | Datum | NGVD 29 | | | | |
| SMP-2 | | | | | | | | | |
| <hr/> | | | | | | | | | |
| FIELD | | | BASLINE | MEASURED | CHANGE | | | | |
| MEASUREMENT | | | ELEVATION | ELEVATION | ELEVATION | | | | |
| DATE | | TIME | (Feet) | (Feet) | (Feet) +/-0.01 | | | | |
| ##### | | | | | | | | | |
| Base | | | 7.88 | | 7.88 | | | | |
| 11/01/10 | | 1PM | 7.88 | 7.88 | 0.00 | | | | |
| 11/08/10 | | 10AM | 7.88 | 7.88 | 0.00 | | | | |
| 11/17/10 | | 11AM | 7.88 | 7.88 | 0.00 | | | | |
| 11/23/10 | | 3PM | 7.88 | 7.88 | 0.00 | | | | |
| 11/29/10 | | 1PM | 7.88 | 7.88 | 0.00 | | | | |
| 12/06/10 | | 1PM | 7.88 | 7.88 | 0.00 | | | | |
| 12/08/10 | | 2PM | 7.88 | 7.87 | 0.01 | | | | |
| 12/10/10 | | 12PM | 7.88 | 7.88 | 0.00 | | | | |
| 12/13/10 | | 10AM | 7.88 | 7.88 | 0.00 | | | | |
| 12/15/10 | | 10AM | 7.88 | 7.88 | 0.00 | | | | |
| 12/17/10 | | 10AM | 7.88 | 7.88 | 0.00 | | | | |
| 12/20/10 | | 11AM | 7.88 | 7.88 | 0.00 | | | | |
| 12/29/10 | | 10AM | 7.88 | 7.88 | 0.00 | | | | |
| 01/05/11 | | 2PM | 7.88 | 7.88 | 0.00 | | | | |
| 01/07/11 | | 7AM | 7.88 | 7.88 | 0.00 | | | | |
| 01/12/11 | | 11AM | 7.88 | 7.87 | 0.01 | | | | |
| 01/13/11 | | 1PM | 7.88 | 7.88 | 0.00 | | | | |
| 01/17/11 | | 1PM | 7.88 | 7.87 | 0.01 | | | | |
| 01/19/11 | | 2PM | 7.88 | 7.87 | 0.01 | | | | |
| 01/24/11 | | NO | DATA | | | | | | |
| 01/26/11 | | 1PM | 7.88 | 7.87 | 0.01 | | | | |
| 01/28/11 | | 8AM | 7.88 | 7.87 | 0.01 | | | | |
| 01/31/11 | | 1PM | 7.88 | 7.87 | 0.01 | | | | |
| 02/02/11 | | 2PM | 7.88 | 7.87 | 0.01 | | | | |
| 02/04/11 | | 2PM | 7.88 | 7.87 | 0.01 | | | | |
| 02/07/11 | | 1PM | 7.88 | 7.87 | 0.01 | | | | |
| 02/09/11 | | 2PM | 7.88 | 7.88 | 0.00 | | | | |
| 02/11/11 | | 11AM | 7.88 | 7.88 | 0.00 | | | | |
| 02/14/11 | | 1PM | 7.88 | 7.87 | 0.01 | | | | |
| 02/16/11 | | 1PM | 7.88 | 7.87 | 0.01 | | | | |
| 02/23/11 | | 1PM | 7.88 | 7.88 | 0.00 | | | | |
| 03/04/11 | | 1PM | 7.88 | 7.88 | 0.00 | | | | |
| 03/11/11 | | 1PM | 7.88 | 7.88 | 0.00 | | | | |
| 03/18/11 | | 10AM | 7.88 | 7.88 | 0.00 | | | | |
| 04/01/11 | | 9AM | 7.88 | 7.87 | 0.01 | | | | |

| | | | | | | | | | |
|--------------------------------|--|------|-----------|-----------|----------------|-------------------------|-----|--------|--|
| KENNON SURVEYING SERVICES Inc. | | | | | | | | | |
| 5 Powder Horn Drive | | | | | | | | | |
| P.O. Box 4477 | | | | | Proj. No. 2201 | | | | |
| Warren, N.J. 07059 | | | | | | | | | |
| Ph 732-564-1818 | | | | | | Prepared By | ELR | | |
| Fax 732-564-9999 | | | | | | Checked By | KLK | | |
| HONEYWELL | | | | | | Kenny L. Kennon, P.L.S. | | 4-1-11 | |
| JERSEY CITY, N.J. | | | | | | Sevenson Enviromental | | | |
| | | | | | | Sevenson Review | | RU | |
| | | | | | | Mactec Review | | | |
| FORCEMAIN MONITORING | | | | Datum | NGVD 29 | | | | |
| SMP-3 | | | | | | | | | |
| | | | | | | | | | |
| FIELD MEASUREMENT | | | BASLINE | MEASURED | CHANGE | | | | |
| DATE | | TIME | ELEVATION | ELEVATION | ELEVATION | | | | |
| | | | (Feet) | (Feet) | (Feet) +/-0.01 | | | | |
| ##### | | | | | | | | | |
| Base | | | 8.64 | | 8.64 | | | | |
| 11/01/10 | | 1PM | 8.64 | 8.63 | 0.01 | | | | |
| 11/08/10 | | 10AM | 8.64 | 8.64 | 0.00 | | | | |
| 11/17/10 | | 11AM | 8.64 | 8.63 | 0.01 | | | | |
| 11/23/10 | | 3PM | 8.64 | 8.63 | 0.01 | | | | |
| 11/29/10 | | 1PM | 8.64 | 8.63 | 0.01 | | | | |
| 12/06/10 | | 1PM | 8.64 | 8.63 | 0.01 | | | | |
| 12/08/10 | | 2PM | 8.64 | 8.63 | 0.01 | | | | |
| 12/10/10 | | 12PM | 8.64 | 8.63 | 0.01 | | | | |
| 12/13/10 | | 10AM | 8.64 | 8.63 | 0.01 | | | | |
| 12/15/10 | | 10AM | 8.64 | 8.63 | 0.01 | | | | |
| 12/17/10 | | 10AM | 8.64 | 8.63 | 0.01 | | | | |
| 12/20/10 | | 11AM | 8.64 | 8.63 | 0.01 | | | | |
| 12/29/10 | | 10AM | 8.64 | 8.64 | 0.00 | | | | |
| 01/05/11 | | 2PM | 8.64 | 8.63 | 0.01 | | | | |
| 01/07/11 | | 7AM | 8.64 | 8.63 | 0.01 | | | | |
| 01/12/11 | | 11AM | 8.64 | 8.63 | 0.01 | | | | |
| 01/13/11 | | 1PM | 8.64 | 8.63 | 0.01 | | | | |
| 01/17/11 | | 1PM | 8.64 | 8.62 | 0.02 | | | | |
| 01/19/11 | | 2PM | 8.64 | 8.63 | 0.01 | | | | |
| 01/24/11 | | 1PM | 8.64 | 8.62 | 0.02 | | | | |
| 01/26/11 | | 1PM | 8.64 | 8.62 | 0.02 | | | | |
| 01/28/11 | | 8AM | 8.64 | 8.62 | 0.02 | | | | |
| 01/31/11 | | 1PM | 8.64 | 8.63 | 0.01 | | | | |
| 02/02/11 | | 2PM | 8.64 | 8.62 | 0.02 | | | | |
| 02/04/11 | | 2PM | 8.64 | 8.63 | 0.01 | | | | |
| 02/07/11 | | 1PM | 8.64 | 8.63 | 0.01 | | | | |
| 02/09/11 | | 2PM | 8.64 | 8.64 | 0.00 | | | | |
| 02/11/11 | | 11AM | 8.64 | 8.63 | 0.01 | | | | |
| 02/14/11 | | 1PM | 8.64 | 8.63 | 0.01 | | | | |
| 02/16/11 | | 1PM | 8.64 | 8.62 | 0.02 | | | | |
| 02/23/11 | | 1PM | 8.64 | 8.63 | 0.01 | | | | |
| 03/04/11 | | 1PM | 8.64 | 8.63 | 0.01 | | | | |
| 03/11/11 | | 1PM | 8.64 | 8.63 | 0.01 | | | | |
| 03/18/11 | | 10AM | 8.64 | 8.63 | 0.01 | | | | |
| 04/01/11 | | 9AM | 8.64 | 8.63 | 0.01 | | | | |

| FIELD MEASUREMENT | | BASELINE ELEVATION | MEASURED ELEVATION | CHANGE ELEVATION |
|-------------------|------|--------------------|--------------------|------------------|
| DATE | | (Feet) | (Feet) | (Feet) +/-0.01 |
| ##### | | | | |
| Base | | 8.98 | | 8.98 |
| 11/23/10 | 3PM | 8.98 | 8.98 | 0.00 |
| 11/29/10 | 1PM | 8.98 | 8.98 | 0.00 |
| 12/06/10 | 1PM | 8.98 | 8.98 | 0.00 |
| 12/08/10 | 2PM | 8.98 | 8.98 | 0.00 |
| 12/10/10 | 12PM | 8.98 | 8.98 | 0.00 |
| 12/13/10 | 10AM | 8.98 | 8.98 | 0.00 |
| 12/15/10 | 10AM | 8.98 | 8.97 | 0.01 |
| 12/17/10 | 10AM | 8.98 | 8.97 | 0.01 |
| 12/20/10 | 11AM | 8.98 | 8.98 | 0.00 |
| 12/29/10 | 10AM | 8.98 | 8.98 | 0.00 |
| 01/05/11 | 2PM | 8.98 | 8.98 | 0.00 |
| 01/07/11 | 7AM | 8.98 | 8.97 | 0.01 |
| 01/12/11 | 11AM | 8.98 | 8.98 | 0.00 |
| 01/13/11 | 1PM | 8.98 | 8.98 | 0.00 |
| 01/17/11 | 1PM | 8.98 | 8.98 | 0.00 |
| 01/19/11 | 2PM | 8.98 | 8.98 | 0.00 |
| 01/24/11 | 1PM | 8.98 | 8.98 | 0.00 |
| 01/26/11 | 1PM | 8.98 | 8.97 | 0.01 |
| 01/28/11 | 8AM | 8.98 | 8.97 | 0.01 |
| 01/31/11 | 1PM | 8.98 | 8.98 | 0.00 |
| 02/02/11 | 2PM | 8.98 | 8.97 | 0.01 |
| 02/04/11 | 2PM | 8.98 | 8.98 | 0.00 |
| 02/07/11 | 1PM | 8.98 | 8.98 | 0.00 |
| 02/09/11 | 2PM | 8.98 | 8.98 | 0.00 |
| 02/11/11 | 11AM | 8.98 | 8.98 | 0.00 |
| 02/14/11 | 1PM | 8.98 | 8.98 | 0.00 |
| 02/16/11 | 1PM | 8.98 | 8.97 | 0.01 |
| 02/23/11 | 1PM | 8.98 | 8.98 | 0.00 |
| 03/04/11 | 1PM | 8.98 | 8.98 | 0.00 |
| 03/11/11 | 1PM | 8.98 | 8.98 | 0.00 |
| 03/18/11 | 10AM | 8.98 | 8.98 | 0.00 |
| 04/01/11 | 9AM | 8.98 | 8.98 | 0.00 |

| | | | | | |
|--------------------------------|------|--------------------------|---------------------------|---------------------------------|----------------------------|
| KENNON SURVEYING SERVICES Inc. | | | | | |
| 5 Powder Horn Drive | | | | | |
| P.O. Box 4477 | | | Proj. No. 2201 | | |
| Warren, N.J. 07059 | | | | | |
| Ph 732-564-1818 | | | | Prepared By | ELR |
| Fax 732-564-9999 | | | | Checked By | KLK |
| HONEYWELL | | | | Kenny L. Kennon, P.L.S. | <i>Handwritten: 4-1-11</i> |
| JERSEY CITY, N.J. | | | | Sevenson Enviromental | |
| | | | | Sevenson Review | <i>Handwritten: LU</i> |
| | | | | Mactec Review | |
| FORCEMAIN MONITORING | | Datum | NGVD 29 | | |
| SMP-5 | | | | | |
| FIELD MEASUREMENT DATE | | BASLINE ELEVATION (Feet) | MEASURED ELEVATION (Feet) | CHANGE ELEVATION (Feet) +/-0.01 | |
| ##### | | | | | |
| Base | | 9.24 | | 9.24 | |
| 11/01/10 | 1PM | 9.24 | 9.24 | 0.00 | |
| 11/08/10 | 10AM | 9.24 | 9.24 | 0.00 | |
| 11/17/10 | 11AM | 9.24 | 9.25 | 0.01 | |
| 11/23/10 | 3PM | 9.24 | 9.26 | 0.02 | |
| 11/29/10 | 1PM | 9.24 | 9.26 | 0.02 | |
| 12/06/10 | 1PM | 9.24 | 9.25 | 0.01 | |
| 12/08/10 | 2PM | 9.24 | 9.25 | 0.01 | |
| 12/10/10 | 12PM | 9.24 | 9.24 | 0.00 | |
| 12/13/10 | 10AM | 9.24 | 9.24 | 0.00 | |
| 12/15/10 | 10AM | 9.24 | 9.24 | 0.00 | |
| 12/17/10 | 10AM | 9.24 | 9.24 | 0.00 | |
| 12/20/10 | 11AM | 9.24 | 9.25 | 0.01 | |
| 12/29/10 | 10AM | 9.24 | 9.25 | 0.01 | |
| 01/05/11 | 2PM | 9.24 | 9.25 | 0.01 | |
| 01/07/11 | 7AM | 9.24 | 9.24 | 0.00 | |
| 01/12/11 | 11AM | 9.24 | 9.25 | 0.01 | |
| 01/13/11 | 1PM | 9.24 | 9.26 | 0.02 | |
| 01/17/11 | 1PM | 9.24 | 9.25 | 0.01 | |
| 01/19/11 | 2PM | 9.24 | 9.25 | 0.01 | |
| 01/24/11 | 1PM | 9.24 | 9.24 | 0.00 | |
| 01/26/11 | 1PM | 9.24 | 9.25 | 0.01 | |
| 01/28/11 | 8AM | 9.24 | 9.25 | 0.01 | |
| 01/31/11 | 1PM | 9.24 | 9.25 | 0.01 | |
| 02/02/11 | 2PM | 9.24 | 9.24 | 0.00 | |
| 02/04/11 | 2PM | 9.24 | 9.26 | 0.02 | |
| 02/07/11 | 1PM | 9.24 | 9.26 | 0.02 | |
| 02/09/11 | 2PM | 9.24 | 9.26 | 0.02 | |
| 02/11/11 | 11AM | 9.24 | 9.25 | 0.01 | |
| 02/14/11 | 1PM | 9.24 | 9.24 | 0.00 | |
| 02/16/11 | 1PM | 9.24 | 9.24 | 0.00 | |
| 02/23/11 | 1PM | 9.24 | 9.24 | 0.00 | |
| 03/04/11 | 1PM | 9.24 | 9.24 | 0.00 | |
| 03/11/11 | 1PM | 9.24 | 9.25 | 0.01 | |
| 03/18/11 | 10AM | 9.24 | 9.24 | 0.00 | |
| 04/01/11 | 9AM | 9.24 | 9.25 | 0.01 | |

| | | | | | | |
|---|--|--|---------|----------------------------------|--|------------|
| KENNON SURVEYING SERVICES Inc. 5 Powder Horn Drive P.O. Box 4477 Warren, N.J. 07059 Ph 732-564-1818 Fax 732-564-9999 | | Proj. No. 2201 | | Prepared By Checked By | | ELR KLK |
| HONEYWELL | | Kenny L. Kennon, P.L.S. Sevenson Enviromental | | 4-1-11 | | |
| JERSEY CITY, N.J. | | | | Sevenson Review Mactec Review | | |
| FORCEMAIN MONITORING SMP-6 | | Datum | NGVD 29 | | | |

| FIELD MEASUREMENT | | BASLINE ELEVATION | MEASURED ELEVATION | CHANGE ELEVATION |
|-------------------|------|-------------------|--------------------|------------------|
| DATE | TIME | (Feet) | (Feet) | (Feet) +/-0.01 |
| ##### | | | | |
| Base | | 9.36 | | 9.36 |
| | | | | 0.00 |
| 11/01/10 | 1PM | 9.36 | 9.36 | 0.00 |
| 11/08/10 | 10AM | 9.36 | 9.37 | 0.01 |
| 11/17/10 | 11AM | 9.36 | 9.36 | 0.00 |
| 11/23/10 | 3PM | 9.36 | 9.37 | 0.01 |
| 11/29/10 | 1PM | 9.36 | 9.37 | 0.01 |
| 12/06/10 | 1PM | 9.36 | 9.37 | 0.01 |
| 12/08/10 | 2PM | 9.36 | 9.37 | 0.01 |
| 12/10/10 | 12PM | 9.36 | 9.36 | 0.00 |
| 12/13/10 | 10AM | 9.36 | 9.36 | 0.00 |
| 12/15/10 | 10AM | 9.36 | 9.36 | 0.00 |
| 12/17/10 | 10AM | 9.36 | 9.36 | 0.00 |
| 12/20/10 | 11AM | 9.36 | 9.36 | 0.00 |
| 12/29/10 | 10AM | 9.36 | 9.36 | 0.00 |
| 01/05/11 | 2PM | 9.36 | 9.36 | 0.00 |
| 01/07/11 | 7AM | 9.36 | 9.36 | 0.00 |
| 01/12/11 | 11AM | 9.36 | 9.36 | 0.00 |
| 01/13/11 | 1PM | 9.36 | 9.36 | 0.00 |
| 01/17/11 | 1PM | 9.36 | 9.36 | 0.00 |
| 01/19/11 | 2PM | 9.36 | 9.37 | 0.01 |
| 01/24/11 | 1PM | 9.36 | 9.36 | 0.00 |
| 01/26/11 | 1PM | 9.36 | 9.36 | 0.00 |
| 01/28/11 | 8AM | 9.36 | 9.36 | 0.00 |
| 01/31/11 | 1PM | 9.36 | 9.37 | 0.01 |
| 02/02/11 | 2PM | 9.36 | 9.36 | 0.00 |
| 02/04/11 | 2PM | 9.36 | 9.37 | 0.01 |
| 02/07/11 | 1PM | 9.36 | 9.36 | 0.00 |
| 02/09/11 | 2PM | 9.36 | 9.37 | 0.01 |
| 02/11/11 | 11AM | 9.36 | 9.37 | 0.01 |
| 02/14/11 | 1PM | 9.36 | 9.37 | 0.01 |
| 02/16/11 | 1PM | 9.36 | 9.36 | 0.00 |
| 02/23/11 | 1PM | 9.36 | 9.37 | 0.01 |
| 03/04/11 | 1PM | 9.36 | 9.37 | 0.01 |
| 03/11/11 | 1PM | 9.36 | 9.37 | 0.01 |
| 03/18/11 | 10AM | 9.36 | 9.37 | 0.01 |
| 04/01/11 | 9AM | 9.36 | 9.37 | 0.01 |

| KENNON SURVEYING SERVICES Inc. | | | | | |
|--------------------------------|------|---------------------------|---------------------------|---------------------------------|-------------------|
| 6 Powder Horn Drive | | | | | |
| P.O. Box 4477 | | | Proj. No. 2201 | | |
| Warren, N.J. 07059 | | | | | |
| Ph 732-564-1818 | | | | Prepared By | ELR |
| Fax 732-564-9999 | | | | Checked By | KLK |
| HONEYWELL | | | | Kenny L. Kennon, P.L.S. | <i>Rev 4-1-11</i> |
| JERSEY CITY, N.J. | | | | Sevenson Enviromental | |
| | | | | Sevenson Review | <i>DC</i> |
| | | | | Mactec Review | |
| FORCEMAIN MONITORING | | Datum | NGVD 29 | | |
| SMP-7 | | | | | |
| FIELD MEASUREMENT | TIME | BASELINE ELEVATION (Feet) | MEASURED ELEVATION (Feet) | CHANGE ELEVATION (Feet) +/-0.01 | |
| ##### | | | | | |
| Base | | 9.72 | | 9.72 | |
| 11/01/10 | 1PM | 9.72 | 9.72 | 0.00 | |
| 11/08/10 | 10AM | 9.72 | 9.72 | 0.00 | |
| 11/17/10 | 11AM | 9.72 | 9.72 | 0.00 | |
| 11/23/10 | 3PM | 9.72 | 9.72 | 0.00 | |
| 11/29/10 | 1PM | 9.72 | 9.72 | 0.00 | |
| 12/06/10 | 1PM | 9.72 | 9.72 | 0.00 | |
| 12/08/10 | 2PM | 9.72 | 9.72 | 0.00 | |
| 12/10/10 | 12PM | 9.72 | 9.72 | 0.00 | |
| 12/13/10 | 10AM | 9.72 | 9.72 | 0.00 | |
| 12/15/10 | 10AM | 9.72 | 9.72 | 0.00 | |
| 12/17/10 | 10AM | 9.72 | 9.72 | 0.00 | |
| 12/20/10 | 11AM | 9.72 | 9.72 | 0.00 | |
| 12/29/10 | 10AM | 9.72 | 9.72 | 0.00 | |
| 01/05/11 | 2PM | 9.72 | 9.72 | 0.00 | |
| 01/07/11 | 7AM | 9.72 | 9.72 | 0.00 | |
| 01/12/11 | 11AM | 9.72 | 9.71 | 0.01 | |
| 01/13/11 | 1PM | 9.72 | 9.72 | 0.00 | |
| 01/17/11 | 1PM | 9.72 | 9.72 | 0.00 | |
| 01/19/11 | 2PM | 9.72 | 9.72 | 0.00 | |
| 01/24/11 | 1PM | 9.72 | 9.72 | 0.00 | |
| 01/26/11 | 1PM | 9.72 | 9.71 | 0.01 | |
| 01/28/11 | 8AM | 9.72 | 9.71 | 0.01 | |
| 01/31/11 | 1PM | 9.72 | 9.72 | 0.00 | |
| 02/02/11 | 2PM | 9.72 | 9.71 | 0.01 | |
| 02/04/11 | 2PM | 9.72 | 9.72 | 0.00 | |
| 02/07/11 | 1PM | 9.72 | 9.71 | 0.01 | |
| 02/09/11 | 2PM | 9.72 | 9.72 | 0.00 | |
| 02/11/11 | 11AM | 9.72 | 9.72 | 0.00 | |
| 02/14/11 | 1PM | 9.72 | 9.72 | 0.00 | |
| 02/16/11 | 1PM | 9.72 | 9.71 | 0.01 | |
| 02/23/11 | 1PM | 9.72 | 9.72 | 0.00 | |
| 03/04/11 | 1PM | 9.72 | 9.71 | 0.01 | |
| 03/11/11 | 1PM | 9.72 | 9.72 | 0.00 | |
| 03/18/11 | 10AM | 9.72 | 9.72 | 0.00 | |
| 04/01/11 | 9AM | 9.72 | 9.72 | 0.00 | |

KENNON SURVEYING SERVICES Inc.

5 Powder Horn Drive

P.O. Box 4477

Warren, N.J. 07059

Ph 732-564-1818

Fax 732-564-9999

Proj. No. 2201

Prepared By

ELR

Checked By

KLK

HONEYWELL

Kenny L. Kennon, P.L.S.

Sevenson Enviromental

JERSEY CITY, N.J.

Sevenson Review

Mactec Review

FORCEMAIN MONITORING

Datum

NGVD 29

RP-1

| FIELD MEASUREMENT DATE | TIME | BASLINE ELEVATION (Feet) | MEASURED ELEVATION (Feet) | CHANGE ELEVATION (Feet) +/-0.01 |
|------------------------|------|--------------------------|---------------------------|---------------------------------|
| ##### | | | | |
| Base | | 9.62 | | 9.62 |
| 11/01/10 | 1PM | 9.62 | 9.62 | 0.00 |
| 11/08/10 | 10AM | 9.62 | 9.62 | 0.00 |
| 11/17/10 | 11AM | 9.62 | 9.64 | 0.02 |
| 11/23/10 | 3PM | 9.62 | 9.62 | 0.00 |
| 11/29/10 | 1PM | 9.62 | 9.62 | 0.00 |
| 12/06/10 | 1PM | 9.62 | 9.62 | 0.00 |
| 12/08/10 | 2PM | 9.62 | 9.62 | 0.00 |
| 12/10/10 | 12PM | 9.62 | 9.62 | 0.00 |
| 12/13/10 | 10AM | 9.62 | 9.62 | 0.00 |
| 12/29/10 | 10AM | 9.62 | 9.62 | 0.00 |
| 01/05/11 | 2PM | 9.62 | 9.62 | 0.00 |
| 01/07/11 | 7AM | 9.62 | 9.62 | 0.00 |
| 01/12/11 | 11AM | 9.62 | 9.62 | 0.00 |
| 01/13/11 | 1PM | 9.62 | 9.61 | 0.01 |
| 01/17/11 | 1PM | 9.62 | 9.62 | 0.00 |
| 01/19/11 | 2PM | 9.62 | 9.63 | 0.01 |
| 01/24/11 | 1PM | 9.62 | 9.62 | 0.00 |
| 01/26/11 | 1PM | 9.62 | 9.61 | 0.01 |
| 01/28/11 | 8AM | 9.62 | 9.60 | 0.02 |
| 01/31/11 | 1PM | 9.62 | 9.62 | 0.00 |
| 02/02/11 | 2PM | 9.62 | 9.60 | 0.02 |
| 02/04/11 | 2PM | 9.62 | 9.62 | 0.00 |
| 02/07/11 | 1PM | 9.62 | 9.61 | 0.01 |
| 02/09/11 | 2PM | 9.62 | 9.61 | 0.01 |
| 02/11/11 | 11AM | 9.62 | 9.61 | 0.01 |
| 02/14/11 | 1PM | 9.62 | 9.61 | 0.01 |
| 02/16/11 | 1PM | 9.62 | 9.61 | 0.01 |
| 02/23/11 | 1PM | 9.62 | 9.61 | 0.01 |
| 03/04/11 | 1PM | 9.62 | 9.61 | 0.01 |
| 03/11/11 | 1PM | 9.62 | 9.62 | 0.00 |
| 03/18/11 | 10AM | 9.62 | 9.61 | 0.01 |
| 04/01/11 | 9AM | 9.62 | 9.61 | 0.01 |

| | |
|-------|---------|
| Datum | NGVD 29 |
|-------|---------|

| FIELD MEASUREMENT DATE | TIME | BASELINE ELEVATION (Feet) | MEASURED ELEVATION (Feet) | CHANGE ELEVATION (Feet) +/-0.01 |
|------------------------|------|---------------------------|---------------------------|---------------------------------|
| ##### | | | | |
| Base | | 9.72 | | 9.72 |
| 02/07/11 | 1PM | 9.72 | 9.72 | 0.00 |
| 02/09/11 | 2PM | 9.72 | 9.72 | 0.00 |
| 02/11/11 | 11AM | 9.72 | 9.72 | 0.00 |
| 02/14/11 | 1PM | 9.72 | 9.71 | 0.01 |
| 02/16/11 | 1PM | 9.72 | 9.71 | 0.01 |
| 02/23/11 | 1PM | 9.72 | 9.72 | 0.00 |
| 03/04/11 | 1PM | 9.72 | 9.72 | 0.00 |
| 03/11/11 | 1PM | 9.72 | 9.72 | 0.00 |
| 03/18/11 | 10AM | 9.72 | 9.71 | 0.01 |
| 04/01/11 | 9AM | 9.72 | 9.71 | 0.01 |

320
400
500

2201

4/1/11
N.S.
E.L.

STB

RS

H1

LS

RS

9.740

RM-INTL

5.600

15.340

5.83

9.740

RP-1

5.19

16.860

5.73

17.190

9.610

SMP-5

5.625

18.205

6.095

9.245

KD-2

5.43

16.880

5.627

9.713

RM-ARMX

4.055

3.805

3.56

11.420

3.807

11.533

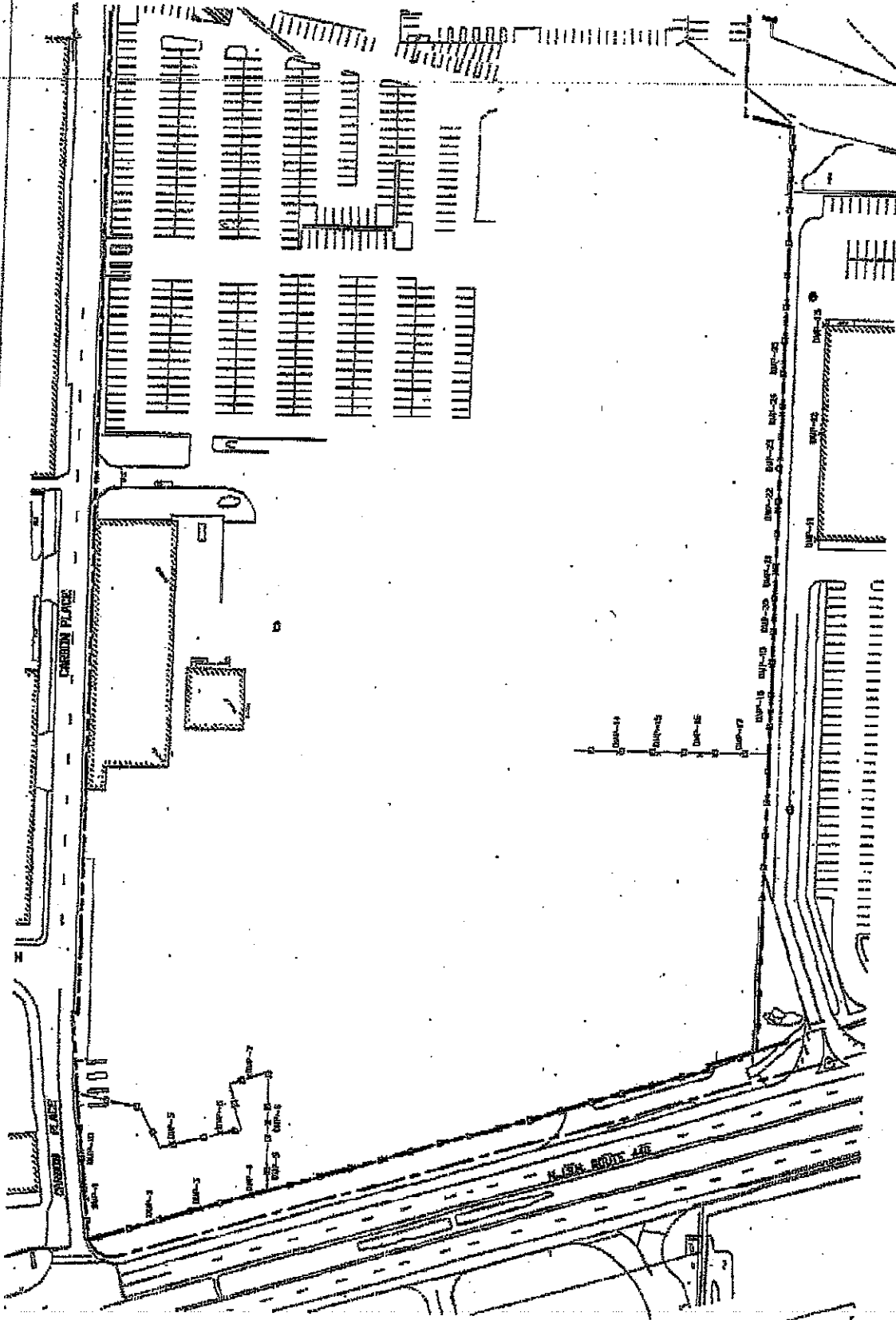
| | | | | | 226 | 4111 |
|-----------|-------|--------|--------|--------|-----|------|
| STB | BS | H1 | IF3 | FS | EL | |
| | 2.24 | | | | | |
| | 1.70 | | | | | |
| | 1.33 | | | | | |
| | 5.350 | | | | | |
| | 17830 | 13.316 | | | | |
| BM-REGSPK | | | | | | |
| | | | 4.65 | | | |
| | | | 4.335 | | | |
| | | | 4.015 | | | |
| | | | 13.000 | | | |
| | | | 4.333 | | | |
| SMP-4 | | | 5.15 | 18.983 | | |
| | | | 4.68 | | | |
| | | | 4.22 | | | |
| | | | 14.060 | | | |
| | | | 4.607 | | | |
| SMP-3 | | | 6.18 | 18.629 | | |
| | | | 5.445 | | | |
| | | | 4.705 | | | |
| | | | 16.330 | | | |
| | | | 5.443 | | | |
| SMP-2 | | | 6.03 | 17.873 | | |
| | | | 5.895 | | | |
| | | | 4.86 | | | |
| | | | 17.535 | | | |
| | | | 5.845 | | | |
| SMP-1 | | | | 17.471 | | |

2201

4/1/11

21

| STN | BS | HI | IFS | FS | EL |
|----------|----|----|--------|----|----|
| SMP-C | | | 4.98 | | |
| | | | 3.95 | | |
| | | | 8.32 | | |
| | | | 11.850 | | |
| SMP-7 | | | 3.550 | | |
| | | | 4.245 | | |
| | | | 3.595 | | |
| | | | 2.95 | | |
| BM-R&R/K | | | 11.790 | | |
| | | | 3.597 | | |
| | | | 2.24 | | |
| | | | 1.78 | | |
| BM-INT | | | 1.53 | | |
| | | | 5.350 | | |
| | | | 1.783 | | |
| | | | 11.533 | | |
| BM-INT | | | 3.39 | | |
| | | | 3.11 | | |
| | | | 2.835 | | |
| | | | 9.335 | | |
| BM-INT | | | 3.112 | | |
| | | | 4.645 | | |
| | | | 5.37 | | |
| | | | 4.98 | | |
| BM-INT | | | 4.445 | | |
| | | | 14.736 | | |
| | | | 4.910 | | |
| | | | 9.735 | | |



DMP MONITORING POINT LOCATION
HONEYWELL
STUDY AREA 5-SITE 090,184 & 156
JERSEY CITY, NEW JERSEY

KSS KENNON SURVEYING SERVICES INC.
 6 TOWN HALL DRIVE, SUITE 2
 JERSEY CITY, NJ 07310
 PHONE 201-524-1808
 FAX 201-524-1809

KENNY L. KENNON, P.L.S.
 PROFESSIONAL LAND SURVEYOR LICENSE NO. 80371

11-11-10 NOT TO SCALE 2201 1 OF 1

| | | | | | | | | | | | |
|--------------------------------|--|------------|------------------------|--------|-----------------|------------|--------|---------------|------|-------|------------|
| KENNON SURVEYING SERVICES Inc. | | | | | | | | | | | |
| 5 Powder Horn Drive | | | | | | | | | | | |
| P.O. Box 4477 | | | Proj. No. 2201 | | | | | | | | |
| Warren, N.J. 07059 | | | | | | | | | | | |
| Ph 732-564-1818 | | | Prepared By ELR | | | | | | | | |
| Fax 732-564-9999 | | | Checked By KKK | | | | | | | | |
| HONEYWELL | | | Kenny L. Kennon P.L.S. | | | 11/11/11 | | | | | |
| | | | Sevenson Enviromental | | | | | | | | |
| JERSEY CITY, N.J. | | | | | | | | | | | |
| | | | Sevenson Review | | | RV | | | | | |
| | | | Mactec Review | | | | | | | | |
| DMP MONITORING | | | Datum NGVD 29 | | | | | | | | |
| DMP-11 | | | | | | | | | | | |
| ----- | | | | | | | | | | | |
| FIELD | | BASELINE | | | MEASURED (feet) | | | CHANGE (feet) | | | |
| DATA | | | | | | | | +/-0.02 | | | |
| DATE | | NORTH | EAST | ELEV. | NORTH | EAST | ELEV. | NORTH | EAST | ELEV. | xy inverse |
| ----- | | | | | | | | | | | |
| Base 11/4/10 | | 684441.328 | 604087.210 | 31.909 | | | | | | | |
| | | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 |
| 11/8/10 10AM | | 684441.328 | 604087.210 | 31.909 | 684441.309 | 604087.211 | 31.920 | 0.02 | 0.00 | 0.01 | 0.02 |
| 11/16/10 12PM | | 684441.328 | 604087.210 | 31.909 | 684441.337 | 604087.221 | 31.902 | 0.01 | 0.01 | 0.01 | 0.01 |
| 11/29/10 9AM | | 684441.328 | 604087.210 | 31.909 | 684441.343 | 604087.230 | 31.901 | 0.02 | 0.02 | 0.01 | 0.03 |
| 12/06/10 11AM | | 684441.328 | 604087.210 | 31.909 | 684441.327 | 604087.216 | 31.911 | 0.00 | 0.01 | 0.00 | 0.01 |
| 12/08/10 12PM | | 684441.328 | 604087.210 | 31.909 | 684441.328 | 604087.220 | 31.902 | 0.00 | 0.01 | 0.01 | 0.01 |
| 12/10/10 10AM | | 684441.328 | 604087.210 | 31.909 | 684441.312 | 604087.219 | 31.905 | 0.02 | 0.01 | 0.00 | 0.02 |
| 12/13/10 9AM | | 684441.328 | 604087.210 | 31.909 | 684441.334 | 604087.219 | 31.908 | 0.01 | 0.01 | 0.00 | 0.01 |
| 12/15/10 9AM | | 684441.328 | 604087.210 | 31.909 | 684441.320 | 604087.213 | 31.901 | 0.01 | 0.00 | 0.01 | 0.01 |
| 12/17/10 9AM | | 684441.328 | 604087.210 | 31.909 | 684441.317 | 604087.220 | 31.904 | 0.01 | 0.01 | 0.01 | 0.01 |
| 12/20/10 9AM | | 684441.328 | 604087.210 | 31.909 | 684441.317 | 604087.219 | 31.897 | 0.01 | 0.01 | 0.01 | 0.01 |
| 12/22/10 10AM | | 684441.328 | 604087.210 | 31.909 | 684441.316 | 604087.216 | 31.902 | 0.01 | 0.01 | 0.01 | 0.01 |
| 1/11/11 11AM | | 684441.328 | 604087.210 | 31.909 | 684441.316 | 604087.232 | 31.918 | 0.01 | 0.02 | 0.01 | 0.02 |
| 1/17/11 9AM | | 684441.328 | 604087.210 | 31.909 | 684441.313 | 604087.225 | 31.910 | 0.01 | 0.01 | 0.00 | 0.02 |
| 1/24/11 11AM | | 684441.328 | 604087.210 | 31.909 | 684441.330 | 604087.174 | 31.898 | 0.00 | 0.04 | 0.01 | 0.04 |
| NO DATA | | | | | | | | | | | |
| 1/28/11 10AM | | 684441.328 | 604087.210 | 31.909 | 684441.34 | 604087.222 | 31.901 | 0.01 | 0.01 | 0.01 | 0.02 |
| 1/31/11 9AM | | 684441.328 | 604087.210 | 31.909 | 684441.31 | 604087.215 | 31.895 | 0.01 | 0.01 | 0.01 | 0.01 |
| 2/2/11 10AM | | 684441.328 | 604087.210 | 31.909 | 684441.33 | 604087.18 | 31.898 | 0.00 | 0.03 | 0.01 | 0.03 |
| 2/1/11 11AM | | 684441.328 | 604087.210 | 31.909 | 684441.33 | 604087.189 | 31.893 | 0.01 | 0.02 | 0.02 | 0.02 |
| 2/7/11 11AM | | 684441.328 | 604087.210 | 31.909 | 684441.33 | 604087.219 | 31.906 | 0.00 | 0.01 | 0.00 | 0.01 |
| | | | | | | | | | | | |
| | | | | | | | | | | | |

[illegible]

KENNON SURVEYING SERVICES Inc.

5 Powder Horn Drive

P.O. Box 4477

Proj. No. 2201

Warren, N.J. 07059

Ph 732-564-1818

Prepared By ELR

Fax 732-564-9999

Checked By KKK

HONEYWELL

Kenny L. Kennon P.L.S.

Sevenson Environmental

JERSEY CITY, N.J.

Sevenson Review

Mactec Review

DMP MONITORING

Datum

NGVD 29

DMP-13

FIELD

BASELINE

MEASURED (feet)

CHANGE (feet)

DATA

+/-0.02

DATE

NORTH

EAST

ELEV.

NORTH

EAST

ELEV.

NORTH

EAST

ELEV.

xy inverse

Base 11/4/10

684302.866

604247.214

31.962

0.00

0.00

0.00

0.00

11/8/10 10AM

684302.866

604247.214

31.962

684302.862

604247.218

31.972

0.00

0.00

0.01

0.01

11/17/10 8AM

684302.866

604247.214

31.962

684302.867

604247.222

31.945

0.00

0.01

0.02

0.01

11/29/10 9AM

684302.866

604247.214

31.962

684302.859

604247.213

31.955

0.01

0.00

0.01

0.01

12/06/10 11AM

684302.866

604247.214

31.962

684302.884

604247.218

31.959

0.02

0.00

0.00

0.02

12/08/10 12PM

684302.866

604247.214

31.962

684302.884

604247.217

31.967

0.02

0.00

0.01

0.02

12/10/10 10AM

684302.866

604247.214

31.962

684302.880

604247.213

31.957

0.01

0.00

0.00

0.01

12/13/10 9AM

684302.866

604247.214

31.962

684302.900

604247.215

31.956

0.03

0.00

0.01

0.03

12/15/10 9AM

684302.866

604247.214

31.962

684302.877

604247.216

31.959

0.01

0.00

0.00

0.01

12/17/10 9AM

684302.866

604247.214

31.962

684302.882

604247.219

31.954

0.02

0.01

0.01

0.02

12/20/10 9AM

684302.866

604247.214

31.962

684302.880

604247.217

31.971

0.01

0.00

0.01

0.01

12/22/10 10AM

684302.866

604247.214

31.962

684302.882

604247.217

31.952

0.02

0.00

0.01

0.02

1/11/11 11AM

684302.866

604247.214

31.962

684302.880

604247.221

31.957

0.01

0.01

0.01

0.02

1/17/11 9AM

684302.866

604247.214

31.962

684302.881

604247.223

31.958

0.03

0.01

0.00

0.02

NO DATA

1/26/11 11AM

684302.866

604247.214

31.962

684302.871

604247.230

31.971

0.00

0.02

0.01

0.02

1/28/11 10AM

684302.866

604247.214

31.962

684302.86

604247.225

31.969

0.00

0.01

0.01

0.01

1/31/11 9AM

684302.866

604247.214

31.962

684302.88

604247.226

31.959

0.02

0.01

0.00

0.02

2/2/11 10AM

684302.866

604247.214

31.962

684302.84

604247.219

31.957

0.02

0.01

0.00

0.03

2/1/11 11AM

684302.866

604247.214

31.962

684302.84

604247.224

31.95

0.03

0.01

0.01

0.03

2/7/11 11AM

684302.866

604247.214

31.962

684302.88

604247.222

31.958

0.01

0.01

0.00

0.02

KENNON SURVEYING SERVICES Inc.

5 Powder Horn Drive

P.O. Box 4477

Proj. No. 2201

Warren, N.J. 07059

Ph 732-564-1818

Prepared By ELR

Fax 732-564-9999

Checked By KKK

HONEYWELL

Kenny L. Kennon P.L.S.

Sevenson Environmental

JERSEY CITY, N.J.

Sevenson Review

Mactec Review

DMP MONITORING

Datum

NGVD 29

DMP-18

FIELD

BASELINE

MEASURED (feet)

CHANGE (feet)

DATA

+/-0.02

DATE

NORTH

EAST

ELEV.

NORTH

EAST

ELEV.

NORTH

EAST

ELEV.

xy Inverse

Base 11/4/10

684583.329

603984.711

16.948

0.00

0.00

0.00

0.00

11/8/10 10AM

684583.329

603984.711

16.948

684583.321

603984.716

16.956

0.01

0.01

0.01

0.01

11/16/10 12PM

684583.329

603984.711

16.948

684583.340

603984.738

16.946

0.01

0.03

0.00

0.03

11/29/10 9AM

684583.329

603984.711

16.948

684583.348

603984.709

16.948

0.02

0.00

0.00

0.02

12/06/10 11AM

684583.329

603984.711

16.948

684583.314

603984.711

16.946

0.02

0.00

0.00

0.02

12/08/10 12PM

684583.329

603984.711

16.948

684583.330

603984.709

16.936

0.00

0.00

0.01

0.00

12/10/10 10AM

684583.329

603984.711

16.948

684583.343

603984.714

16.950

0.01

0.00

0.00

0.01

12/13/10 9AM

684583.329

603984.711

16.948

684583.325

603984.694

16.950

0.00

0.02

0.00

0.02

12/15/10 9AM

684583.329

603984.711

16.948

684583.333

603984.692

16.951

0.00

0.02

0.00

0.02

12/17/10 9AM

684583.329

603984.711

16.948

684583.329

603984.697

16.944

0.00

0.01

0.00

0.01

12/20/10 9AM

684583.329

603984.711

16.948

684583.339

603984.703

16.941

0.01

0.01

0.01

0.01

12/22/10 10AM

684583.329

603984.711

16.948

684583.326

603984.717

16.952

0.00

0.01

0.00

0.01

1/11/11 11AM

684583.329

603984.711

16.948

684583.293

603984.690

16.925

0.04

0.02

0.02

0.04

1/17/11 9AM

684583.329

603984.711

16.948

684583.336

603984.698

16.947

0.01

0.01

0.00

0.02

1/24/11 11AM

684583.329

603984.711

16.948

684583.331

603984.702

16.949

0.00

0.01

0.00

0.01

1/26/11 11AM

684583.329

603984.711

16.948

684583.330

603984.708

16.946

0.00

0.00

0.00

0.00

1/28/11 10AM

684583.329

603984.711

16.948

684583.33

603984.708

16.946

0.00

0.00

0.00

0.00

1/31/11 9AM

684583.329

603984.711

16.948

684583.33

603984.687

16.949

0.00

0.02

0.00

0.02

2/2/11 10AM

684583.329

603984.711

16.948

684583.34

603984.728

16.96

0.01

0.02

0.01

0.02

2/1/11 11AM

684583.329

603984.711

16.948

684583.34

603984.7

16.958

0.01

0.01

0.01

0.01

2/7/11 11AM

684583.329

603984.711

16.948

684583.32

603984.702

16.946

0.01

0.01

0.00

0.02

| | | | | | | | | | | | | | | | | | | | | | |
|---------------------------------------|--|------------|------------|--------|-----------------|------------------------|--------|-----------------|------|-------|------------|--|--|--|--|--|--|--|--|--|--|
| KENNON SURVEYING SERVICES Inc. | | | | | | | | | | | | | | | | | | | | | |
| 5 Powder Horn Drive | | | | | | | | | | | | | | | | | | | | | |
| P.O. Box 4477 | | | | | | Proj. No. 2201 | | | | | | | | | | | | | | | |
| Warren, N.J. 07059 | | | | | | | | | | | | | | | | | | | | | |
| Ph 732-564-1818 | | | | | | | | Prepared By ELR | | | | | | | | | | | | | |
| Fax 732-564-9999 | | | | | | | | Checked By KLK | | | | | | | | | | | | | |
| HONEYWELL | | | | | | Kenny L. Kennon P.L.S. | | VLL 2-9-11 | | | | | | | | | | | | | |
| JERSEY CITY, N.J. | | | | | | Sevenson Enviromental | | | | | | | | | | | | | | | |
| | | | | | | Sevenson Review | | QV | | | | | | | | | | | | | |
| | | | | | | Mactec Review | | | | | | | | | | | | | | | |
| DMP MONITORING | | | | | | Datum NGVD 29 | | | | | | | | | | | | | | | |
| DMP-19 | | | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | | | |
| FIELD | | BASELINE | | | MEASURED (feet) | | | CHANGE (feet) | | | | | | | | | | | | | |
| DATA | | | | | | | | +/-0.02 | | | | | | | | | | | | | |
| DATE | | NORTH | EAST | ELEV. | NORTH | EAST | ELEV. | NORTH | EAST | ELEV. | xy inverse | | | | | | | | | | |
| Base 11/4/10 | | 684553.263 | 604019.488 | 17.436 | | | | | | | | | | | | | | | | | |
| 11/8/10 10AM | | 684553.263 | 604019.488 | 17.436 | 684553.274 | 604019.482 | 17.442 | 0.01 | 0.01 | 0.00 | 0.01 | | | | | | | | | | |
| 11/16/10 12PM | | 684553.263 | 604019.488 | 17.436 | 684553.257 | 604019.490 | 17.437 | 0.01 | 0.00 | 0.00 | 0.01 | | | | | | | | | | |
| 11/29/10 9AM | | 684553.263 | 604019.488 | 17.436 | 684553.271 | 604019.485 | 17.441 | 0.00 | 0.00 | 0.00 | 0.01 | | | | | | | | | | |
| 12/06/10 11AM | | 684553.263 | 604019.488 | 17.436 | 684553.284 | 604019.484 | 17.436 | 0.02 | 0.00 | 0.00 | 0.02 | | | | | | | | | | |
| 12/08/10 12PM | | 684553.263 | 604019.488 | 17.436 | 684553.270 | 604019.494 | 17.425 | 0.01 | 0.01 | 0.01 | 0.01 | | | | | | | | | | |
| 12/10/10 10AM | | 684553.263 | 604019.488 | 17.436 | 684553.283 | 604019.477 | 17.442 | 0.02 | 0.01 | 0.01 | 0.02 | | | | | | | | | | |
| 12/13/10 9AM | | 684553.263 | 604019.488 | 17.436 | 684553.265 | 604019.478 | 17.442 | 0.00 | 0.01 | 0.01 | 0.01 | | | | | | | | | | |
| 12/15/10 9AM | | 684553.263 | 604019.488 | 17.436 | 684553.271 | 604019.507 | 17.440 | 0.01 | 0.02 | 0.00 | 0.02 | | | | | | | | | | |
| 12/17/10 9AM | | 684553.263 | 604019.488 | 17.436 | 684553.259 | 604019.497 | 17.436 | 0.00 | 0.01 | 0.00 | 0.01 | | | | | | | | | | |
| 12/20/10 9AM | | 684553.263 | 604019.488 | 17.436 | 684553.284 | 604019.486 | 17.429 | 0.02 | 0.00 | 0.01 | 0.02 | | | | | | | | | | |
| 12/22/10 10AM | | 684553.263 | 604019.488 | 17.436 | 684553.279 | 604019.487 | 17.437 | 0.02 | 0.00 | 0.00 | 0.02 | | | | | | | | | | |
| 1/11/10 11AM | | 684553.263 | 604019.488 | 17.436 | 684553.269 | 604019.498 | 17.423 | 0.01 | 0.00 | 0.01 | 0.01 | | | | | | | | | | |
| 1/17/11 9AM | | 684553.263 | 604019.488 | 17.436 | 684553.268 | 604019.481 | 17.437 | 0.00 | 0.01 | 0.00 | 0.01 | | | | | | | | | | |
| 1/24/11 11AM | | 684553.263 | 604019.488 | 17.436 | 684553.279 | 604019.483 | 17.437 | 0.02 | 0.01 | 0.00 | 0.02 | | | | | | | | | | |
| 1/26/11 11AM | | 684553.263 | 604019.488 | 17.436 | 684553.278 | 604019.476 | 17.435 | 0.01 | 0.01 | 0.00 | 0.02 | | | | | | | | | | |
| 1/28/11 10AM | | 684553.263 | | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | |
|--------------------------------|--|------------|------------|------------------------|-----------------|------------|--------|---------------|------|-------|------------|
| KENNON SURVEYING SERVICES Inc. | | | | | | | | | | | |
| 5 Powder Horn Drive | | | | | | | | | | | |
| P.O. Box 4477 | | | | Proj. No. 2201 | | | | | | | |
| Warren, N.J. 07059 | | | | | | | | | | | |
| Ph 732-564-1818 | | | | Prepared By ELR | | | | | | | |
| Fax 732-564-9999 | | | | Checked By KKK | | | | | | | |
| HONEYWELL | | | | Kenny L. Kennon P.L.S. | | | | 11/2-8-11 | | | |
| | | | | Sevenson Enviromental | | | | | | | |
| JERSEY CITY, N.J. | | | | | | | | | | | |
| | | | | Sevenson Review | | | | R | | | |
| | | | | Mactec Review | | | | | | | |
| DMP MONITORING | | | | Datum NGVD 29 | | | | | | | |
| DMP-20 | | | | | | | | | | | |
| ----- | | | | | | | | | | | |
| FIELD | | BASELINE | | | MEASURED (feet) | | | CHANGE (feet) | | | |
| DATA | | | | | | | | +/-0.02 | | | |
| DATE | | NORTH | EAST | ELEV. | NORTH | EAST | ELEV. | NORTH | EAST | ELEV. | xy inverse |
| ----- | | | | | | | | | | | |
| Base 11/4/10 | | 684523.224 | 604054.182 | 17.579 | | | | | | | |
| | | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 |
| 11/8/10 10AM | | 684523.224 | 604054.182 | 17.579 | 684523.204 | 604054.179 | 17.583 | 0.02 | 0.00 | 0.00 | 0.02 |
| 11/16/10 12PM | | 684523.224 | 604054.182 | 17.579 | 684523.231 | 604054.195 | 17.577 | 0.01 | 0.01 | 0.00 | 0.02 |
| 11/29/10 9AM | | 684523.224 | 604054.182 | 17.579 | 684523.215 | 604054.178 | 17.580 | 0.01 | 0.00 | 0.00 | 0.01 |
| 12/06/10 11AM | | 684523.224 | 604054.182 | 17.579 | 684523.233 | 604054.173 | 17.573 | 0.01 | 0.01 | 0.01 | 0.01 |
| 12/08/10 12PM | | 684523.224 | 604054.182 | 17.579 | 684523.226 | 604054.175 | 17.574 | 0.00 | 0.01 | 0.00 | 0.01 |
| 12/10/10 10AM | | 684523.224 | 604054.182 | 17.579 | 684523.235 | 604054.185 | 17.579 | 0.01 | 0.00 | 0.00 | 0.01 |
| 12/13/10 9AM | | 684523.224 | 604054.182 | 17.579 | 684523.224 | 604054.183 | 17.585 | 0.00 | 0.00 | 0.01 | 0.00 |
| 12/15/10 9AM | | 684523.224 | 604054.182 | 17.579 | 684523.211 | 604054.173 | 17.579 | 0.01 | 0.01 | 0.00 | 0.02 |
| 12/17/10 9AM | | NO DATA | | | | | | | | | |
| 12/20/10 9AM | | 684523.224 | 604054.182 | 17.579 | 684523.232 | 604054.163 | 17.586 | 0.01 | 0.02 | 0.01 | 0.02 |
| 12/22/10 10AM | | 684523.224 | 604054.182 | 17.579 | 684523.231 | 604054.172 | 17.581 | 0.01 | 0.01 | 0.00 | 0.01 |
| 1/11/11 11AM | | 684523.224 | 604054.182 | 17.579 | 684523.235 | 604054.175 | 17.560 | 0.01 | 0.01 | 0.02 | 0.01 |
| 1/17/11 9AM | | 684523.224 | 604054.182 | 17.579 | 684523.228 | 604054.176 | 17.577 | 0.00 | 0.01 | 0.00 | 0.01 |
| 1/24/11 11AM | | 684523.224 | 604054.182 | 17.579 | 684523.210 | 604054.167 | 17.562 | 0.01 | 0.02 | 0.00 | 0.02 |
| 1/26/11 11AM | | 684523.224 | 604054.182 | 17.579 | 684523.242 | 604054.183 | 17.577 | 0.02 | 0.00 | 0.00 | 0.02 |
| 1/28/11 10AM | | 684523.224 | 604054.182 | 17.579 | 684523.24 | 604054.183 | 17.577 | 0.02 | 0.00 | 0.00 | 0.02 |
| 1/31/11 9AM | | 684523.224 | 604054.182 | 17.579 | 684523.24 | 604054.177 | 17.574 | 0.02 | 0.00 | 0.00 | 0.02 |
| 2/2/11 10AM | | 684523.224 | 604054.182 | 17.579 | 684523.23 | 604054.191 | 17.592 | 0.01 | 0.01 | 0.01 | 0.01 |
| 2/1/11 11AM | | 684523.224 | 604054.182 | 17.579 | 684523.22 | 604054.175 | 17.585 | 0.00 | 0.01 | 0.01 | 0.01 |
| 2/7/11 11AM | | 684523.224 | 604054.182 | 17.579 | 684523.22 | 604054.171 | 17.571 | 0.00 | 0.01 | 0.01 | 0.01 |

KENNON SURVEYING SERVICES Inc.

5 Powder Horn Drive

P.O. Box 4477

Proj. No. 2201

Warren, N.J. 07059

Ph 732-564-1818

Prepared By ELR

Fax 732-564-9999

Checked By KKK

HONEYWELL

Kenny L. Kennon P.L.S.

Sevenson Environmental

JERSEY CITY, N.J.

Sevenson Review

Mactec Review

DMP MONITORING

Datum

NGVD 29

DMP-21

FIELD

BASELINE

MEASURED (feet)

CHANGE (feet)

DATA

+/-0.02

DATE

NORTH

EAST

ELEV.

NORTH

EAST

ELEV.

NORTH

EAST

ELEV.

xy Inverse

Base 11/4/10

684493.238

604089.012

17.001

0.00

0.00

0.00

0.00

11/8/10 10AM

684493.238

604089.012

17.001

684493.230

604089.014

17.003

0.01

0.00

0.00

0.01

11/16/10 12PM

684493.238

604089.012

17.001

684493.248

604088.991

17.000

0.01

0.02

0.00

0.02

11/29/10 9AM

684493.238

604089.012

17.001

684493.263

604089.011

17.008

0.02

0.00

0.01

0.02

12/06/10 11AM

684493.238

604089.012

17.001

684493.240

604089.019

16.996

0.00

0.01

0.01

0.01

12/08/10 12PM

684493.238

604089.012

17.001

684493.236

604089.011

16.997

0.00

0.00

0.00

0.00

12/10/10 10AM

684493.238

604089.012

17.001

684493.257

604089.017

17.007

0.02

0.01

0.01

0.02

12/13/10 9AM

684493.238

604089.012

17.001

684493.237

604089.009

17.006

0.00

0.00

0.00

0.00

12/15/10 9AM

684493.238

604089.012

17.001

684493.247

604089.030

17.008

0.01

0.02

0.01

0.02

12/17/10 9AM

684493.238

604089.012

17.001

684493.236

604088.990

16.996

0.00

0.02

0.01

0.02

12/20/10 9AM

684493.238

604089.012

17.001

684493.250

604089.019

17.010

0.01

0.01

0.01

0.01

12/22/10 10AM

684493.238

604089.012

17.001

684493.236

604088.999

17.001

0.00

0.01

0.00

0.01

1/11/10 11AM

684493.238

604089.012

17.001

684493.258

604088.993

16.994

0.02

0.02

0.01

0.03

1/17/11 9AM

684493.238

604089.012

17.001

684493.253

604089.015

17.000

0.02

0.00

0.00

0.02

1/24/11 11AM

684493.238

604089.012

17.001

684493.244

604089.000

17.001

0.01

0.01

0.00

0.01

1/26/11 11AM

684493.238

604089.012

17.001

684493.234

604089.011

16.996

0.00

0.00

0.01

0.00

1/28/11 10AM

684493.238

604089.012

17.001

684493.23

604089.011

16.996

0.00

0.00

0.01

0.00

1/31/11 9AM

684493.238

604089.012

17.001

684493.25

604089.013

16.995

0.01

0.00

0.01

0.01

2/2/11 10AM

684493.238

604089.012

17.001

684493.24

604089

17.013

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0.01

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2/1/11 11AM

684493.238

604089.012

17.001

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17.008

0.01

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2/7/11 11AM

684493.238

604089.012

17.001

684493.24

604089.001

16.997

0.00

0.01

0.00

0.01

KENNON SURVEYING SERVICES Inc.

5 Powder Horn Drive

P.O. Box 4477

Proj. No. 2201

Warren, N.J. 07059

Ph 732-564-1818

Prepared By ELR

Fax 732-564-9999

Checked By KLK

HONEYWELL

Kenny L. Kennon P.L.S.

Sevenson Environmental

JERSEY CITY, N.J.

Sevenson Review

Mactec Review

DMP MONITORING

Datum

NGVD 29

DMP-22

FIELD

BASELINE

MEASURED (feet)

CHANGE (feet)

DATA

+/-0.02

DATE

NORTH

EAST

ELEV.

NORTH

EAST

ELEV.

NORTH

EAST

ELEV.

xy inverse

Base 11/4/10

| | | | | | | | | | | |
|---------------|------------|------------|--------|------------|------------|--------|------|------|------|------|
| | | | | | | | 0.00 | 0.00 | 0.00 | 0.00 |
| 11/8/10 10AM | 684453.484 | 604135.329 | 16.768 | 684453.498 | 604135.346 | 16.776 | 0.01 | 0.02 | 0.01 | 0.02 |
| 11/16/10 12PM | 684453.484 | 604135.329 | 16.768 | 684453.488 | 604135.338 | 16.770 | 0.00 | 0.01 | 0.00 | 0.01 |
| 11/29/10 9AM | 684453.484 | 604135.329 | 16.768 | 684453.501 | 604135.316 | 16.772 | 0.02 | 0.01 | 0.00 | 0.02 |
| 12/06/10 11AM | 684453.484 | 604135.329 | 16.768 | 684453.488 | 604135.313 | 16.763 | 0.00 | 0.02 | 0.00 | 0.02 |
| 12/08/10 12PM | 684453.484 | 604135.329 | 16.768 | 684453.476 | 604135.338 | 16.762 | 0.01 | 0.01 | 0.01 | 0.01 |
| 12/10/10 10AM | 684453.484 | 604135.329 | 16.768 | 684453.500 | 604135.339 | 16.773 | 0.02 | 0.01 | 0.01 | 0.02 |
| 12/13/10 9AM | 684453.484 | 604135.329 | 16.768 | 684453.486 | 604135.317 | 16.774 | 0.00 | 0.01 | 0.01 | 0.01 |
| 12/15/10 9AM | 684453.484 | 604135.329 | 16.768 | 684453.462 | 604135.322 | 16.771 | 0.02 | 0.01 | 0.00 | 0.02 |
| 12/17/10 9AM | 684453.484 | 604135.329 | 16.768 | 684453.510 | 604135.325 | 16.766 | 0.03 | 0.00 | 0.00 | 0.03 |
| 12/20/10 9AM | 684453.484 | 604135.329 | 16.768 | 684453.491 | 604135.343 | 16.779 | 0.01 | 0.01 | 0.01 | 0.02 |
| 12/22/10 10AM | 684453.484 | 604135.329 | 16.768 | 684453.492 | 604135.348 | 16.770 | 0.01 | 0.02 | 0.00 | 0.02 |
| 1/11/10 11AM | 684453.484 | 604135.329 | 16.768 | 684453.470 | 604135.333 | 16.763 | 0.01 | 0.00 | 0.00 | 0.02 |
| 1/17/11 9AM | 684453.484 | 604135.329 | 16.768 | 684453.501 | 604135.332 | 16.769 | 0.02 | 0.00 | 0.00 | 0.02 |
| 1/24/11 11AM | 684453.484 | 604135.329 | 16.768 | 684453.483 | 604135.341 | 16.770 | 0.00 | 0.01 | 0.00 | 0.01 |
| 1/26/11 11AM | 684453.484 | 604135.329 | 16.768 | 684453.503 | 604135.318 | 16.764 | 0.02 | 0.01 | 0.00 | 0.02 |
| 1/28/11 10AM | 684453.484 | 604135.329 | 16.768 | 684453.5 | 604135.318 | 16.764 | 0.02 | 0.01 | 0.00 | 0.02 |
| 1/31/11 9AM | 684453.484 | 604135.329 | 16.768 | 684453.49 | 604135.329 | 16.76 | 0.01 | 0.00 | 0.01 | 0.01 |
| 2/2/11 10AM | 684453.484 | 604135.329 | 16.768 | 684453.48 | 604135.314 | 16.782 | 0.01 | 0.01 | 0.01 | 0.02 |
| 2/1/11 11AM | 684453.484 | 604135.329 | 16.768 | 684453.51 | 604135.313 | 16.774 | 0.02 | 0.02 | 0.01 | 0.03 |
| 2/7/11 11AM | 684453.484 | 604135.329 | 16.768 | 684453.49 | 604135.342 | 16.762 | 0.01 | 0.01 | 0.01 | 0.02 |

RV

| | | | | | | | | | |
|--------------------------------|------------|------------|------------------------|------------|---------------|-----------|------------|------|--|
| KENNON SURVEYING SERVICES Inc. | | | | | | | | | |
| 5 Powder Horn Drive | | | Proj. No. 2201 | | | | | | |
| P.O. Box 4477 | | | | | | | | | |
| Warren, N.J. 07059 | | | | | | | | | |
| Ph 732-564-1818 | | | Prepared By ELR | | | | | | |
| Fax 732-564-9999 | | | Checked By KLK | | | | | | |
| HONEYWELL | | | Kenny L. Kennon P.L.S. | | | 44 2-4-11 | | | |
| JERSEY CITY, N.J. | | | Sevenson Enviromental | | | | | | |
| | | | Sevenson Review | | | N | | | |
| | | | Mactec Review | | | | | | |
| DMP MONITORING | | | Datum NGVD 29 | | | | | | |
| SMP-1 | | | | | | | | | |
| | | | | | | | | | |
| FIELD | BASELINE | | EASURED (feet) | | CHANGE (feet) | | | | |
| DATA | | | | | +/- 0.02 | | | | |
| DATE | NORTH | EAST | NORTH | EAST | NORTH | EAST | xy inverse | | |
| | | | | | | | | | |
| Base 10/27/10 | | | | | | 0.00 | 0.00 | 0.00 | |
| 11/16/10 | 685296.251 | 603937.961 | 685296.240 | 603937.966 | 0.01 | 0.01 | 0.01 | | |
| 11/29/10 | 685296.251 | 603937.961 | 685296.245 | 603937.951 | 0.01 | 0.01 | 0.01 | | |
| 12/06/10 7AM | 685296.251 | 603937.961 | 685296.255 | 603937.955 | 0.00 | 0.01 | 0.01 | | |
| 12/08/10 7AM | 685296.251 | 603937.961 | 685296.244 | 603937.959 | 0.01 | 0.00 | 0.01 | | |
| 12/10/10 7AM | 685296.251 | 603937.961 | 685296.240 | 603937.972 | 0.01 | 0.01 | 0.02 | | |
| 12/13/10 7AM | 685296.251 | 603937.961 | 685296.241 | 603937.959 | 0.01 | 0.00 | 0.01 | | |
| 12/15/10 7AM | 685296.251 | 603937.961 | 685296.270 | 603937.970 | 0.02 | 0.01 | 0.02 | | |
| 12/17/10 7AM | 685296.251 | 603937.961 | 685296.241 | 603937.948 | 0.01 | 0.01 | 0.02 | | |
| 12/20/10 7AM | 685296.251 | 603937.961 | 685296.246 | 603937.961 | 0.00 | 0.00 | 0.00 | | |
| 12/22/10 7AM | 685296.251 | 603937.961 | 685296.241 | 603937.957 | 0.01 | 0.00 | 0.01 | | |
| 1/11/11 11AM | 685296.251 | 603937.961 | 685296.259 | 603937.977 | 0.01 | 0.02 | 0.02 | | |
| 1/17/11 7AM | 685296.251 | 603937.961 | 685296.242 | 603937.970 | 0.01 | 0.01 | 0.01 | | |
| NO DATA | | | | | | | | | |
| 1/26/11 11AM | 685296.251 | 603937.961 | 685296.236 | 603937.962 | 0.01 | 0.00 | 0.01 | | |
| 1/28/11 10AM | 685296.251 | 603937.961 | 685296.25 | 603937.961 | 0.00 | 0.00 | 0.00 | | |
| 1/31/11 9AM | 685296.251 | 603937.961 | 685296.25 | 603937.961 | 0.00 | 0.00 | 0.00 | | |
| 2/2/11 10AM | 685296.251 | 603937.961 | 685296.26 | 603937.964 | 0.01 | 0.00 | 0.01 | | |
| 2/1/11 11AM | 685296.251 | 603937.961 | 685296.24 | 603937.962 | 0.01 | 0.00 | 0.01 | | |
| 2/7/11 11AM | 685296.251 | 603937.961 | 685296.24 | 603937.951 | 0.01 | 0.01 | 0.02 | | |

[illegible]

APPENDIX Q

FINAL RECORDED COMMERCIAL AOC DEED NOTICE

STUDY AREA 5 REMEDIAL ACTION REPORT

FORMER BALDWIN STEEL SITE (NJDEP SITE 090)

FORMER MI HOLDINGS SITE (NJDEP SITE 184)

PORTION OF FORMER MORRIS CANAL SITE (NJDEP SITE 153 NORTHERN SEGMENT)

JERSEY CITY, NEW JERSEY

DEED NOTICE

IN ACCORDANCE WITH N.J.S.A. 58:10B-13, THIS DOCUMENT IS TO BE RECORDED IN THE SAME MANNER AS ARE DEEDS AND OTHER INTERESTS IN REAL PROPERTY.

Prepared by: C CAROL CARAVASSI
[Signature]

C Carol Caravassi

Recorded by:

[Signature, Officer of County Recording Office]

[Print name below signature]



20120504010032560 1/41
05/04/2012 11:48:43 AM DEED
Bk: 8847 Pg: 173
Pamela E. Gardner
Hudson County, Register of Deeds
Receipt No. 671410

DEED NOTICE CONCERNING CONTROLS INSTALLED TO CONTAIN CHROMIUM CONTAMINATION UNDERLYING THE NJCU COMMERCIAL AOC

This Deed Notice is made as of the 3rd day of May, 2012, by *New Jersey City University, whose post office address is 2039 Kennedy Boulevard, Jersey City, New Jersey 07305*, together with his/her/its/their successors and assigns (collectively "Owner").

1. THE PROPERTY. *New Jersey City University is the owner in fee simple of certain real property designated as Block 21902, Lots 14, 13, 2 and 3 (formerly Block 1286, Lots 5 & 6D; and Block 1286.5, Lots 1 & 2, respectively) on the tax map of the City of Jersey City, Hudson County, New Jersey; the New Jersey Department of Environmental Protection Program Interest Numbers (PI#s) for the contaminated site which includes this property are Hudson County Chromate Site No. 090 – PI#031779 [Block 21902, Lots 13 & 14] and Hudson County Chromate Site No 184 – PI#000015 [Block 21902, Lots 2 & 3], and the property is more particularly described in Exhibit A, which is attached hereto and made a part hereof (the "Property"). Part of the Property is known as the NJCU Commercial AOC pursuant to the Consent Decree Regarding Remediation of the New Jersey City University Redevelopment Area ("the Consent Decree") entered by the*

United States District Court for the District of New Jersey on January 21, 2010 in *Riverkeeper v. Honeywell International Inc.*, D.N.J., Civ. No. 06-22 (Consolidated with Civ. No. 05-5955). The Consent Decree includes requirements regarding the transfer and use and of the NJCU Commercial AOC. To the extent that there is any conflict or inconsistency between the terms of this Deed Notice and the terms of the Consent Decree; the Consent Decree shall govern. To the extent that any action to be taken pursuant to this Deed Notice is in conflict with or inconsistent with the Consent Decree, the Consent Decree shall govern.

2. DEPARTMENT'S ASSIGNED BUREAU. The Bureau of Northern Case Management (BNCM) was the New Jersey Department of Environmental Protection program that was responsible for the oversight of the remediation of the Property. The matter was Case No *Hudson County Chromate Site No 090 – PI#031779 and Hudson County Chromate Site No. 184 – PI#000015*.

3. SOIL AND GROUNDWATER CONTAMINATION. *Honeywell International Inc. (Honeywell)*, a corporation in the State of New Jersey whose post office address is 101 Columbia Road, Morristown, New Jersey 07962, has remediated the NJCU Commercial AOC to address chromium-related soil and shallow groundwater contamination. A Remedial Action Work Plan was approved by the New Jersey Department of Environmental Protection on July 26, 2007 for the NJCU Commercial AOC. Remedial actions were further provided under the Consent Decree. Under both the Remedial Action Work Plan and the Consent Decree, soil contamination remains in the NJCU Commercial AOC which contains contaminants in concentrations that do not allow for the unrestricted use of the NJCU Commercial AOC. This soil and groundwater contamination is described, including the type, concentration and specific location of such contaminants, in Exhibit B, which is attached hereto and made a part hereof. As a result, there is a statutory requirement for this Deed Notice and engineering controls in accordance with N.J.S.A. 58:10B-13. Under the terms of the Consent Decree and this Deed Notice, Honeywell is responsible for monitoring and maintaining the soil and shallow groundwater remediation for the NJCU Commercial AOC in perpetuity or until such time as the NJCU Commercial AOC is further remediated to the level that would permit unrestricted use of the NJCU Commercial AOC.

4. CONSIDERATION. In accordance with the New Jersey Department of Environmental Protection's approval of the remedial action work plan for the remediation of the site which included the NJCU Commercial AOC, and in consideration of the terms and conditions of that approval, and other good and valuable considerations, Owner has agreed to subject the NJCU Commercial AOC to certain statutory and regulatory requirements which impose restrictions upon the use of the NJCU Commercial AOC, to restrict certain uses of the NJCU Commercial AOC, and to provide notice to subsequent owners, lessees and operators of the restrictions and the monitoring, maintenance, and biennial certification requirements outlined in this Deed Notice and required by law, as set forth herein.

5A. RESTRICTED AREAS. Due to the presence of these contaminants, the Owner has agreed, as part of the remedial action for the site, to restrict the use of the NJCU Commercial AOC (also known as the "Restricted Area"); a narrative description of these restrictions, along with the associated monitoring and maintenance activities and the biennial certification requirements are provided in Exhibit C, which is attached hereto and made a part hereof. The Owner has also agreed to maintain a list of these restrictions on site for inspection by governmental enforcement officials.

5B, ENGINEERING CONTROLS. Due to the presence and concentration of these contaminants, the Owner has also agreed, as part of the remedial action for the Property, to the placement of certain engineering controls on the NJCU Commercial AOC. A narrative description of these engineering controls, along with the associated monitoring and maintenance activities and the biennial certification requirements are provided in Exhibit C. Honeywell shall be responsible for monitoring and maintenance of engineering controls and biennial certification requirements specified in Paragraphs 7A&B.

6A. ALTERATIONS, IMPROVEMENTS, AND DISTURBANCES.

i. Except as provided in the Consent Decree and in Paragraph 6B, below, no person shall make, or allow to be made, any alteration, improvement, or disturbance in, to, or about the NJCU Commercial AOC which disturbs any engineering control at the NJCU Commercial AOC without first obtaining the express written consent of the Department of Environmental Protection. Nothing herein shall constitute a waiver of the obligation of any person to comply with all applicable laws and regulations including, without limitation, the applicable rules of the Occupational Safety and Health Administration. To request the consent of the Department of Environmental Protection, contact:

Department of Environmental Protection
Division of Remediation Management and Response
Bureau of Operation, Maintenance and Monitoring
Deed Notice Inspection Program
P.O. Box 413
401 E. State Street
Trenton, NJ 08625-0413

ii. Notwithstanding subparagraph 6A.i., above, the Department of Environmental Protection's express written consent is not required for any alteration, improvement, or disturbance provided that the owner, lessee or operator:

(A) Takes such action in conformance with the Consent Decree;

(B) Notifies the Department of Environmental Protection of the activity by calling the DEP Hotline, at 1-877-WARN-DEP or 1-877-927-6337, within

twenty-four (24) hours after the beginning of each alteration, improvement, or disturbance;

(C) Notifies Honeywell of the activity by calling 855-727-2658;

(D) Restores any disturbance of an engineering control to pre-disturbance conditions within sixty (60) calendar days after the initiation of the alteration, improvement or disturbance;

(E) Ensures that all applicable worker health and safety laws and regulations are followed during the alteration, improvement, or disturbance, and during the restoration;

(F) Ensures that exposure to contamination in excess of the applicable remediation standards does not occur; and

(G) Submits a written report, describing the alteration, improvement, or disturbance, to the Department of Environmental Protection within sixty (60) calendar days after the end of each alteration, improvement, or disturbance. The owner, lessee or operator shall include in the report the nature of the alteration, improvement, or disturbance, the dates and duration of the alteration, improvement, or disturbance, the name of key individuals and their affiliations conducting the alteration, improvement, or disturbance, a description of the notice the Owner gave to those persons prior to the disturbance, the amounts of soil generated for disposal, if any, the final disposition and any precautions taken to prevent exposure. The owner, lessee or operator shall submit the report to:

Department of Environmental Protection
Division of Remediation Management and Response
Bureau of Operation, Maintenance and Monitoring
Deed Notice Inspection Program
P.O. Box 413
401 E. State Street
Trenton, NJ 08625-0413

6B. EMERGENCIES. In the event of an emergency which presents, or may present, an unacceptable risk to the public health and safety, or to the environment, any person may temporarily breach any engineering control provided that that person complies with each of the following:

- i. Immediately notifies the Department of Environmental Protection of the emergency, by calling the DEP Hotline at 1-877-WARNDEP or 1-877-927-6337;
- ii. Immediately notifies Honeywell of the emergency by calling 855-727-2658;

- iii. Limits both the actual disturbance and the time needed for the disturbance to the minimum reasonably necessary to adequately respond to the emergency;
- iv. Implements all measures necessary to limit actual or potential, present or future risk of exposure to humans or the environment to the contamination;
- v. Notifies the Department of Environmental Protection when the emergency has ended by calling the DEP Hotline at 1-877-WARNDEP or 1-877-927-6337;
- vi. Notifies Honeywell when the emergency has ended by calling 855-727-2658; and
- vii. Restores the engineering control to the pre-emergency conditions as soon as possible, and provides a written report to the Department of Environmental Protection of such emergency and restoration efforts within sixty (60) calendar days after completion of the restoration of the engineering control. The report must include all information pertinent to the emergency, potential discharges of contaminants, and restoration measures that were implemented, which, at a minimum, should specify: (a) the nature and likely cause of the emergency, (b) the potential discharges of or exposures to contaminants, if any, that may have occurred, (c) the measures that have been taken to mitigate the effects of the emergency on human health and the environment, (d) the measures completed or implemented to restore the engineering control, and (e) the changes to the engineering control or site operation and maintenance plan to prevent recurrence of such conditions in the future. The owner, lessee, or operator shall submit the report to:

Department of Environmental Protection
Division of Remediation Management and Response
Bureau of Operation, Maintenance and Monitoring
Deed Notice Inspection Program
P.O. Box 413
401 E. State Street
Trenton, NJ 08625-0413

7A. MONITORING AND MAINTENANCE OF DEED NOTICE, AND PROTECTIVENESS CERTIFICATION. The persons in any way responsible, pursuant to the Spill Compensation and Control Act, N.J.S.A. 58:10-23.11a et seq., for the hazardous substances that remain at the NJCU Commercial AOC, the persons responsible for conducting the remediation, the Owner, and the subsequent owners, lessees, and operators, shall monitor and maintain this Deed Notice, and certify to the Department on a biennial basis that the remedial action that includes this Deed Notice remains protective of the public health and safety and of the environment. The subsequent owners, lessees and operators have this obligation only during their ownership, tenancy, or operation. The specific obligations to monitor and maintain the Deed Notice shall include all of the following:

- i. Monitoring and maintaining this Deed Notice according to the requirements in Exhibit C, to ensure that the remedial action that includes the Deed Notice continues to be protective of the public health and safety and of the environment;
- ii. Conducting any additional remedial investigations and implement any additional remedial actions, that are necessary to correct, mitigate, or abate each problem related to the protectiveness of the remedial action for the NJCU Commercial AOC prior to the date that the Certification is due to the Department pursuant to iii, below, in order to ensure that the remedial action that includes this Deed Notice remains protective of the public health and safety and of the environment;
- iii. Certify to the Department of Environmental Protection as to the continued protectiveness of the remedial action that includes this Deed Notice, on a form provided by the Department and consistent with N.J.A.C. 7:26C-1.5, every two years on the anniversary of the date stamped on the Deed Notice that indicates when the Deed Notice was recorded.

7B. MONITORING AND MAINTENANCE OF ENGINEERING CONTROLS, AND PROTECTIVENESS CERTIFICATION. The persons in any way responsible, pursuant to the Spill Compensation and Control Act, N.J.S.A. 58:10-23.11a et seq., for the hazardous substances that remain at the NJCU Commercial AOC, the person responsible for conducting the remediation; and, the Owner, and the subsequent owners, lessees, and operators, shall maintain all engineering controls at the NJCU Commercial AOC and certify to the Department on a biennial basis that the remedial action of which each engineering control is a part remains protective of the public health and safety and of the environment. The subsequent owners, lessees and operators have this obligation only during their ownership, tenancy, or operation. The specific obligations to monitor and maintain the engineering controls shall include the following:

- i. Monitoring and maintaining each engineering control according to the requirements in Exhibit C, to ensure that the remedial action that includes the engineering control continues to be protective of the public health and safety and of the environment;
- ii. Conducting any additional remedial investigations and implement any additional remedial actions, that are necessary to correct, mitigate, or abate each problem related to the protectiveness of the remedial action for the NJCU Commercial AOC prior to the date that the certification is due to the Department pursuant to iii, below, in order to ensure that the remedial action that includes the engineering control remains protective of the public health and safety and of the environment;
- iii. Certify to the Department of Environmental Protection as to the continued protectiveness of the remedial action that includes the engineering control, on a form provided by the Department and consistent with N.J.A.C. 7:26C-1.5, every

two years on the anniversary of the date stamped on the Deed Notice that indicates when the Deed Notice was recorded.

8. ACCESS. The Owner and the subsequent owners, lessees and operators agree to allow the Department, its agents and representatives access to the NJCU Commercial AOC to inspect and evaluate the continued protectiveness of the remedial action that includes this Deed Notice and to conduct additional remediation to ensure the protection of the public health and safety and of the environment if persons responsible for monitoring the protectiveness of the remedial action, as described in Paragraph 7, above, fail to conduct such remediation pursuant to this Deed Notice as required by law. The Owner, and the subsequent owners and lessees, shall also cause all leases, subleases, grants, and other written transfers of an interest in the NJCU Commercial AOC to contain a provision expressly requiring that all holders thereof provide such access to the Department.

9. NOTICES.

i. The Owner and the subsequent owners and lessees, shall cause all leases, grants, and other written transfers of an interest in the NJCU Commercial AOC to contain a provision expressly requiring all holders thereof to take the NJCU Commercial AOC subject to the restrictions contained herein and to comply with all, and not to violate any of the conditions of this Deed Notice. Nothing contained in this Paragraph shall be construed as limiting any obligation of any person to provide any notice required by any law, regulation, or order of any governmental authority.

ii. Owner and all subsequent owners and lessees shall notify any person intending to conduct invasive work or excavate within the NJCU Commercial AOC, including, without limitation, tenants, employees of tenants, and contractors of the nature and location of contamination in the NJCU Commercial AOC, and, of the precautions necessary to minimize potential human exposure to contaminants.

iii. The Owner and the subsequent owners shall provide written notice to the Department of Environmental Protection at least thirty (30) calendar days before the effective date of any conveyance, grant, gift, or other transfer, in whole or in part, of the owner's interest in the NJCU Commercial AOC. Any such transfer must also be consistent with the terms of the Consent Decree.

iv. The Owner and the subsequent owners shall provide written notice to the Department within thirty (30) calendar days following the owner's petition for or filing of any document initiating a rezoning of the NJCU Commercial AOC. The Owner and the subsequent owners shall submit the written notice to:

Department of Environmental Protection
Division of Remediation Management and Response
Bureau of Operation, Maintenance and Monitoring
Deed Notice Inspection, Program

P.O. Box 413
401 E. State Street
Trenton, NJ 08625-0413.

10. ENFORCEMENT OF VIOLATIONS.

i. This Deed Notice itself is not intended to create any interest in real estate in favor of the Department of Environmental Protection, nor to create a lien against the Property, but merely is intended to provide notice of certain conditions and restrictions on the NJCU Commercial AOC and to reflect the regulatory and statutory obligations imposed as a conditional remedial action for this NJCU Commercial AOC.

ii. The restrictions provided herein may be enforceable by the Department against any person who violates this Deed Notice. To enforce violations of this Deed Notice, the Department may initiate one or more enforcement actions pursuant to N.J.S.A. 58:10-23.11u and require additional remediation and assess damages pursuant to N.J.S.A. 58:10-23.11g.

11. SEVERABILITY. If any court of competent jurisdiction determines that any provision of this Deed Notice requires modification, such provision shall be deemed to have been modified automatically to conform to such requirements. If a court of competent jurisdiction determines that any provision of this Deed Notice is invalid or unenforceable and the provision is of such a nature that it cannot be modified, the provision shall be deemed deleted from this instrument as if the provision had never been included herein. In either case, the remaining provisions of this Deed Notice shall remain in full force and effect.

12. SUCCESSORS AND ASSIGNS. This Deed Notice shall be binding upon Owner and upon Owner's successors and assigns, and subsequent owners, lessees and operators while each is an owner, lessee, or operator of the NJCU Commercial AOC.

13. MODIFICATION AND TERMINATION.

i. Any person may request in writing, at any time, that the Department modify this Deed Notice where performance of subsequent remedial actions, a change of conditions at the NJCU Commercial AOC, or the adoption of revised remediation standards suggest that modification of the Deed Notice would be appropriate.

ii. Any person may request in writing, at any time, that the Department terminate this Deed Notice because the conditions which triggered the need for this Deed Notice are no longer applicable.

iii. Any person seeking a modification or termination of this Deed Notice must also have such modification or termination approved by the United States District Court for the District of New Jersey pursuant to the Consent Decree until

such time as the Consent Decree terminates with regard to the NJCU Commercial AOC pursuant to paragraph 147 of the Consent Decree.

iv. This Deed Notice may be revised or terminated only upon filing of an instrument, executed by the Department, in the office of the Hudson County Clerk, New Jersey, expressly modifying or terminating this Deed Notice.

14A. EXHIBIT A. Exhibit A includes the following maps of the Property and the vicinity:

i. Exhibit A-1: Vicinity Map - A map that identifies by name the roads, and other important geographical features in the vicinity of the NJCU Commercial AOC;

ii. Exhibit A-2: Metes and Bounds Description of NJCU Commercial AOC - A metes and bounds description of the NJCU Commercial AOC, including reference to tax lot and block numbers for the NJCU Commercial AOC and a Tax Map;

iii. Exhibit A-3: NJCU Commercial AOC Map - A scaled map of the NJCU Commercial AOC, scaled at one inch to 200 feet or less, which includes diagrams of major surface topographical features such as buildings, roads, and parking lots.

14B. EXHIBIT B. Exhibit B includes the following descriptions of the Restricted Areas:

i. Exhibit B-1: Restricted Area Map - A map for the NJCU Commercial AOC that includes, as applicable:

(A) As-built diagrams of each engineering control, including caps, fences, slurry walls, ground water monitoring wells, and ground water pumping system;

(B) As-built diagrams of any buildings, roads, parking lots and other structures that function as engineering controls; and

(C) Designation of all soil and/or sediment sample locations within the restricted areas that exceed any soil or sediment standard that are keyed into one of the tables described in the following paragraph.

ii. Exhibit B-2: Restricted Area Data Table - A table for NJCU Commercial AOC that includes:

(A) Sample location designation from Restricted Area map (Exhibit B-1);

(B) Sample elevation based upon mean sea level;

(C) Name and chemical abstract service registry number of each contaminant with a concentration that exceeds the unrestricted use standard;

(D) The restricted and unrestricted use standards for each contaminant in the table; and

(E) The remaining concentration of each contaminant at each sample location at each elevation (or if historic fill, include data from the Department's default concentrations at N.J.A.C. 7:26E-4.6, Table 4-2).

14C. EXHIBIT C. Exhibit C includes narrative descriptions of the institutional controls and engineering controls as follows:

i. Exhibit C-1: Deed Notice as Institutional Controls: Exhibit C-1 includes a narrative description of the restriction and obligations of this Deed Notice that are in addition to those described above, as follows:

(A) General Description of the Deed Notice:

(1) Description and estimated size of the NJCU Commercial AOC as described above;

(2) Description of the restrictions on the NJCU Commercial AOC by operation of this Deed Notice; and

(3) The objective of the restrictions.

(B) Description of the monitoring necessary to determine whether:

(1) Any disturbances of the soil in the Restricted Areas did not result in the unacceptable exposure to the soil contamination;

(2) There have been any land use changes subsequent to the filing of this Deed Notice or the most recent biennial certification, whichever is more recent;

(3) The current land use on the NJCU Commercial AOC is consistent with the restrictions in this Deed Notice;

(4) Any newly promulgated or modified requirements of applicable regulations or laws apply to the NJCU Commercial AOC; and

(5) Any new standards, regulations, or laws apply to the NJCU Commercial AOC that might necessitate additional sampling in order to evaluate the protectiveness of the remedial action which includes this Deed Notice, and conduct the necessary sampling.

(C) Description of the following items that will be included in the biennial certification:

(1) A monitoring report that describes the specific activities, pursuant to (A) and (B), above, conducted in support of the biennial certification of the protectiveness of the remedial action that includes this Deed Notice;

(2) Land use at the NJCU Commercial AOC is consistent with the restrictions in this Deed Notice; and

(3) The remedial action that includes this Deed Notice and the Consent Decree continues to be protective of the public health and safety and of the environment.

ii. Exhibit C-2 A through C. Exhibit C-2-A: Engineering Controls: *Clean Fill and Soil Capping System*; Exhibit C-2-B: Engineering Controls: *Underground Containment Walls*; Exhibit C-2-C: Engineering Controls: *Shallow Groundwater Collection and Treatment System*.

Exhibit C-2 (series A-C) includes a narrative description of the engineering controls as follows:

(A) General Description of the engineering controls:

(1) Description of the engineering controls;

(2) The objective of the engineering controls; and

(3) How the engineering controls are intended to function.

(B) Description of the operation and maintenance necessary to ensure that:

(1) Periodic inspections of each engineering control are performed in order to determine its integrity, operability, and effectiveness;

(2) Each engineering control continues as designed and intended to protect the public health and safety and the environment;

(3) Each alteration, excavation or disturbance of any engineering control is timely and appropriately addressed to maintain the integrity of the engineering control;

(4) The engineering controls are being inspected and maintained and its integrity remains so that the remedial action continues to be protective of the public health and safety and of the environment;

(5) A record of the self-inspection dates, name of the inspector, results of the inspection and condition(s) of the engineering controls. Sampling, for example, may be necessary if it is not possible to visually evaluate the integrity/performance of the engineering controls; and

(6) Any new standards, regulations, or laws apply to the NJCU Commercial AOC that might necessitate additional sampling in order to evaluate the protectiveness of the remedial action which includes this Deed Notice, and conduct the necessary sampling; and

(C) Description of the following items that will be included in the biennial certification:

(1) A monitoring report that describes the specific activities, pursuant to (A) and (B), above, conducted in support of the biennial certification of the protectiveness of the remedial action that includes this Deed Node& and the Consent Decree;

(2) The engineering control continues to operate as designed; and

(3) The remedial action that includes the engineering control continues to be protective of the public health and safety and of the environment.

EXHIBIT A

A-1 Vicinity Map

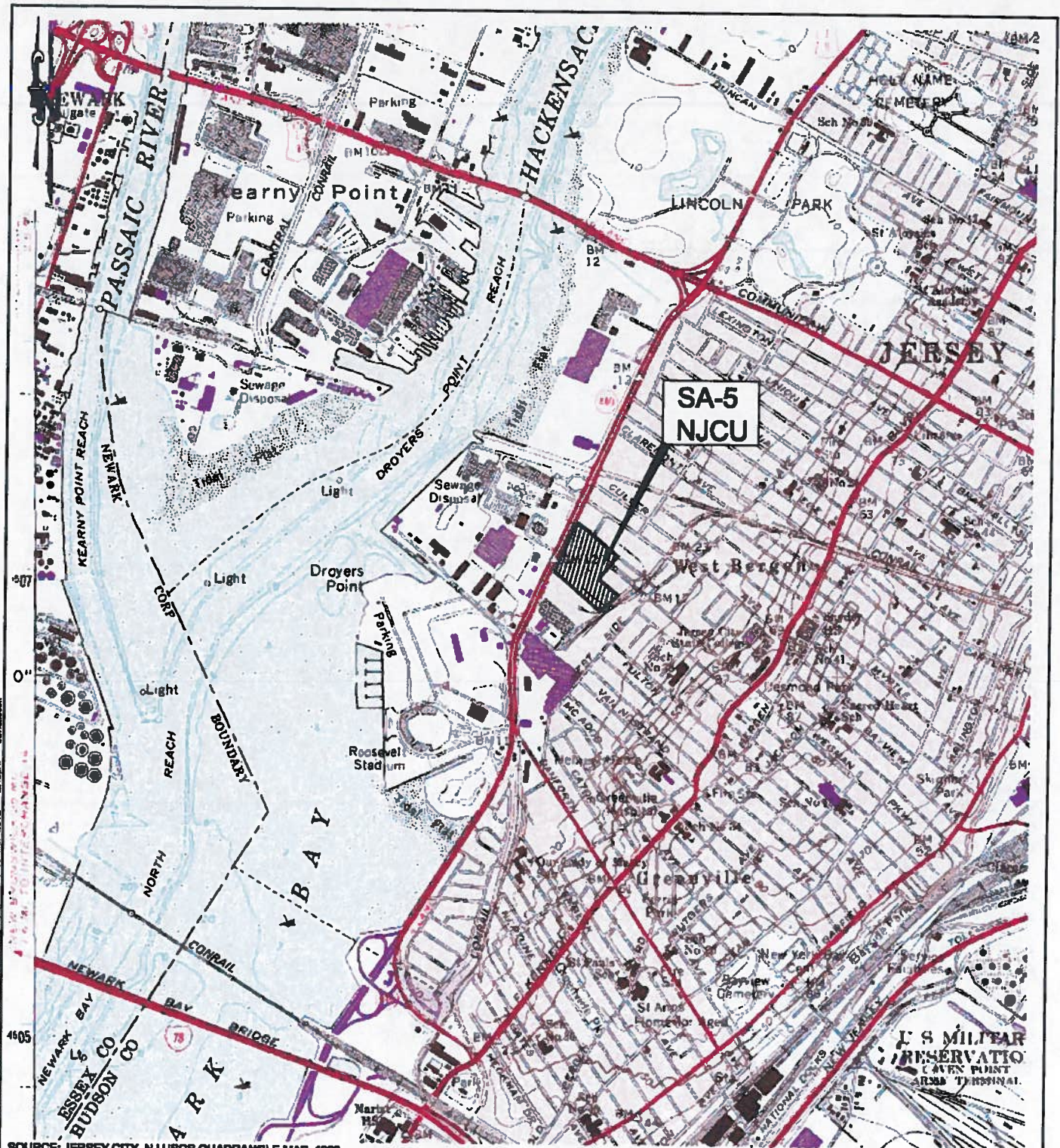
A-2 Metes and Bounds Description of NJCU Commercial AOC

A-3 NJCU Commercial AOC Map

***Block 21902, Lots 14, 13 and 2
(formerly Block 1286, Lots 5 and 6D; Block 1286.5, Lot 1)
City of Jersey City, New Jersey***

Exhibit Figure A-1 Vicinity Map consists of a road map for the vicinity of the NJCU Commercial AOC. Exhibit Figure A-2 consists of a tax map for the Property. Exhibit Figure A-3 NJCU Commercial AOC Map consists of a figure indicating major surface features and engineering controls for the NJCU Commercial AOC.

**Exhibit Figure A-1
Site Vicinity Map**



SOURCE: JERSEY CITY, NJ USGS QUADRANGLE MAP, 1983

0 2000 4000
SCALE IN FEET

| | | | |
|---|---------------------------------------|---|--|
| <p>AMEC PROJ No.: 3480100023 DRAWING: 3480100023-SLM-00</p> | | <p>amec ENVIRONMENT & INFRASTRUCTURE 800 AMERICAN METRO BLVD, SUITE 110 HAMILTON, NEW JERSEY 08610</p> | <p>EXHIBIT A-1 SITE LOCATION MAP DEED NOTICE SA-5 NJCU COMMERCIAL AOC JERSEY CITY, NEW JERSEY</p> |
| <p>PREPARED/DATE: DL 3/7/2012</p> | <p>CHECKED/DATE: CMR 3/9/2012</p> | | |

P:\CADD\HONOLULU\JERSEY CITY\SA 5\SITE 80 & 104\MEC\NJC\DEED NOTICE\3480100023-SLM-00.dwg Plt: 09 Mar 2012 - 2:45pm cadd\mech

A-2 Metes and Bounds Description of NJCU Commercial AOC
Block 21902, Lots 14, 13 and 2
(formerly Block 1286, Lots 5 and 6D; Block 1286.5, Lot 1)
City of Jersey City, New Jersey

The NJCU Commercial AOC is identified as a portion of Block 21902, Lots 2, 13 and 14, the property being presently owned by New Jersey City University. A copy of the current tax map showing the Property is included as Exhibit Figure A-2.

Metes and Bounds Description of NJCU Commercial AOC:

All that certain lot, tract or parcel of land situate, lying and being in the City of Jersey City, in the County of Hudson and the State of New Jersey, and being a portion of Lots 2 and 5 in Block 1286, and a portion of Lot 1 in Block 1286.5, as shown on a map entitled "New Jersey City University, West Campus City of Jersey City, Hudson County, NJ" Boundary and Topographic Survey of Block 1286.5 Lots 1, 2 & 4A, Block 1286 Lots 5, 5B, 5C, 6D, Block 1287B Lot 7, Block 1287-2 Lot 5E, Block Unknown Lot 8 and Unknown Block and Lot", prepared by Langan Engineering & Environmental Services, Inc., dated February 21, 2007, and being more particularly bounded and described as follows, to wit:

BEGINNING at the intersection of the Easterly line of Block 21902 Lot 1, (formerly Block 1289.5 Lot E), with the division line between Block 26101 Lot 1 (formerly Block 1285.05 Lot 1), and Block 21902 Lot 13 (formerly Block 1286 Lot 2) and running; thence –

Along the easterly line of Block 21902 Lot 1, the following three (3) courses:

1. N 24° 45' 41" E, 52.05 feet, thence –
2. N 49° 07' 19" W, 5.39 feet, thence –
3. N 24° 48' 01" E, 466.43 feet, to the intersection of the same with the outside northerly edge of a sheet piling wall, as shown on a map entitled "As-Built Survey "Sub-Grade" Block 1286.5, Lot 1 & Block 1286, Lot 5, Jersey City, New Jersey, Honeywell Site ID 37288, 37811 & 37460", prepared by KSS Kennon Surveying Services Inc., dated January 13, 2012, thence –
4. S 49° 17' 03" E, 442.68 feet, running through the aforementioned Block 21902 Lot 2, along the said outside northerly edge and beyond, to the projected intersection of same with the northward projection of the easterly outside edge of another sheet pile wall as shown on the aforesaid As-Built Survey, thence –
5. S 40° 45' 18" W, 499.44 feet, running through said Lots 2, 14 and 13 in Block 21902, along said projection of the easterly outside sheet pile wall edge and beyond, along the outside easterly edge of said sheet pile wall, to the division line between Block 26101 Lot 1 (formerly Block 1285.05 Lot 1) and Block 21902 Lot 13 (formerly Block 1286 Lot 2), thence –
6. N 49° 07' 19" W, 294.74 feet along the aforesaid division line, to the Point and Place of BEGINNING.

CONTAINING: 185,047 square feet or 4.248 acres of land more or less.

Exhibit Figure A-2
Tax Map

Exhibit Figure A-3
NJCU Commercial AOC Property Map



EXHIBIT B

B-1A&B Restricted Area Maps

B-2 Restricted Area Data Table

Block 21902, Lots 14, 13 and 2

(formerly Block 1286, Lots 5 and 6D; Block 1286.5, Lot1)

City of Jersey City, New Jersey

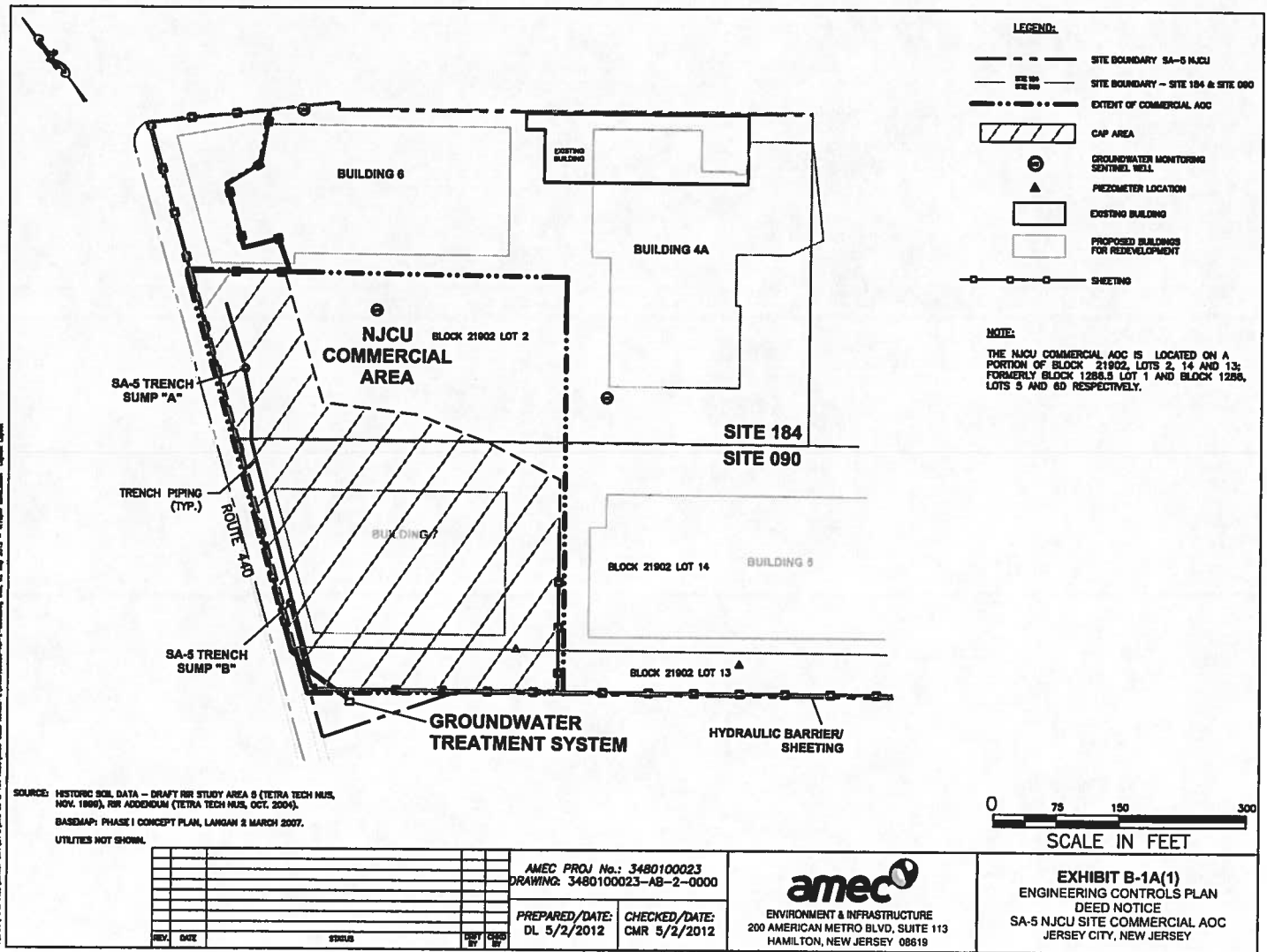
Exhibit B-1 Restricted Area Maps includes Exhibit Figure B-1A (Engineering Controls) and Exhibit Figure B-1B (Soil Sample Locations), Exhibit B-2 Restricted Area Data Table indicates soil samples locations with concentrations remaining above the NJDEP Soil Cleanup Criteria.

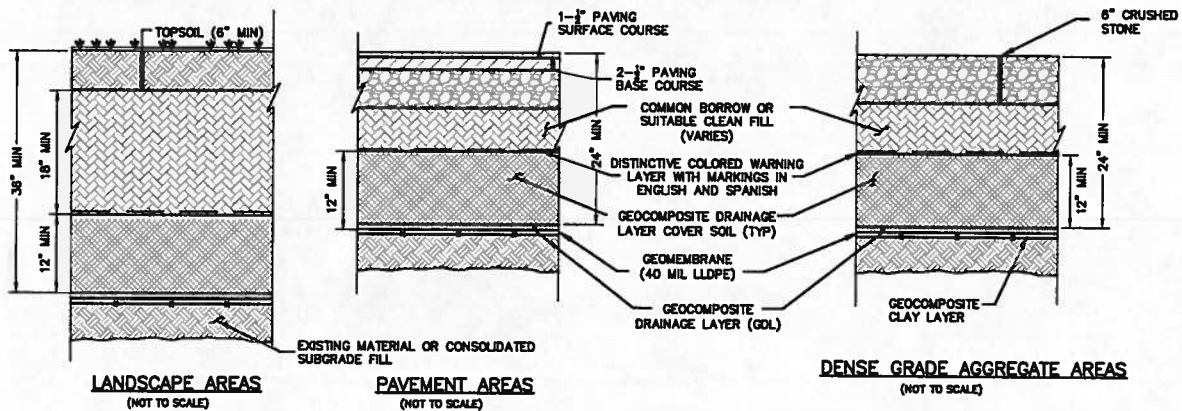
Restricted Area Map Notes:

Figure B-1A indicates the engineering controls (cap). For soils with hexavalent chromium concentrations above 20 mg/kg, the engineering controls include a capping system consisting of impervious geo-membrane liner; geo-composite drainage layer; and clean soil cover with minimum 12 inches thickness in areas where buildings or pavement are proposed; and 36-inches thickness in areas where the planting of trees and bushes is proposed and a minimum 24-inches thickness in areas where other vegetation is proposed. Engineering controls also include clean fill placed in excavated areas. Figure B-1A also indicates engineering controls for shallow groundwater. The engineering controls include underground barrier walls and a system of wells, pumps and piping for the collection and treatment of shallow groundwater, if necessary, from the NJCU Commercial AOC. Shallow groundwater monitoring requirements are set forth in the Long Term Monitoring Plan.

Figure B-1B indicates soil sample locations with concentrations above the NJDEP Soil Cleanup Criteria. This soil contaminant of concern is hexavalent chromium above the NJDEP soil cleanup criteria of 20 mg/kg. Figure B-1B also indicates shallow groundwater sampling locations with concentrations above the NJDEP groundwater quality standard. The groundwater contaminant of concern is total chromium above the NJDEP criteria of 70µg/l.

Exhibit Figure B-1A
Exhibit B-1A(1): Engineering Controls Plan
Exhibit B-1A(2): Engineering Controls Cap Cross Sections





SOURCE:

HISTORIC SOIL DATA -- DRAFT FOR STUDY AREA 5 (TETRA TECH MUS, NOV. 1999), FOR ADDENDUM (TETRA TECH MUS, OCT. 2004).

BASEMAP DETAILS: PHASE I CONCEPT PLAN, LAGAN 2 MARCH 2007.

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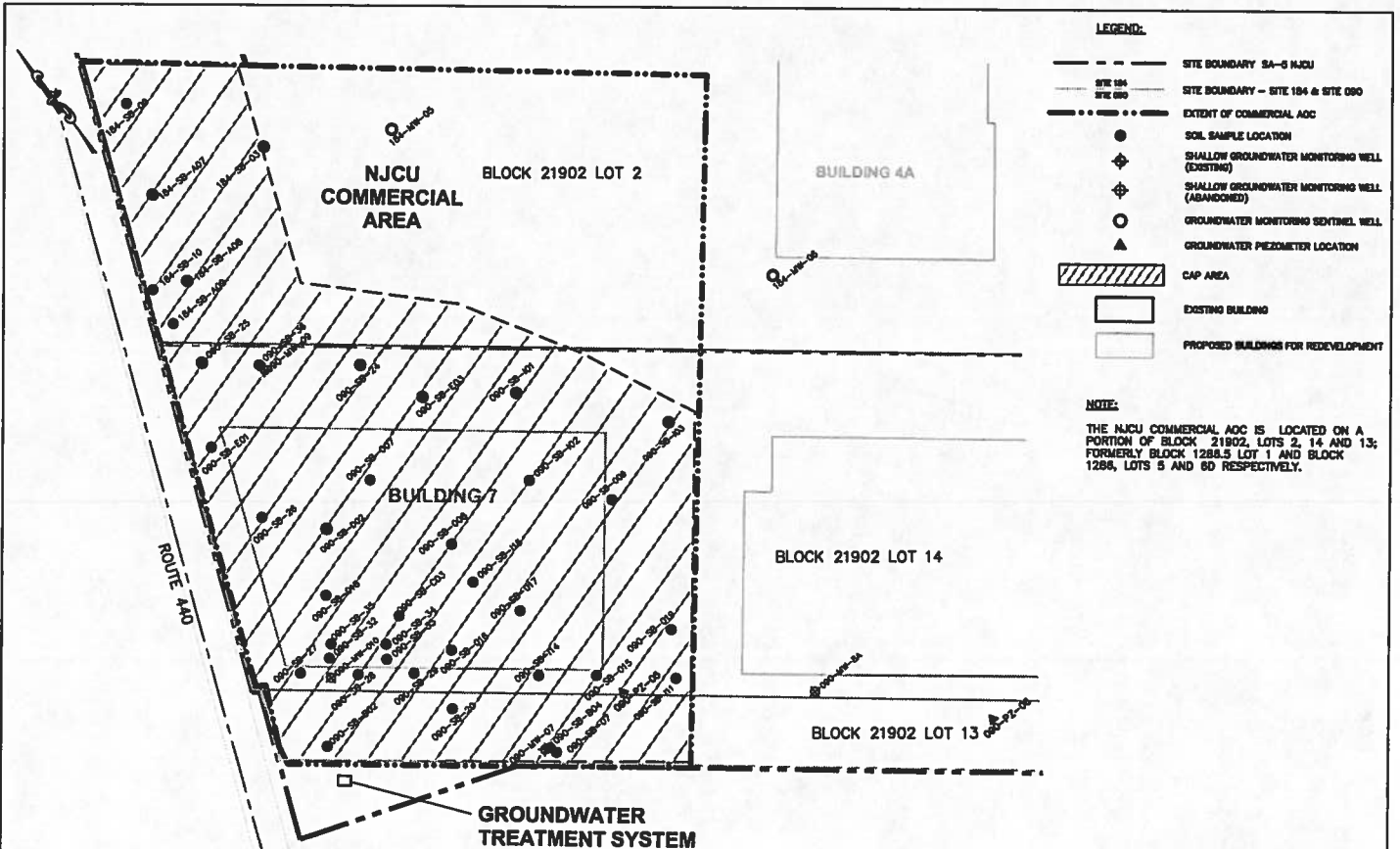
PREPARED/DATE: DL 5/2/2012
CHECKED/DATE: CMR 5/2/2012



ENVIRONMENT & INFRASTRUCTURE
200 AMERICAN METRO BLVD, SUITE 113
HAMILTON, NEW JERSEY 08619

EXHIBIT B-1A(2)
ENGINEERING CONTROLS
CAP CROSS SECTIONS
DEED NOTICE
SA-5 NJCU SITE COMMERCIAL AOC
JERSEY CITY, NEW JERSEY

Exhibit Figure B-1B
Soil Sample Results - Hexavalent Chromium



SOURCE: HISTORIC SOIL DATA - DRAFT FOR STUDY AREA 5 (TETRA TECH MUS, NOV. 1998), FOR ADDENDUM (TETRA TECH MUS, OCT. 2004).
BASEMAP: PHASE I CONCEPT PLAN, LAMSON 2 MARCH 2007.
UTILITIES NOT SHOWN.

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amec
ENVIRONMENT & INFRASTRUCTURE
200 AMERICAN METRO BLVD, SUITE 113
HAMILTON, NEW JERSEY 08619

EXHIBIT B-1B
SOIL SAMPLE LOCATIONS-HEXAVALENT CHROMIUM
DEED NOTICE
SA-5 NJCU COMMERCIAL AOC
JERSEY CITY, NEW JERSEY

Exhibit B-2: Table B-2

EXHIBIT B-2
RESTRICTED AREA DATA TABLE
STUDY AREA 5 - NJCU PROPERTY COMMERCIAL AOC
JERSEY CITY, NEW JERSEY

| Location ID | Field Sample ID ⁽¹⁾ | Sample Elevation (feet above mean sea level) | Parameter Name | Date Sampled | Chemical Abstract Service Registry Number | Concentration (mg/kg) | NJDEP Unrestricted Use Standard (mg/kg) ⁽²⁾ |
|-------------|--------------------------------|--|---------------------|--------------|---|-----------------------|--|
| 090-SB-07 | 090-SB-07-0507 | 8.7 | HEXAVALENT CHROMIUM | 03/10/03 | 18540-29-9 | 83.7 | 20 |
| 090-SB-07 | 090-SB-07-0709 | 6.7 | HEXAVALENT CHROMIUM | 03/10/03 | 18540-29-9 | 117 | 20 |
| 090-SB-07 | 090-SB-07-0911 | 4.7 | HEXAVALENT CHROMIUM | 03/10/03 | 18540-29-9 | 130 | 20 |
| 090-SB-07 | 090-SB-07-1113 | 2.7 | HEXAVALENT CHROMIUM | 03/10/03 | 18540-29-9 | 198 | 20 |
| 090-SB-07 | 090-SB-07-1315 | 0.7 | HEXAVALENT CHROMIUM | 03/10/03 | 18540-29-9 | 249 | 20 |
| 090-SB-07 | 090-SB-07-1517 | -1.3 | HEXAVALENT CHROMIUM | 03/10/03 | 18540-29-9 | 159 | 20 |
| 090-SB-07 | 090-SB-07-1719 | -3.3 | HEXAVALENT CHROMIUM | 03/10/03 | 18540-29-9 | 37.7 | 20 |
| 090-SB-07 | 090-SB-07-1921 | -5.3 | HEXAVALENT CHROMIUM | 03/10/03 | 18540-29-9 | 29.4 | 20 |
| 090-SB-07 | 090-SB-07-2123 | -7.3 | HEXAVALENT CHROMIUM | 03/10/03 | 18540-29-9 | 110 | 20 |
| 090-SB-07 | 090-SB-07-2325 | -9.3 | HEXAVALENT CHROMIUM | 03/10/03 | 18540-29-9 | 37.7 | 20 |
| 090-SB-07 | 090-SB-07-2527 | -11.3 | HEXAVALENT CHROMIUM | 03/10/03 | 18540-29-9 | 40 | 20 |
| 090-SB-07 | 090-SB-07-2729 | -13.3 | HEXAVALENT CHROMIUM | 03/17/03 | 18540-29-9 | 64.8 | 20 |
| 090-SB-07 | 090-SB-07-3133 | -17.3 | HEXAVALENT CHROMIUM | 03/17/03 | 18540-29-9 | 37.8 | 20 |
| 090-SB-07 | 090-SB-07-3537 | -21.3 | HEXAVALENT CHROMIUM | 03/17/03 | 18540-29-9 | 35.4 | 20 |
| 090-SB-07 | 090-SB-07-3941 | -25.3 | HEXAVALENT CHROMIUM | 03/17/03 | 18540-29-9 | 98.9 | 20 |
| 090-SB-07 | 090-SB-07-4749 | -33.3 | HEXAVALENT CHROMIUM | 03/17/03 | 18540-29-9 | 1030 | 20 |
| 090-SB-07 | 090-SB-07-5557 | -41.3 | HEXAVALENT CHROMIUM | 03/18/03 | 18540-29-9 | 1640 | 20 |
| 090-SB-07 | 090-SB-07-5557-D | -41.3 | HEXAVALENT CHROMIUM | 03/18/03 | 18540-29-9 | 1770 | 20 |
| 090-SB-07 | 090-SB-07-6163 | -47.3 | HEXAVALENT CHROMIUM | 03/18/03 | 18540-29-9 | 288 | 20 |
| 090-SB-20 | 090-SB-20-0406 | 7.9 | HEXAVALENT CHROMIUM | 07/29/03 | 18540-29-9 | 87.4 | 20 |
| 090-SB-20 | 090-SB-20-0608 | 5.9 | HEXAVALENT CHROMIUM | 07/29/03 | 18540-29-9 | 6190 | 20 |
| 090-SB-20 | 090-SB-20-0810 | 3.9 | HEXAVALENT CHROMIUM | 07/29/03 | 18540-29-9 | 6140 | 20 |
| 090-SB-20 | 090-SB-20-1012 | 1.9 | HEXAVALENT CHROMIUM | 07/29/03 | 18540-29-9 | 869 | 20 |
| 090-SB-20 | 090-SB-20-1214 | -0.1 | HEXAVALENT CHROMIUM | 07/29/03 | 18540-29-9 | 138 | 20 |
| 090-SB-20 | 090-SB-20-1416 | -2.1 | HEXAVALENT CHROMIUM | 07/29/03 | 18540-29-9 | 123 | 20 |
| 090-SB-24 | 090-SB-24-0002 | 14.1 | HEXAVALENT CHROMIUM | 07/28/03 | 18540-29-9 | 73.8 | 20 |
| 090-SB-24 | 090-SB-24-0204 | 12.1 | HEXAVALENT CHROMIUM | 07/28/03 | 18540-29-9 | 27.9 | 20 |
| 090-SB-24 | 090-SB-24-1416 | 0.1 | HEXAVALENT CHROMIUM | 07/28/03 | 18540-29-9 | 21.4 | 20 |
| 090-SB-25 | 090-SB-25-0204 | 10.9 | HEXAVALENT CHROMIUM | 10/09/03 | 18540-29-9 | 29.1 | 20 |
| 090-SB-25 | 090-SB-25-0608 | 6.9 | HEXAVALENT CHROMIUM | 10/09/03 | 18540-29-9 | 6020 | 20 |
| 090-SB-25 | 090-SB-25-0608-D | 6.9 | HEXAVALENT CHROMIUM | 10/09/03 | 18540-29-9 | 3180 | 20 |
| 090-SB-25 | 090-SB-25-0810 | 4.9 | HEXAVALENT CHROMIUM | 10/09/03 | 18540-29-9 | 8900 | 20 |
| 090-SB-25 | 090-SB-25-1012 | 2.9 | HEXAVALENT CHROMIUM | 10/09/03 | 18540-29-9 | 1850 | 20 |
| 090-SB-26 | 090-SB-26-0810 | 3.8 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 41.9 | 20 |
| 090-SB-26 | 090-SB-26-1012 | 1.8 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 2000 | 20 |
| 090-SB-26 | 090-SB-26-1416 | -2.2 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 24.6 | 20 |
| 090-SB-27 | 090-SB-27-0204 | 11.5 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 291 | 20 |
| 090-SB-27 | 090-SB-27-0406 | 9.5 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 204 | 20 |
| 090-SB-27 | 090-SB-27-0608 | 7.5 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 7480 | 20 |
| 090-SB-27 | 090-SB-27-0810 | 5.5 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 7890 | 20 |
| 090-SB-27 | 090-SB-27-1012 | 3.5 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 4970 | 20 |
| 090-SB-27 | 090-SB-27-1214 | 1.5 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 3550 | 20 |
| 090-SB-27 | 090-SB-27-1214-D | 1.5 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 4120 | 20 |
| 090-SB-27 | 090-SB-27-1618 | -2.5 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 220 | 20 |
| 090-SB-27 | 090-SB-27-1820 | -4.5 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 80.8 | 20 |
| 090-SB-28 | 090-SB-28-0002 | 14 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 151 | 20 |
| 090-SB-28 | 090-SB-28-0406 | 10 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 40.6 | 20 |
| 090-SB-28 | 090-SB-28-0608 | 8 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 28.8 | 20 |
| 090-SB-28 | 090-SB-28-0810 | 6 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 1340 | 20 |
| 090-SB-28 | 090-SB-28-1012 | 4 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 6060 | 20 |
| 090-SB-28 | 090-SB-28-1416 | 0 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 212 | 20 |
| 090-SB-28 | 090-SB-28-1618 | -2 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 36.7 | 20 |
| 090-SB-28 | 090-SB-28-1820 | -4 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 61 | 20 |
| 090-SB-28 | 090-SB-28-1820-D | -4 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 63.7 | 20 |
| 090-SB-29 | 090-SB-29-0002 | 13.8 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 265 | 20 |

Prepared by:CR
Checked by:NK
Date: 3/12/12

EXHIBIT B-2
RESTRICTED AREA DATA TABLE
STUDY AREA 5 - NJCU PROPERTY COMMERCIAL AOC
JERSEY CITY, NEW JERSEY

| Location ID | Field Sample ID ⁽¹⁾ | Sample Elevation (feet above mean sea level) | Parameter Name | Date Sampled | Chemical Abstract Service Registry Number | Concentration (mg/kg) | NJDEP Unrestricted Use Standard (mg/kg) ⁽²⁾ |
|-------------|--------------------------------|--|---------------------|--------------|---|-----------------------|--|
| 090-SB-29 | 090-SB-29-0204 | 11.8 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 24.5 | 20 |
| 090-SB-29 | 090-SB-29-0406 | 9.8 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 30.6 | 20 |
| 090-SB-29 | 090-SB-29-0810 | 5.8 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 873 | 20 |
| 090-SB-29 | 090-SB-29-1012 | 3.8 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 435 | 20 |
| 090-SB-29 | 090-SB-29-1214 | 1.8 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 22.2 | 20 |
| 090-SB-29 | 090-SB-29-1416 | -0.2 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 44.1 | 20 |
| 090-SB-29 | 090-SB-29-1820 | -4.2 | HEXAVALENT CHROMIUM | 10/08/03 | 18540-29-9 | 35 | 20 |
| 090-SB-32 | 090-SB-32-0002 | 13.9 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 115 | 20 |
| 090-SB-32 | 090-SB-32-0204 | 11.9 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 159 | 20 |
| 090-SB-32 | 090-SB-32-0406 | 9.9 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 162 | 20 |
| 090-SB-32 | 090-SB-32-0608 | 7.9 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 88.7 | 20 |
| 090-SB-32 | 090-SB-32-0810 | 5.9 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 68.2 | 20 |
| 090-SB-32 | 090-SB-32-1012 | 3.9 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 2370 | 20 |
| 090-SB-32 | 090-SB-32-1214 | 1.9 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 560 | 20 |
| 090-SB-32 | 090-SB-32-1618 | -2.1 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 34.9 | 20 |
| 090-SB-32 | 090-SB-32-1820 | -4.1 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 79.9 | 20 |
| 090-SB-33 | 090-SB-33-0002 | 13.8 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 115 | 20 |
| 090-SB-33 | 090-SB-33-0204 | 11.8 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 20.3 | 20 |
| 090-SB-33 | 090-SB-33-0204-D | 11.8 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 20.2 | 20 |
| 090-SB-33 | 090-SB-33-0608 | 7.8 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 24.6 | 20 |
| 090-SB-33 | 090-SB-33-1012 | 3.8 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 4190 | 20 |
| 090-SB-33 | 090-SB-33-1214 | 1.8 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 1220 | 20 |
| 090-SB-33 | 090-SB-33-1820 | -4.2 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 40.7 | 20 |
| 090-SB-34 | 090-SB-34-0002 | 13.6 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 131 | 20 |
| 090-SB-34 | 090-SB-34-0608 | 7.6 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 23.1 | 20 |
| 090-SB-34 | 090-SB-34-0810 | 5.6 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 1490 | 20 |
| 090-SB-34 | 090-SB-34-1012 | 3.6 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 26.5 | 20 |
| 090-SB-34 | 090-SB-34-1214 | 1.6 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 326 | 20 |
| 090-SB-34 | 090-SB-34-1416 | -0.4 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 123 | 20 |
| 090-SB-34 | 090-SB-34-1618 | -2.4 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 93.9 | 20 |
| 090-SB-35 | 090-SB-35-0002 | 13.8 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 379 | 20 |
| 090-SB-35 | 090-SB-35-0204 | 11.8 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 71.9 | 20 |
| 090-SB-35 | 090-SB-35-0608 | 7.8 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 36.1 | 20 |
| 090-SB-35 | 090-SB-35-0810 | 5.8 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 34.1 | 20 |
| 090-SB-35 | 090-SB-35-1012 | 3.8 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 1590 | 20 |
| 090-SB-35 | 090-SB-35-1416 | -0.2 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 34.1 | 20 |
| 090-SB-35 | 090-SB-35-1618 | -2.2 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 75.8 | 20 |
| 090-SB-35 | 090-SB-35-1820 | -4.2 | HEXAVALENT CHROMIUM | 10/13/03 | 18540-29-9 | 70.9 | 20 |
| 090-SB-36 | 090-SB-36-0204 | 11.6 | HEXAVALENT CHROMIUM | 10/21/03 | 18540-29-9 | 88.2 | 20 |
| 090-SB-36 | 090-SB-36-0810 | 5.6 | HEXAVALENT CHROMIUM | 10/21/03 | 18540-29-9 | 777 | 20 |
| 090-SB-36 | 090-SB-36-1012 | 3.6 | HEXAVALENT CHROMIUM | 10/21/03 | 18540-29-9 | 1490 | 20 |
| 090-SB-B02 | 090-SB-B02-0002 | 15.4 | HEXAVALENT CHROMIUM | 05/13/97 | 18540-29-9 | 644 | 20 |
| 090-SB-B02 | 090-SB-B02-0204 | 13.4 | HEXAVALENT CHROMIUM | 05/13/97 | 18540-29-9 | 834 | 20 |
| 090-SB-B02 | 090-SB-B02-0406 | 11.4 | HEXAVALENT CHROMIUM | 05/13/97 | 18540-29-9 | 6300 | 20 |
| 090-SB-B02 | 090-SB-B02-0406-D | 11.4 | HEXAVALENT CHROMIUM | 05/13/97 | 18540-29-9 | 6360 | 20 |
| 090-SB-B02 | 090-SB-B02-0810 | 7.4 | HEXAVALENT CHROMIUM | 05/13/97 | 18540-29-9 | 146 | 20 |
| 090-SB-B02 | 090-SB-B02-1012 | 5.4 | HEXAVALENT CHROMIUM | 05/13/97 | 18540-29-9 | 1050 | 20 |
| 090-SB-B02 | 090-SB-B02-1416 | 1.4 | HEXAVALENT CHROMIUM | 05/13/97 | 18540-29-9 | 195 | 20 |
| 090-SB-B02 | 090-SB-B02-1618 | -0.6 | HEXAVALENT CHROMIUM | 05/13/97 | 18540-29-9 | 159 | 20 |
| 090-SB-B02 | 090-SB-B02-1820 | -2.6 | HEXAVALENT CHROMIUM | 05/13/97 | 18540-29-9 | 53.1 | 20 |
| 090-SB-B04 | 090-SB-B04-0002 | 15.2 | HEXAVALENT CHROMIUM | 05/13/97 | 18540-29-9 | 429 | 20 |
| 090-SB-B04 | 090-SB-B04-0204 | 13.2 | HEXAVALENT CHROMIUM | 05/13/97 | 18540-29-9 | 7390 | 20 |
| 090-SB-B04 | 090-SB-B04-0406 | 11.2 | HEXAVALENT CHROMIUM | 05/13/97 | 18540-29-9 | 298 | 20 |
| 090-SB-B04 | 090-SB-B04-0608 | 9.2 | HEXAVALENT CHROMIUM | 05/13/97 | 18540-29-9 | 68.1 | 20 |
| 090-SB-B04 | 090-SB-B04-0810 | 7.2 | HEXAVALENT CHROMIUM | 05/13/97 | 18540-29-9 | 119 | 20 |

Prepared by:CR
Checked by:NK
Date: 3/12/12

EXHIBIT B-2
RESTRICTED AREA DATA TABLE
STUDY AREA 5 - NJCU PROPERTY COMMERCIAL AOC
JERSEY CITY, NEW JERSEY

| Location ID | Field Sample ID ⁽¹⁾ | Sample Elevation (feet above mean sea level) | Parameter Name | Date Sampled | Chemical Abstract Service Registry Number | Concentration (mg/kg) | NJDEP Unrestricted Use Standard (mg/kg) ⁽²⁾ |
|-------------|--------------------------------|--|---------------------|--------------|---|-----------------------|--|
| 090-SB-B04 | 090-SB-B04-1012 | 5.2 | HEXAVALENT CHROMIUM | 05/13/97 | 18540-29-9 | 150 | 20 |
| 090-SB-C03 | 090-SB-C03-0002 | 13.6 | HEXAVALENT CHROMIUM | 05/12/97 | 18540-29-9 | 34.7 | 20 |
| 090-SB-C03 | 090-SB-C03-0810 | 5.6 | HEXAVALENT CHROMIUM | 05/12/97 | 18540-29-9 | 50.3 | 20 |
| 090-SB-C03 | 090-SB-C03-1012 | 3.6 | HEXAVALENT CHROMIUM | 05/12/97 | 18540-29-9 | 3870 | 20 |
| 090-SB-C03 | 090-SB-C03-1416 | -0.4 | HEXAVALENT CHROMIUM | 05/12/97 | 18540-29-9 | 71.4 | 20 |
| 090-SB-D02 | 090-SB-D02-0002 | 13.8 | HEXAVALENT CHROMIUM | 05/12/97 | 18540-29-9 | 43.1 | 20 |
| 090-SB-D02 | 090-SB-D02-1214 | 1.8 | HEXAVALENT CHROMIUM | 05/12/97 | 18540-29-9 | 83.1 | 20 |
| 090-SB-E01 | 090-SB-E01-0002 | 11.8 | HEXAVALENT CHROMIUM | 05/12/97 | 18540-29-9 | 226 | 20 |
| 090-SB-E01 | 090-SB-E01-0406 | 7.8 | HEXAVALENT CHROMIUM | 05/12/97 | 18540-29-9 | 6250 | 20 |
| 090-SB-E01 | 090-SB-E01-0810 | 3.8 | HEXAVALENT CHROMIUM | 05/12/97 | 18540-29-9 | 8210 | 20 |
| 090-SB-E01 | 090-SB-E01-1012 | 1.8 | HEXAVALENT CHROMIUM | 05/12/97 | 18540-29-9 | 5020 | 20 |
| 090-SB-E01 | 090-SB-E01-1214 | -0.2 | HEXAVALENT CHROMIUM | 05/12/97 | 18540-29-9 | 694 | 20 |
| 090-SB-E03 | 090-SB-E03-0002 | 7.4 | HEXAVALENT CHROMIUM | 05/12/97 | 18540-29-9 | 108 | 20 |
| 090-SB-E03 | 090-SB-E03-0204 | 5.4 | HEXAVALENT CHROMIUM | 05/12/97 | 18540-29-9 | 27 | 20 |
| 090-SB-E03 | 090-SB-E03-0810 | -0.6 | HEXAVALENT CHROMIUM | 05/12/97 | 18540-29-9 | 116 | 20 |
| 090-SB-I01 | 090-SB-I1-0810 | -0.4 | HEXAVALENT CHROMIUM | 01/31/03 | 18540-29-9 | 25.1 | 20 |
| 090-SB-I01 | 090-SB-I1-1618 | -8.4 | HEXAVALENT CHROMIUM | 02/25/03 | 18540-29-9 | 50.3 | 20 |
| 090-SB-I02 | 090-SB-I02-0002 | 14 | HEXAVALENT CHROMIUM | 10/07/03 | 18540-29-9 | 51.5 | 20 |
| 090-SB-I02 | 090-SB-I02-0406 | 10 | HEXAVALENT CHROMIUM | 10/07/03 | 18540-29-9 | 21.4 | 20 |
| 090-SB-I02 | 090-SB-I02-0810 | 6 | HEXAVALENT CHROMIUM | 10/07/03 | 18540-29-9 | 11500 | 20 |
| 090-SB-I02 | 090-SB-I02-1012 | 4 | HEXAVALENT CHROMIUM | 10/07/03 | 18540-29-9 | 9780 | 20 |
| 090-SB-I02 | 090-SB-I02-1214 | 2 | HEXAVALENT CHROMIUM | 10/07/03 | 18540-29-9 | 35.9 | 20 |
| 090-SB-I02 | 090-SB-I02-1416 | 0 | HEXAVALENT CHROMIUM | 10/07/03 | 18540-29-9 | 113 | 20 |
| 090-SB-I02 | 090-SB-I02-1820 | -4 | HEXAVALENT CHROMIUM | 10/07/03 | 18540-29-9 | 111 | 20 |
| 090-SB-I03 | 090-SB-I3-0204 | 11.8 | HEXAVALENT CHROMIUM | 02/27/03 | 18540-29-9 | 27.4 | 20 |
| 090-SB-I11 | 090-SB-I11-0204 | 12.2 | HEXAVALENT CHROMIUM | 10/07/03 | 18540-29-9 | 20.3 | 20 |
| 090-SB-I11 | 090-SB-I11-1416 | 0.2 | HEXAVALENT CHROMIUM | 10/07/03 | 18540-29-9 | 152 | 20 |
| 090-SB-I11 | 090-SB-I11-1618 | -1.8 | HEXAVALENT CHROMIUM | 10/07/03 | 18540-29-9 | 99.3 | 20 |
| 090-SB-I11 | 090-SB-I11-1820 | -3.8 | HEXAVALENT CHROMIUM | 10/07/03 | 18540-29-9 | 108 | 20 |
| 090-SB-I14 | 090-SB-I14-0002 | 14.2 | HEXAVALENT CHROMIUM | 10/20/03 | 18540-29-9 | 43.5 | 20 |
| 090-SB-I14 | 090-SB-I14-0204 | 12.2 | HEXAVALENT CHROMIUM | 10/20/03 | 18540-29-9 | 57.4 | 20 |
| 090-SB-I14 | 090-SB-I14-0406 | 10.2 | HEXAVALENT CHROMIUM | 10/20/03 | 18540-29-9 | 105 | 20 |
| 090-SB-I14 | 090-SB-I14-0608 | 8.2 | HEXAVALENT CHROMIUM | 10/20/03 | 18540-29-9 | 28400 | 20 |
| 090-SB-I14 | 090-SB-I14-0810 | 6.2 | HEXAVALENT CHROMIUM | 10/20/03 | 18540-29-9 | 20100 | 20 |
| 090-SB-I14 | 090-SB-I14-1012 | 4.2 | HEXAVALENT CHROMIUM | 10/20/03 | 18540-29-9 | 201 | 20 |
| 090-SB-I14 | 090-SB-I14-1214 | 2.2 | HEXAVALENT CHROMIUM | 10/20/03 | 18540-29-9 | 127 | 20 |
| 090-SB-I14 | 090-SB-I14-1416 | 0.2 | HEXAVALENT CHROMIUM | 10/20/03 | 18540-29-9 | 64.7 | 20 |
| 090-SB-I14 | 090-SB-I14-1618 | -1.8 | HEXAVALENT CHROMIUM | 10/20/03 | 18540-29-9 | 206 | 20 |
| 090-SB-I14 | 090-SB-I14-1820 | -3.8 | HEXAVALENT CHROMIUM | 10/20/03 | 18540-29-9 | 214 | 20 |
| 090-SB-I15 | 090-SB-I15-0002 | 13.8 | HEXAVALENT CHROMIUM | 10/20/03 | 18540-29-9 | 48.3 | 20 |
| 090-SB-I15 | 090-SB-I15-0608 | 7.8 | HEXAVALENT CHROMIUM | 10/20/03 | 18540-29-9 | 20.3 | 20 |
| 090-SB-I15 | 090-SB-I15-0810 | 5.8 | HEXAVALENT CHROMIUM | 10/20/03 | 18540-29-9 | 9710 | 20 |
| 090-SB-I15 | 090-SB-I15-1012 | 3.8 | HEXAVALENT CHROMIUM | 10/20/03 | 18540-29-9 | 1370 | 20 |
| 090-SB-007 | 090-SB-007-1012 | 1.8 | HEXAVALENT CHROMIUM | 06/12/98 | 18540-29-9 | 4300 | 20 |
| 090-SB-007 | 090-SB-007-1012-D | 1.8 | HEXAVALENT CHROMIUM | 06/12/98 | 18540-29-9 | 4250 | 20 |
| 090-SB-008 | 090-SB-008-0810 | 6 | HEXAVALENT CHROMIUM | 06/12/98 | 18540-29-9 | 7450 | 20 |
| 090-SB-008 | 090-SB-008-0810-D | 6 | HEXAVALENT CHROMIUM | 06/12/98 | 18540-29-9 | 6990 | 20 |
| 090-SB-009 | 090-SB-009-0810 | 6 | HEXAVALENT CHROMIUM | 06/12/98 | 18540-29-9 | 37.9 | 20 |
| 090-SB-015 | 090-SB-015-0002 | 11.9 | HEXAVALENT CHROMIUM | 06/12/98 | 18540-29-9 | 82.1 | 20 |
| 090-SB-015 | 090-SB-015-0608 | 5.9 | HEXAVALENT CHROMIUM | 06/12/98 | 18540-29-9 | 3630 | 20 |
| 090-SB-015 | 090-SB-015-0810 | 3.9 | HEXAVALENT CHROMIUM | 06/12/98 | 18540-29-9 | 1870 | 20 |
| 090-SB-016 | 090-SB-016-0002 | 11.9 | HEXAVALENT CHROMIUM | 06/12/98 | 18540-29-9 | 27.9 | 20 |
| 090-SB-016 | 090-SB-016-0608 | 5.9 | HEXAVALENT CHROMIUM | 06/12/98 | 18540-29-9 | 85.8 | 20 |
| 090-SB-016 | 090-SB-016-0810 | 3.9 | HEXAVALENT CHROMIUM | 06/12/98 | 18540-29-9 | 16600 | 20 |
| 090-SB-016 | 090-SB-016-1012 | 1.9 | HEXAVALENT CHROMIUM | 06/12/98 | 18540-29-9 | 29900 | 20 |

Prepared by:CR
Checked by:NK
Date: 3/12/12

EXHIBIT B-2
RESTRICTED AREA DATA TABLE
STUDY AREA 5 - NJCU PROPERTY COMMERCIAL AOC
JERSEY CITY, NEW JERSEY

| Location ID | Field Sample ID ⁽¹⁾ | Sample Elevation (feet above mean sea level) | Parameter Name | Date Sampled | Chemical Abstract Service Registry Number | Concentration (mg/kg) | NJDEP Unrestricted Use Standard (mg/kg) ⁽²⁾ |
|-------------|--------------------------------|--|---------------------|--------------|---|-----------------------|--|
| 090-SB-017 | 090-SB-017-0204 | 12.2 | HEXAVALENT CHROMIUM | 06/12/98 | 18540-29-9 | 28.1 | 20 |
| 090-SB-017 | 090-SB-017-0608 | 8.2 | HEXAVALENT CHROMIUM | 06/12/98 | 18540-29-9 | 6040 | 20 |
| 090-SB-017 | 090-SB-017-0810 | 6.2 | HEXAVALENT CHROMIUM | 06/12/98 | 18540-29-9 | 11800 | 20 |
| 090-SB-017 | 090-SB-017-1012 | 4.2 | HEXAVALENT CHROMIUM | 06/12/98 | 18540-29-9 | 13000 | 20 |
| 090-SB-018 | 090-SB-018-0810 | 3.8 | HEXAVALENT CHROMIUM | 06/12/98 | 18540-29-9 | 27.9 | 20 |
| 090-SB-018 | 090-SB-018-1012 | 1.8 | HEXAVALENT CHROMIUM | 06/12/98 | 18540-29-9 | 1270 | 20 |
| 090-SB-018 | 090-SB-018-1214 | -0.2 | HEXAVALENT CHROMIUM | 06/12/98 | 18540-29-9 | 6540 | 20 |
| 090-SB-019 | 090-SB-019-1618 | -2.2 | HEXAVALENT CHROMIUM | 06/12/98 | 18540-29-9 | 1550 | 20 |
| 184-SB-03 | 184-SB-03-0608 | 1.4 | HEXAVALENT CHROMIUM | 07/29/03 | 18540-29-9 | 36.1 | 20 |
| 184-SB-03 | 184-SB-03-0810 | -0.6 | HEXAVALENT CHROMIUM | 07/29/03 | 18540-29-9 | 23.2 | 20 |
| 184-SB-03 | 184-SB-03-1214 | -4.6 | HEXAVALENT CHROMIUM | 07/29/03 | 18540-29-9 | 59.8 | 20 |
| 184-SB-03 | 184-SB-03-1416 | -6.6 | HEXAVALENT CHROMIUM | 07/29/03 | 18540-29-9 | 30.2 | 20 |
| 184-SB-09 | 184-SB-09-0204 | 4.8 | HEXAVALENT CHROMIUM | 10/06/03 | 18540-29-9 | 142 | 20 |
| 184-SB-09 | 184-SB-09-0406 | 2.8 | HEXAVALENT CHROMIUM | 10/06/03 | 18540-29-9 | 159 | 20 |
| 184-SB-10 | 184-SB-10-0204 | 5.6 | HEXAVALENT CHROMIUM | 10/06/03 | 18540-29-9 | 2100 | 20 |
| 184-SB-10 | 184-SB-10-0406 | 3.6 | HEXAVALENT CHROMIUM | 10/06/03 | 18540-29-9 | 740 | 20 |
| 184-SB-10 | 184-SB-10-0608 | 1.6 | HEXAVALENT CHROMIUM | 10/06/03 | 18540-29-9 | 22 | 20 |
| 184-SB-10 | 184-SB-10-1012 | -2.4 | HEXAVALENT CHROMIUM | 10/06/03 | 18540-29-9 | 35.9 | 20 |
| 184-SB-A07 | 184-SB-A07-0002 | 6.8 | HEXAVALENT CHROMIUM | 06/10/98 | 18540-29-9 | 44.2 | 20 |
| 184-SB-A08 | 184-SB-A08-0002 | 6.8 | HEXAVALENT CHROMIUM | 06/10/98 | 18540-29-9 | 71.8 | 20 |
| 184-SB-A08 | 184-SB-A08-0204 | 4.8 | HEXAVALENT CHROMIUM | 06/10/98 | 18540-29-9 | 47.5 | 20 |
| 184-SB-A09 | 184-SB-A09-0002 | 6 | HEXAVALENT CHROMIUM | 06/12/98 | 18540-29-9 | 368 | 20 |
| 184-SB-A09 | 184-SB-A09-0204 | 4 | HEXAVALENT CHROMIUM | 06/12/98 | 18540-29-9 | 455 | 20 |
| 184-SB-A09 | 184-SB-A09-0406 | 2 | HEXAVALENT CHROMIUM | 06/12/98 | 18540-29-9 | 482 | 20 |

Notes:

- (1) - The last four digits of each Field Sample ID represent the sample depth in feet below ground surface. For example, 0002 indicates a sample collected between 0 and 2 feet below ground surface
- (2) - The Unrestricted Use Standard refers to the current NJDEP Soil Cleanup Criteria for hexavalent chromium of 20 mg/kg
mg/kg - milligrams per Kilogram
D - Duplicate Sample

EXHIBIT C

C-1 Deed Notice as Institutional Controls

C-2 Engineering Controls

Block 21902, Lots 14, 13 and 2

(formerly Block 1286, Lots 5 and 6D; Block 1286.5, Lot 1)

City of Jersey City, New Jersey

C-1 Deed Notice as Institutional Controls
Block 21902, Lots 14, 13 and 2
(formerly Block 1286, Lots 5 and 6D; Block 1286.5, Lot 1)
City of Jersey City, New Jersey

i. Exhibit C-1: Deed Notice as Institutional Controls: Exhibit C-1 includes a narrative description of the restriction and obligations of this Deed Notice that are in addition to those described above, as follows:

(A) General Description of this Deed Notice:

(1) Description and estimated size of the Restricted Areas as described above;

The NJCU Commercial AOC constitutes a portion of the Property known as Block 21902, Lots 2, 13 and 14, and constitutes the Restricted Area. The overall size of the Property is 17.3 acres. The NJCU Commercial AOC or Restricted Area is identified as the cap area on Exhibit Figure B-1; estimated at approximately 4.2 acres.

(2) Description of the restrictions on the NJCU Commercial AOC by operation of this Deed Notice; and

By operation of this Deed Notice, the NJCU Commercial AOC shall not be used for residential, day care, or educational uses, except administrative educational uses. Intrusive activities (i.e., excavation or digging) that breach the engineering controls (as described in Exhibit C-2) will only occur on the NJCU Commercial AOC with the appropriate measures. See Deed Notice for additional information; subsections 6A Alterations, Improvements, Disturbances, and 6B, Emergencies.

(3) The objective of the restrictions;

The restrictions will prohibit contact with soils above the NJDEP Soil Cleanup Criteria and with shallow groundwater above the NJDEP groundwater quality standard for total chromium.

(B) Description of the monitoring necessary to determine whether:

(1) Any disturbances of the soil in the NJCU Commercial AOC did not result in the unacceptable exposure to the soil or groundwater contamination;

Quarterly visual inspections of the NJCU Commercial AOC. Inspections and other monitoring of the NJCU Commercial AOC as set forth in the Long-Term Monitoring Plan developed pursuant to the Consent Decree.

(2) There have been any land use changes subsequent to the filing of this Deed Notice or the most recent biennial certification, whichever is more recent;

Same as (B)(1).

(3) The current land use on the NJCU Commercial AOC is consistent with the restrictions in this Deed Notice;

Same as (B)(1).

(4) Any newly promulgated or modified requirements of applicable regulations or laws apply to the NJCU Commercial AOC; and

Review of newly promulgated or modified requirements of applicable regulations or laws that potentially may apply to the NJCU Commercial AOC

(5) Any new standards, regulations, or laws apply to the NJCU Commercial AOC that might necessitate additional sampling in order to evaluate the protectiveness of the remedial action which includes this Deed Notice, and conduct the necessary sampling.

Same as (E)(4).

(C) Description of the following items that will be included in the biennial certification:

(1) A monitoring report that describes the specific activities, pursuant to (A) and (B), above, conducted in support of the biennial certification of the protectiveness of the remedial action that includes this Deed Notice;

(2) Land use at the NJCU Commercial AOC is consistent with the restrictions in this Deed Notice; and

(3) The remedial action that includes this Deed Notice continues to be protective of the public health and safety and of the environment.

The monitoring report will be included in the biennial certification. Components of the monitoring report will include the following:

- ***A report of all conditions set forth in sections (A) and (B) above to assure that they have been adhered to, including evaluation of any available documents as a result of changes in land use or incidents.***

- *A report that determines whether or not the land use at the NJCU Commercial AOC has remained consistent with the restrictions in the Deed Notice.*
- *A report that determines whether or not the Deed Notice continues to be protective of the public health and safety and the environment.*

**C-2 Engineering Controls
Block 21902, Lots 14, 13 and 2
(formerly Block 1286, Lots 5 and 6D; Block 1286.5, Lot 1)
City of Jersey City, New Jersey**

ii. Exhibit C-2: Narrative description of the Engineering Controls including Existing Building Structures with concrete foundations and surrounding paved areas; and Proposed New Capping System, as follows:

(A) General Description of the engineering controls:

(1) Description of the engineering controls;

The Engineering Controls consist of the following:

For soils with hexavalent chromium concentrations above 20 mg/kg, the engineering controls include a capping system consisting of: impervious geo-membrane liner; geo-composite drainage layer; and clean soil cover with minimum 12 inches thickness in areas where buildings or pavement are proposed; and 36-inches thickness in areas where the planting of trees and bushes is proposed and a minimum 24-inches thickness in areas where other vegetation is proposed. Engineering controls will also include clean fill to be placed in excavated areas. The engineering controls also include underground barrier walls and a system of wells, pumps and piping for the collection and treatment of shallow groundwater, if necessary, from the NJCU Commercial AOC.

(2) The objective of the engineering controls; and

The objective of the controls is to prevent direct contact with soils that exceed the NJDEP Soil Cleanup Criteria and shallow groundwater above the NJDEP groundwater quality standard for total chromium.

(3) How the engineering controls are intended to function.

The soil engineering controls are intended to function as a barrier to underlying and adjacent soils that exceed the NJDEP Soil Cleanup Criteria. The groundwater engineering controls are intended to restrict the flow of shallow groundwater, and to collect and treat contaminated groundwater, if necessary, from the NJCU Commercial AOC. Shallow groundwater monitoring requirements are set forth in the Long Term Monitoring Plan.

(B) Description of the operation and maintenance necessary to ensure that:

(1) Periodic inspections of each engineering control are performed in order to determine its integrity, operability, and effectiveness;

Performed quarterly by visual inspection of the NJCU Commercial AOC. Honeywell will perform quarterly monitoring by visual inspection of the NJCU Commercial AOC pursuant to the Consent Decree. Other monitoring activities shall be performed as set forth in the Long-Term Monitoring Plan developed pursuant to the Consent Decree.

(2) Each engineering control continues as designed and intended to protect the public health and safety and the environment;

Same as (B)(1) above.

(3) Each alteration, excavation or disturbance of any engineering control is timely and appropriately addressed to maintain the integrity of the engineering controls;

Same as (B)(1) above. Also, see Deed Notice and Consent Decree for additional information: subsections 6A Alterations, Improvements, Disturbances, and 6B Emergencies.

(4) The engineering controls are being inspected and maintained and their integrity remains so that the remedial action continues to be protective of the public health and safety and of the environment;

Same as (B)(1) above.

(5) A record of the self-inspection dates, name of the inspector, results of the inspection and condition(s) of the engineering controls. Sampling, for example, may be necessary if it is not possible to visually evaluate the integrity/performance of the engineering controls; and

Records of the inspections are to be maintained as listed in (5). Should the visual inspection or activities carried out in conformance with the Long-Term Monitoring Plan developed pursuant to the Consent Decree indicate that other activities are necessary, those activities will be listed and executed.

(6) Any new standards, regulations, or laws apply to the NJCU Commercial AOC that might necessitate additional sampling in order to evaluate the protectiveness of the remedial action which includes this Deed Notice, and conduct the necessary sampling; and

A review of any new standards, regulations, or laws will be conducted. Should the review indicate that other activities are necessary, those activities will be listed and executed.

(C) Description of the following items that will be included in the biennial certification:

(1) A monitoring report that describes the specific activities, pursuant to (A) and (B), above, conducted in support of the biennial certification of the protectiveness of the remedial action that includes this Deed Notice;

(2) The engineering controls continues to operate as designed; and

(3) The remedial action that includes the engineering control continues to be protective of the public health and safety and of the environment.

The monitoring report will be included in the biennial certification. Components of the monitoring report will include the following:

- ***A report of all conditions set forth in sections (A) and (B) above to assure that they have been adhered to, including an evaluation to determine whether or not the engineering controls are continuing to meet the original objective and intended function.***
- ***A report to determine whether or not the engineering controls continue to operate as designed.***
- ***A report to determine whether or not the engineering controls continue to be protective of the public health and safety and of the environment***

15. SIGNATURES. IN WITNESS WHEREOF, Owner has executed this Deed Notice as of the date first written above.

~~[If Owner is an individual]~~

WITNESS:

~~_____
[Signature]~~

~~_____
[Print name below signature]~~

~~[If Owner is a corporation]~~

Owner is a State of New Jersey entity

~~ATTEST:~~

~~[Name of corporation]~~

*New Jersey City University
an institution of public higher
education of the State of New Jersey*

Aaron Aska

[Print name and title]

*Aaron Aska
Vice President of Administration
and Finance, NJCU*

[Signature]

[Signature]

[If Owner is a general or limited partnership]

WITNESS:

[Name of partnership]

[Signature]

By _____, General
[Print name]
Partner

[If Owner is an individual]

STATE OF [State where document is executed]
COUNTY OF [County where document is executed]

SS.:

I certify that on _____, 2012, [Name of Owner] personally came before me, and this person acknowledged under oath, to my satisfaction, that this person [or if more than one person, each person]

- (a) is named in and personally signed this document; and
- (b) signed, sealed and delivered this document as his or her act and deed.

_____, Notary Public
[Print Name and Title]

~~[If Owner is a corporation]~~

Institution of public higher education of the State of New Jersey

STATE OF [State where document is executed] SS.:
COUNTY OF [County where document is executed]

I certify that on Aaron Aska, 2012, [Name of person executing document on behalf of Owner] personally came before me, and this person acknowledged under oath, to my satisfaction, that:

- (a) this person is the Vice President of Administration & Finance ~~[secretary/assistant secretary]~~ of [Owner], the ~~corporation~~ University named in this document;
- (b) this person is the attesting witness to the signing of this document by the proper corporate officer who is the ~~president/vice president~~ of the ~~corporation~~ University;
- (c) this document was signed and delivered by the ~~corporation~~ University as its voluntary act and was duly authorized;
- (d) this person knows the proper seal of the corporation which was affixed to this document; and
- (e) this person signed this proof to attest to the truth of these facts.

Yelena Reyes

[Signature]

Yelena Reyes

[Print name and title of attesting witness]

Signed and sworn before me on 5/3, 2012

YELENA REYES, Notary Public

NOTARY PUBLIC OF NEW JERSEY
My Commission Expires 4/16/2013

[Print name and title]



[If Owner is a partnership]

STATE OF [State where document is executed] SS.:

COUNTY OF [County where document is executed]

I certify that on _____, 2012, [Name of person executing document on behalf of Owner] personally came before me, and this person acknowledged under oath, to my satisfaction, that this person:

- (a) is a general partner of [Owner], the partnership named in this document;
- (b) signed, sealed and delivered this document as his or her act and deed in his capacity as a general partner of [owner]; and
- (c) this document was signed and delivered by such partnership as its voluntary act, duly authorized.

[Signature]

_____, General Partner

[Print Name]

_____, Notary Public

[Print name and title]

APPENDIX R

REGIONAL CLASSIFICATION EXEMPTION AREA DOCUMENTATION

STUDY AREA 5 REMEDIAL ACTION REPORT

FORMER BALDWIN STEEL SITE (NJDEP SITE 090)

FORMER MI HOLDINGS SITE (NJDEP SITE 184)

PORTION OF FORMER MORRIS CANAL SITE (NJDEP SITE 153 NORTHERN SEGMENT)

JERSEY CITY, NEW JERSEY

Ground Water Classification Exception Area Fact Sheet

A. SITE INFORMATION

1. Program's Site Identification Number: 64070
2. Program Interest Number (Preferred ID): G000002548
3. Program Interest Name: Roosevelt Drive In (Site 115)
4. Street address: 425, 445 & 465 Route 440
5. City: Jersey City
6. County: Hudson
7. Block and Lots of the site (duplicate if the site is located in more than one municipality):
 - a. Name of the municipality in which the site is located: Jersey City
 - b. Block and Lots: Block: 1290.A Lots: 11W, 9L, 11H, 11J, 11K, 11L, 11Y, 11M, 11N, 11O, 11P, 11Q, 11R, 12B, 12A, 10Z, 10E, 10H, 10Y, 11T, 11U, 2D, 2E, 15D
 - c. Year of tax map: 1977
8. United States Geological Survey Quadrangle map, indicating the location of the site, presented as Exhibit A.
9. Site Contact:
 - a. Name of contact person: John J. Morris, P.E.
 - b. Company name: Honeywell International Inc.
 - c. Mailing address: 101 Columbia Road Morristown, NJ 07962
 - d. Phone number: (973) 455 - 4003

B. PROPOSED CLASSIFICATION EXCEPTION AREA INFORMATION

1. Narrative description of proposed classification exception area:

The proposed CEA boundary represents the maximum extent to which groundwater in the shallow water-bearing zone (fill material) contains total chromium in excess of the NJDEP Class II-A Ground Water Quality Standards (GWQS). With one exception, this delineation is based on prior subsurface investigations conducted in the vicinity of Hudson County Chromate Site 115 (Study Area 7). The basis for this delineation has been documented in Section 4 of the Final Groundwater Investigation Report (FGIR) prepared by HydroQual on behalf of Honeywell (HydroQual, February 2, 2007). The proposed CEA boundary therefore has been developed based on the extent of total chromium in the shallow zone as depicted on Figure 4.2-3 of the FGIR. The exception is that there is no longer groundwater present above the meadow mat within the boundary of Site 115, and thus this portion of the Study Area has been carved out of the CEA. The majority of this area has been excavated and replaced with clean fill. The remaining portion of Site 115 is currently being excavated and has been dewatered through pumping from headers installed within the COPR. Based on multiple lines of evidence (as further discussed in the FGIR), it is concluded that this plume has reached steady-state conditions and thus no further lateral expansion of the plume is expected.

2. Location of proposed classification exception area (duplicate if the site is located in more than one municipality):

a. Name of the municipality in which the site is located: Jersey City

b. Block and Lots: Block: 1290.A Lots: 9H, 11W, 9L, 11H, 11J, 11K, 11L, 11Y, 11M, 11N, 11O, 11P, 11Q, 11R, 12B, 12A, 10Z, 10E, 10H, 10Y, 11T, 11U, 2D, 2E, 15D; Block: 1290.B Lots: 9E, 10F, 10G; Block: 1288.2 Lot: C1; Block: 1275 Lot: 4; Block: 1285.5 Lot: 1; Block 1286 Lot: 5; Block: 1286.5 Lot: 1; Blocks: 1291 – 1292 Lot: 76

c. Year of tax map: 1977

3. Affected aquifer(s):

| Aquifer Name | Vertical Depth | Ground Water Classification |
|--------------|----------------|-----------------------------|
| Fill | 0 - 20 ft | Class II-A |

4. Contaminant concentrations:

| Contaminant | Concentration ¹ | GWQS ² | SWQS ³ |
|-----------------------|----------------------------|-------------------|-------------------|
| Chromium (Total) | 229,000 ug/L | 70 ug/L | 750 ug/L |
| Chromium (Hexavalent) | 115,000 ug/L | ----- | 50 ug/L |

5. Proposed classification exception area boundaries:

Horizontal: Scaled map indicating projected areal extent of proposed classification exception area, as well as location of site, presented as Exhibit B.

Vertical: As stated in B.3., above.

Locational coordinates of boundary of proposed classification exception area as New Jersey State Plane Coordinates. A minimum of four coordinates shall be submitted, in a format compatible with Department's geographic information system:

| Northing | Easting | (New Jersey State Plane Coordinates) |
|----------|---------|--------------------------------------|
| 683438 | 603172 | |
| 683814 | 603807 | |
| 684547 | 604214 | |
| 685701 | 604234 | |
| 685353 | 603400 | |
| 686111 | 602154 | |
| 685441 | 601413 | |
| 684256 | 602709 | |

| Latitude | Longitude |
|----------|-----------|
| 40.7090 | -74.0994 |
| 40.7100 | -74.0971 |
| 40.7120 | -74.0956 |
| 40.7152 | -74.0956 |
| 40.7143 | -74.0986 |
| 40.7164 | -74.1031 |
| 40.7145 | -74.1057 |
| 40.7113 | -74.1011 |

6. Estimated size of the proposed ground water classification exception area:

45.35 Acres

7. Projected duration and expiration date of the proposed classification exception area:

a. Duration (in years and or days): Indeterminate

Data from prior investigations indicates that the presence of elevated chromium in the shallow groundwater is limited to the extent of COPR and COPR-impacted soils. This indicates that the plume will not expand beyond its current extent, and that concentrations will remain above the NJ GWQS as long as the COPR remains in place. Thus, with the following exceptions, the duration of the proposed CEA is indeterminate.

The exceptions include ongoing and planned remedial actions which will reduce the concentrations and/or footprint of the shallow groundwater plume. For example, hot spot soil excavation with off-site disposal, soil containment, capping, and the installation of subsurface barrier walls are planned for SA-5, SA-6 north and SA-6 south. Remedial action work plans that provide a description of these activities have been approved by NJDEP. Upon completion of these remedial activities, proposals will be made to modify the CEA accordingly.

b. Expiration date (as calendar date): N/A

Footnotes

1 Maximum concentration detected at the time Classification Exception Area information submitted to the Department. For a complete list of sampling points in which chromium was detected above applicable standards, refer to the Final Groundwater Investigation Report-Honeywell Study Area 7 Site (HydroQual, February 2007).

2 New Jersey Ground Water Quality Standards, N.J.A.C. 7:9-6.

3 New Jersey Surface Water Quality Standards, N.J.A.C. 7:9B.

**EVALUATION OF CURRENT AND FUTURE
GROUNDWATER USE
(RESULTS OF THE 25-YEAR WATER USE PLANNING REVIEW)**

**EVALUATION OF CURRENT AND FUTURE GROUNDWATER USE
(RESULTS OF THE 25-YEAR WATER USE PLANNING REVIEW)
(per 7:26E-8.3(b)4(ii) of the NJ Technical Requirements)**

| No. | Required Contact | Results of Inquiry | Influence On CEA |
|------------|--|---|-------------------------|
| 1 | New Jersey Water Supply Master Plan | Contacted Ian Snook, DEP Division of Water Supply – no need for reviewing the NJ Water Supply Master Plan (e-mail dated 02/06/2008). | None |
| 2 | DEP Bureau of Water Allocation | Completed well search indicated 5 water supply wells within 1-mile radius – for details see Table 1. | None |
| 3 | Municipal Master Plans – Hudson County | Contacted Barbara A. Netchert, County Clerk's Office – was transferred to Neil Carroll, County Counsel's office and to Willie J. Flood, Register's office – no plans that would affect the groundwater | None |
| | Municipal Master Plans – Jersey City | Contacted Robert Byrne, City Clerk's Office and Bob Cotter, Director of Planning – Master Plan does not affect the groundwater. | None |
| 4 | Zoning Plans – Hudson County | Contacted Neil Carroll, County Counsel's office – no plans that would affect the groundwater | None |
| | Zoning Plans – Jersey City | Contacted Robert Byrne, City Clerk's Office and Bob Cotter, Director of Planning – no Zoning Plans that would affect the groundwater. | None |
| 5 | Local Water Purveyor | Contacted Richard Henning, United Water NJ and Keh Liu, Jersey City Municipal Utilities Authority – no plans pertaining to installation of water lines that would affect the groundwater. | None |
| 6 | Planning Officials – Hudson County | Contacted Stephen Marks, County Director of Planning and Mariano Vega, County Dept. of Parks, Engineering and Planning – was transferred to Bob Jasek, County Engineer – no plans that would affect the groundwater | None |
| | Planning Officials – Jersey City | Contacted Bob Cotter, City Director of Planning and Brian O'Reilly, City Business Administrator – no plans that would affect the groundwater. | None |

**EVALUATION OF CURRENT AND FUTURE GROUNDWATER USE
(RESULTS OF THE 25-YEAR WATER USE PLANNING REVIEW)
(per 7:26E-8.3(b)4(ii) of the NJ Technical Requirements)**

| No. | Required Contact | Results of Inquiry | Influence On CEA |
|------------|--|--|-----------------------------|
| 7 | Board of Health – Hudson County | Contacted Carol Ann Wilson, County Dept. of Health & Human Services – was transferred to Michael Walker, County Regional Health Commission – no plans that would affect the groundwater. | None |
| | Board of Health – Jersey City | Contacted Harry Melendez, City Dept. of Health & Human Services – was transferred to Joseph Castagna, County Health Officer – nothing that would affect the groundwater. | None |
| 8 | Ordinances Restricting Installation of Potable Wells – Hudson County | Contacted Barbara A. Netchert, County Clerk, Neil Carroll, County Counsel's office, Stephen Marks, County Director of Planning, Mariano Vega, County Dept. of Parks, Engineering and Planning, Bob Jasek, County Engineer, and Michael Walker, County Regional Health Commission – no ordinances restricting installation of potable wells (no potable wells in Jersey City area). | None |
| | Ordinances Restricting Installation of Potable Wells – Jersey City | Contacted Robert Byrne, City Clerk, Bob Cotter, City Director of Planning, Brian O'Reilly, City Business Administrator, and Joseph Castagna, County Health Officer – no ordinances restricting installation of potable wells (no potable wells in Jersey City area). | None |

Table 1
Water Supply Wells
Well Search Summary

The results of the well search found five (5) water supply wells within a 1-mile radius of the site. Three (3) of these wells are listed as industrial water supply wells and the other two as domestic and non-public. Although their current operational status is unknown, all five wells are completed in the bedrock rather than the Shallow zone. None of the wells are located within the proposed CEA boundary, and potable water is provided to all locations within a 1-mile radius of the site.

| Permit No. | Owner Name | Well Depth | Capacity | Well Use | Permit Date |
|------------|----------------------|------------|----------|------------|-------------|
| | | feet | gpm | | MM-YY-DD |
| 2600004975 | CELANESE CHEMICAL CO | 200 | 20 | Domestic | FEB-81-25 |
| 2600001731 | SPEEDWAY AUTO LAUNDR | 150 | 40 | Industrial | OCT-57-11 |
| 2600040387 | FOWLER EQUIPT. CO. I | 300 | 40 | Industrial | APR-95-18 |
| 2600043694 | PARK, HEE | 150 | 35 | Industrial | FEB-96-26 |
| 2600002429 | GAS INC | 150 | 10 | Non Public | JUN-61-20 |

NAME AND ADDRESS COPY LIST

NAME AND ADDRESS COPY LIST

Barbara A. Netchert
Hudson County Clerk's Office
Brennan Court House
583 Newark Ave.
Jersey City, NJ 07306
Tel (201) 795-6112

Robert Byrne, RMC
Jersey City Clerk's Office
280 Grove Street
Jersey City, NJ 07302
Tel (201) 547-5150

Carol Ann Wilson
Hudson County Department of Health & Human Services
Meadowview Campus
595 County Road
Secaucus, NJ 07094
Tel (201) 271-4310

Harry Melendez
Jersey City Department of Health & Human Services
201 Cornelison Avenue
Jersey City, NJ 07304
Tel 201-547-6800

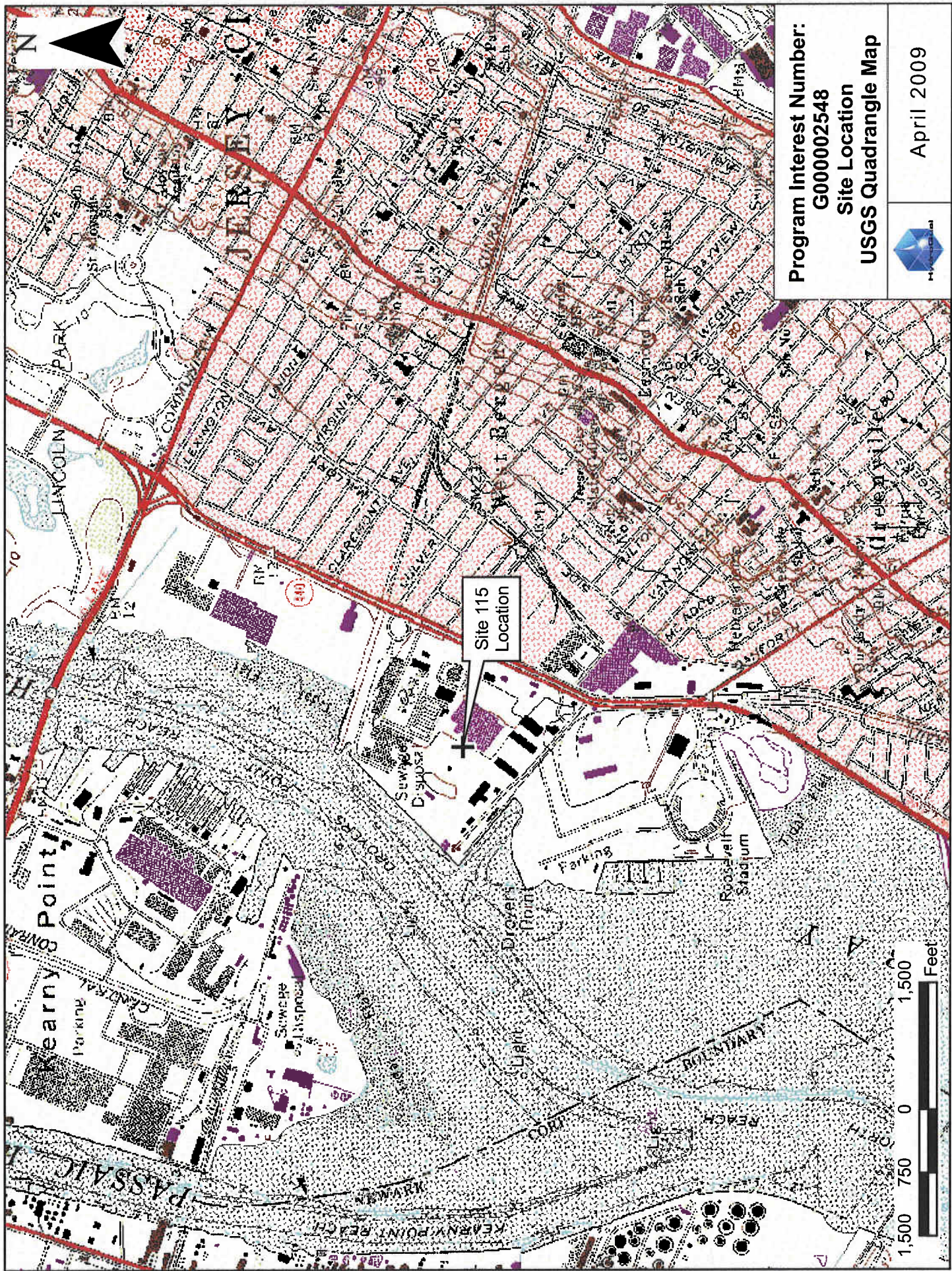
County Environmental Health Act
Hudson County Regional Health Commission
Meadowview Campus, Building 1
595 County Avenue
Secaucus, NJ 07094
(201) 223-1133 - Environmental Coordinator

Stephen D. Marks PP, AICP
Hudson County Division of Planning
Brennan Court House
583 Newark Avenue
Jersey City, NJ 07306
Tel (201) 217-5137

Bureau Chief
Department of Environmental Protection
Bureau of Safe Drinking Water
401 E. State Street
P.O. Box 426
Trenton, NJ 08625-0426
(609) 292-5550

Diane Zalaskus
Department of Environmental Protection
Bureau of Water Allocation
401 E. State Street
P.O. Box 426
Trenton, NJ 08625-0426
(609) 292-2957

EXHIBIT A:
USGS QUADRANGLE MAP



Program Interest Number:
G000002548
Site Location
USGS Quadrangle Map

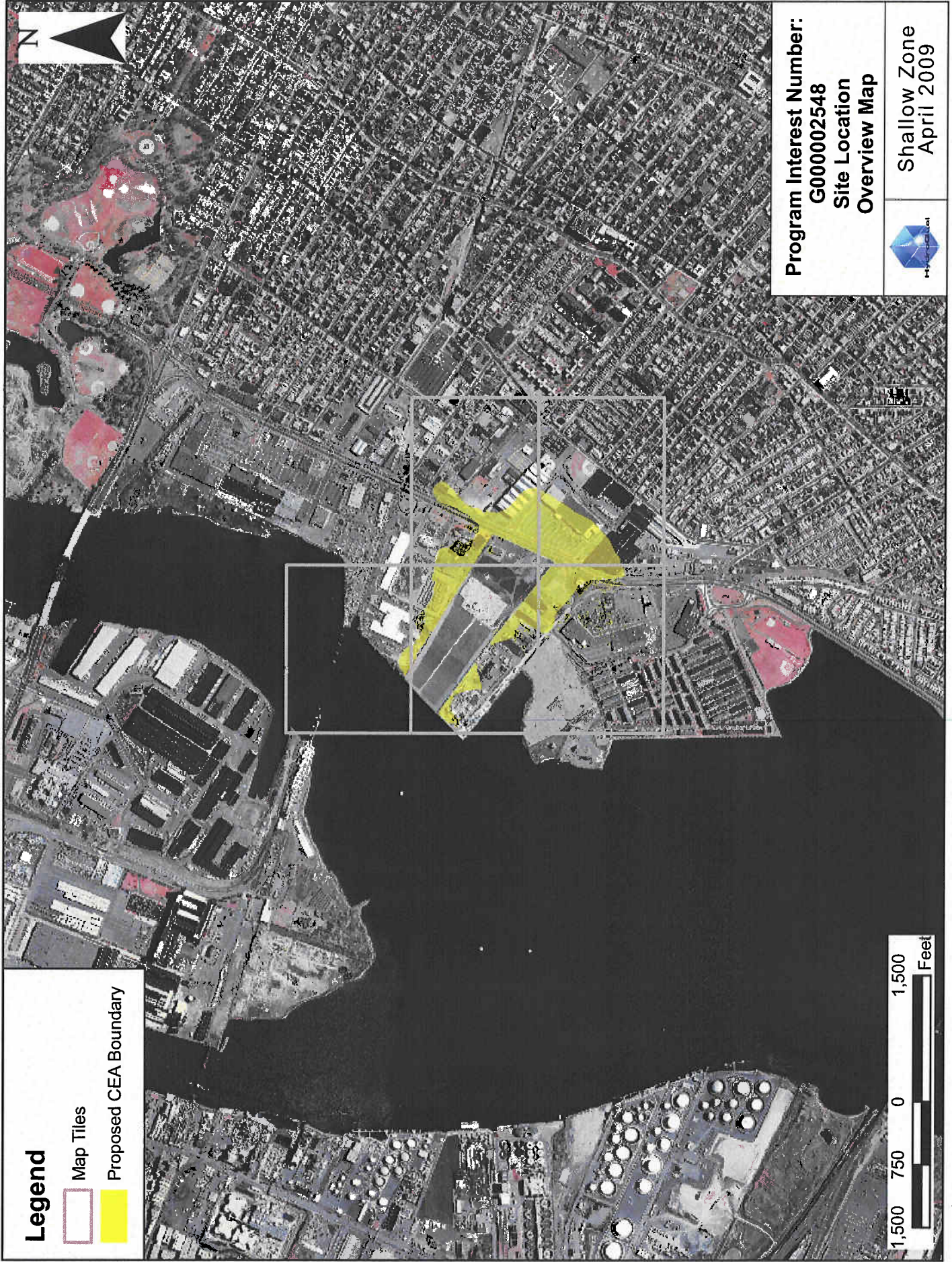


April 2009

EXHIBIT B:
AERIAL EXTENT OF PROPOSED CEA
AND SITE LOCATION MAPS

CEA BOUNDARY

**EXTENT OF TOTAL CHROMIUM ABOVE THE NJDEP
GROUNDWATER QUALITY STANDARDS (70 ppb)**



Legend

Map Tiles

Proposed CEA Boundary

Program Interest Number:
G000002548
Site Location
Overview Map



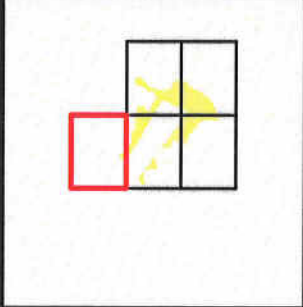
Shallow Zone
April 2009

1,500 750 0 1,500 Feet

Legend

Map Tiles

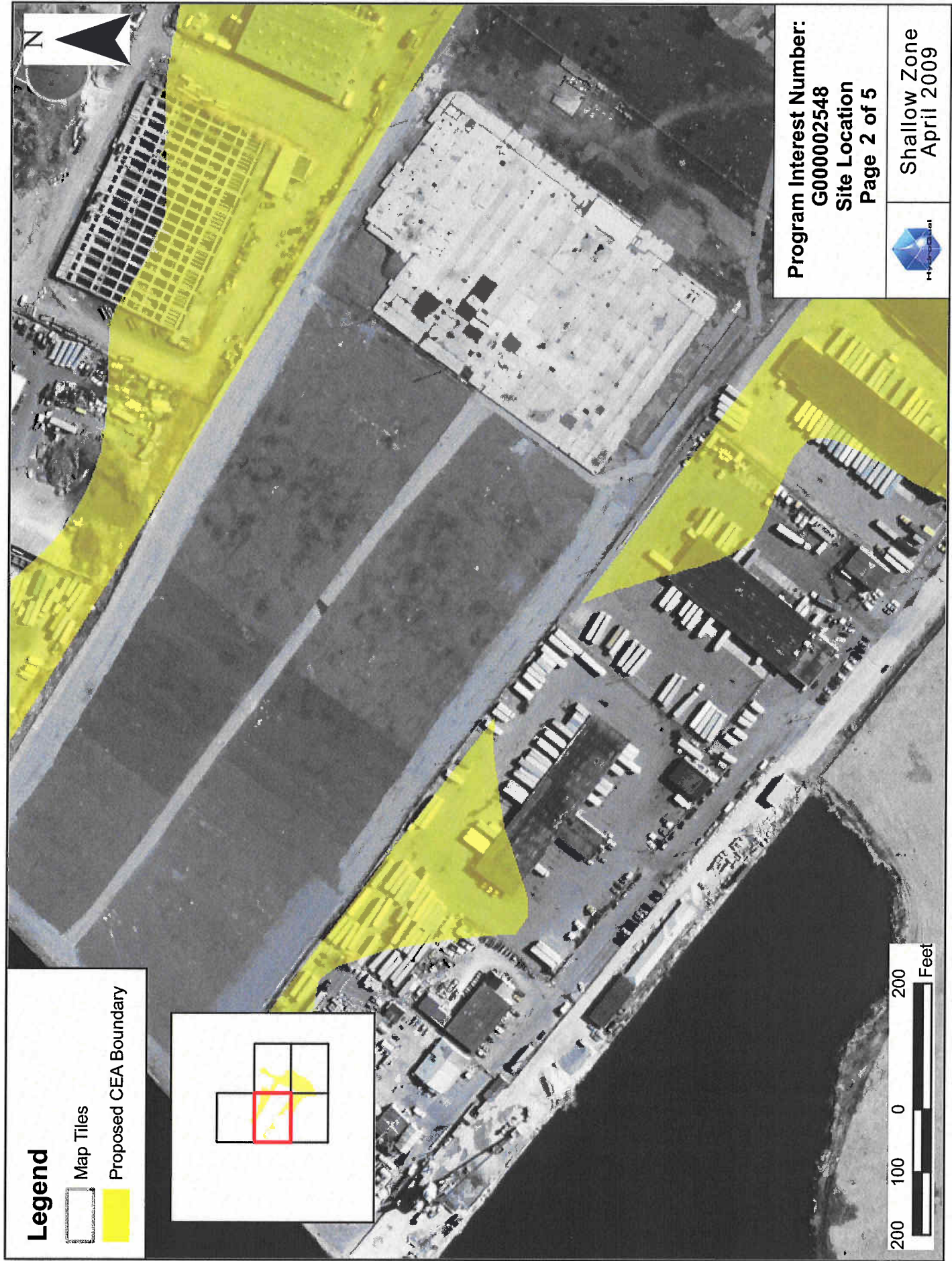
Proposed CEA Boundary

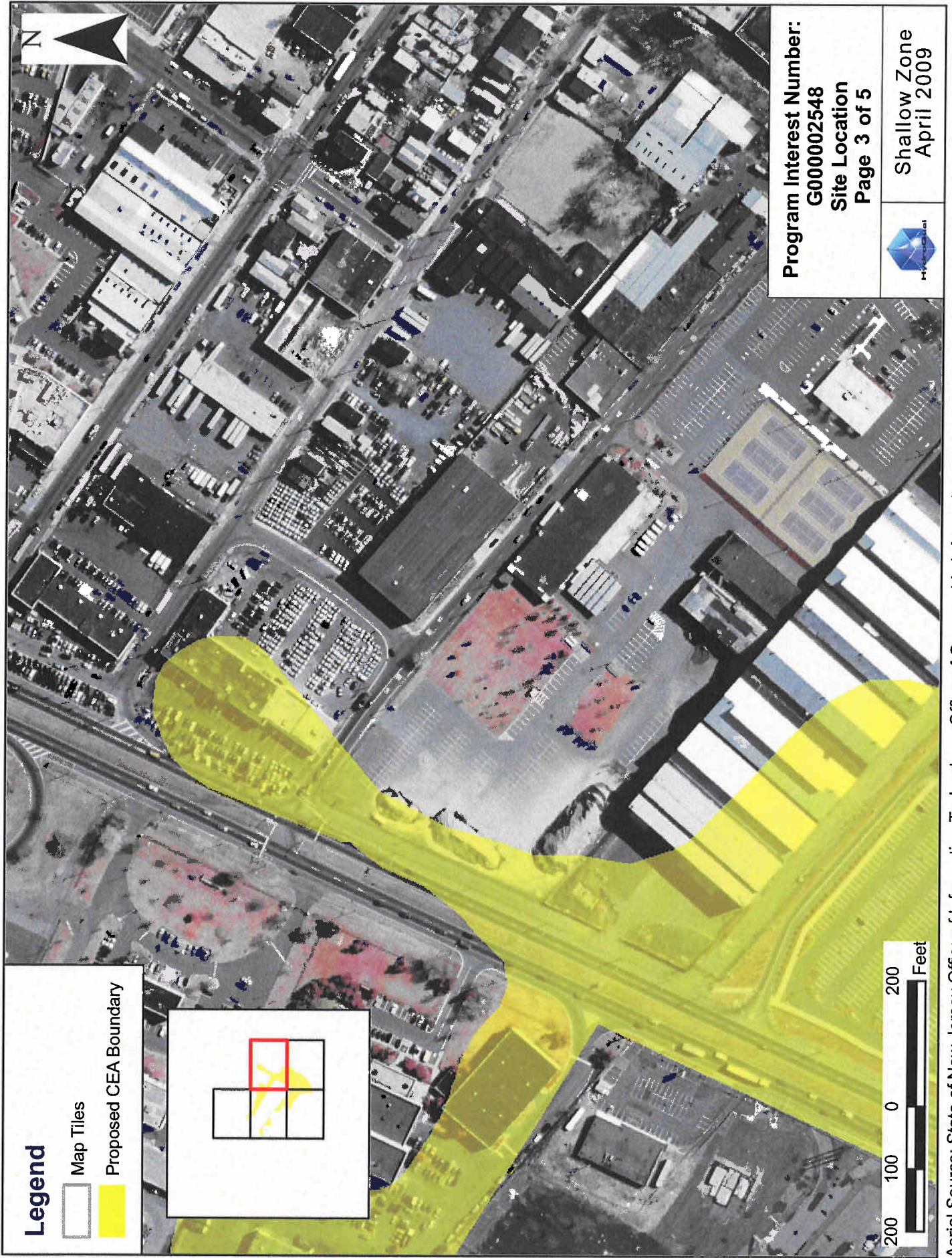


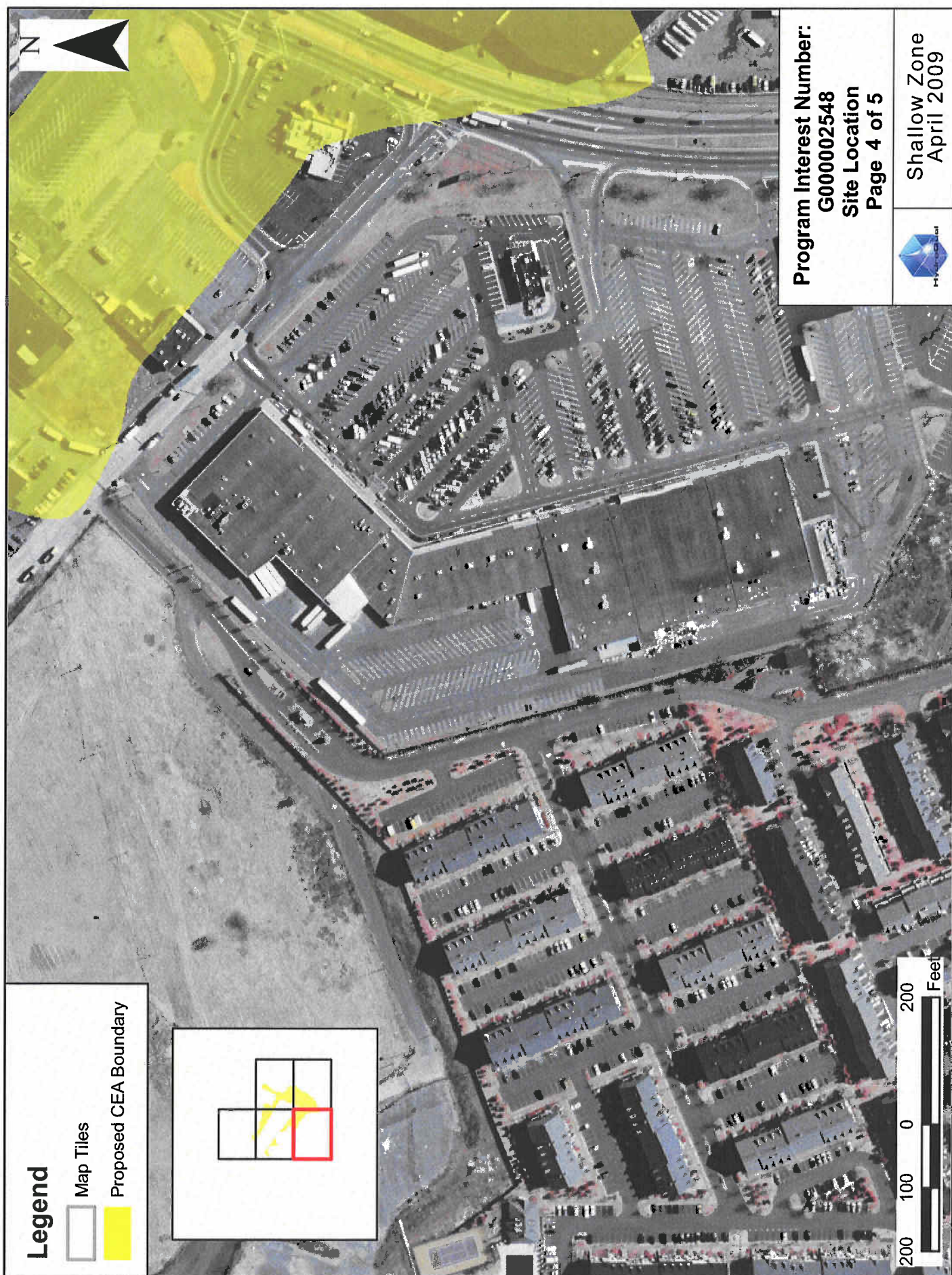
Program Interest Number:
G000002548
Site Location
Page 1 of 5



Shallow Zone
April 2009



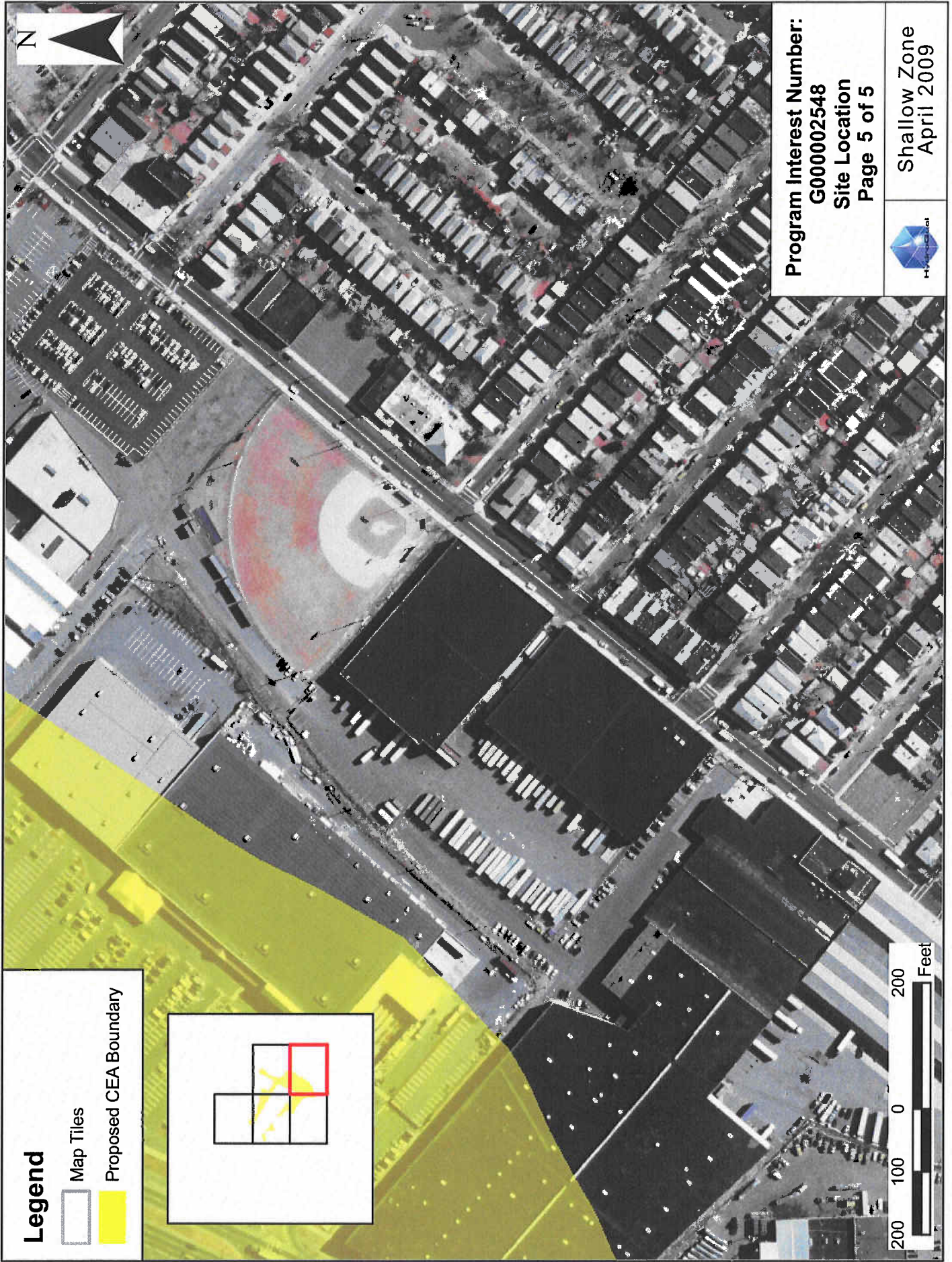




Program Interest Number:
G000002548
Site Location
Page 4 of 5

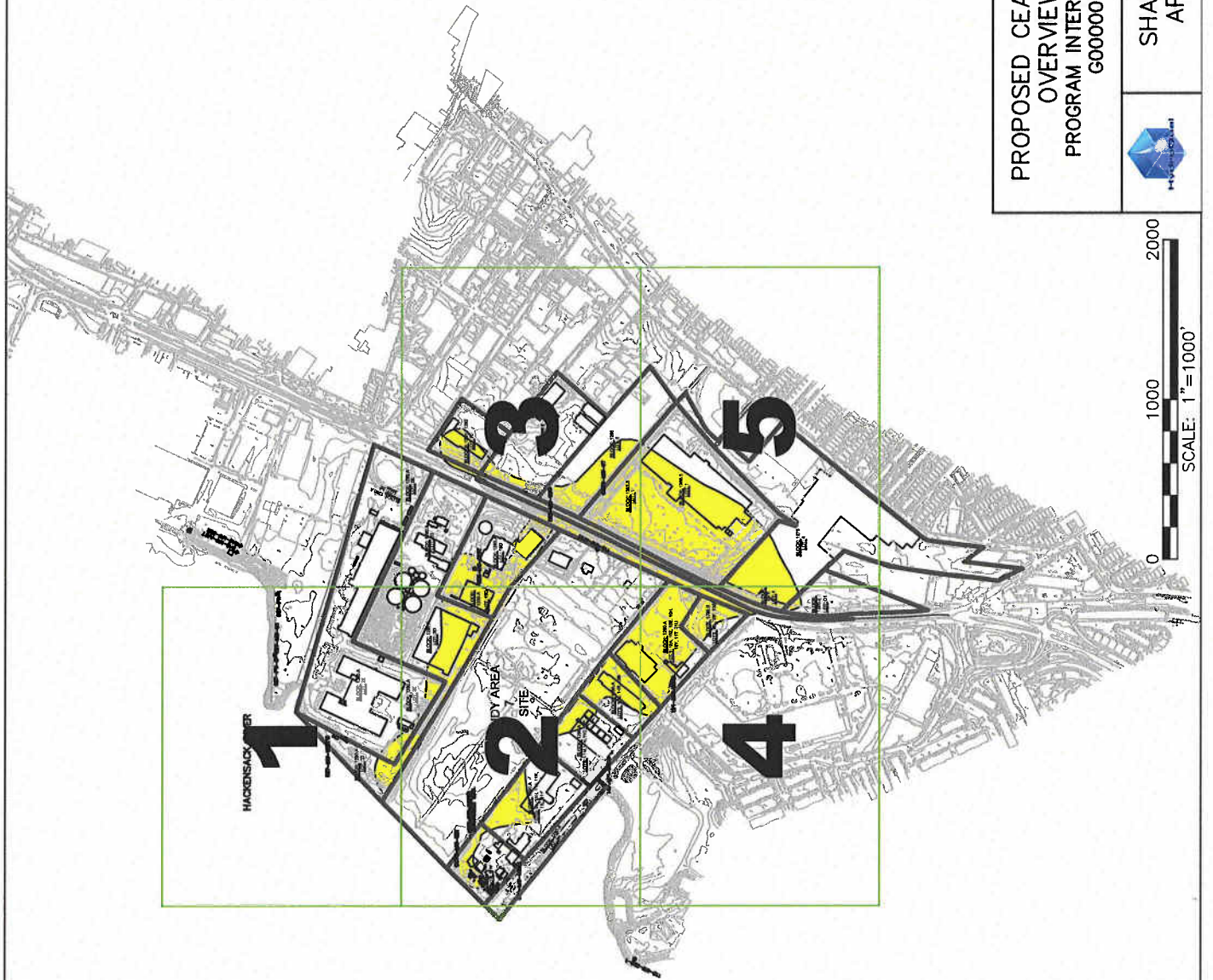


Shallow Zone
April 2009



CEA BOUNDARY

**EXISTING CONDITIONS AND
BLOCK & LOT INFORMATION MAPS**



PROPOSED CEA
BOUNDARY



TILE



EXISTING BUILDING



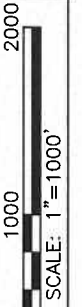
PROPERTY BOUNDARY



PROPOSED CEA BOUNDARY
OVERVIEW MAP
PROGRAM INTEREST NUMBER:
G000002548



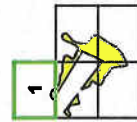
SHALLOW ZONE
APRIL 2009



HACKENSACK RIVER



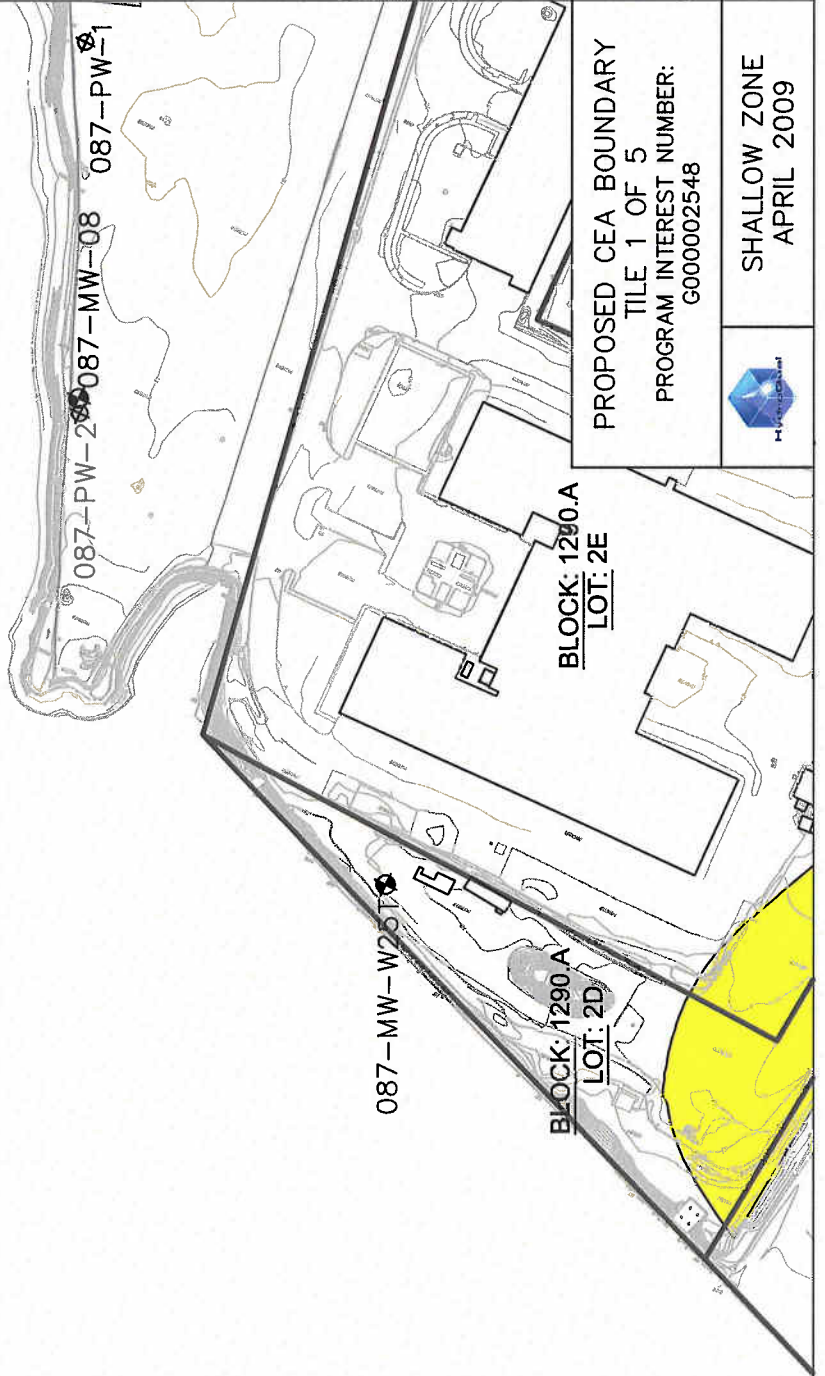
PROPOSED CEA
BOUNDARY



EXISTING WELL

EXISTING BUILDING

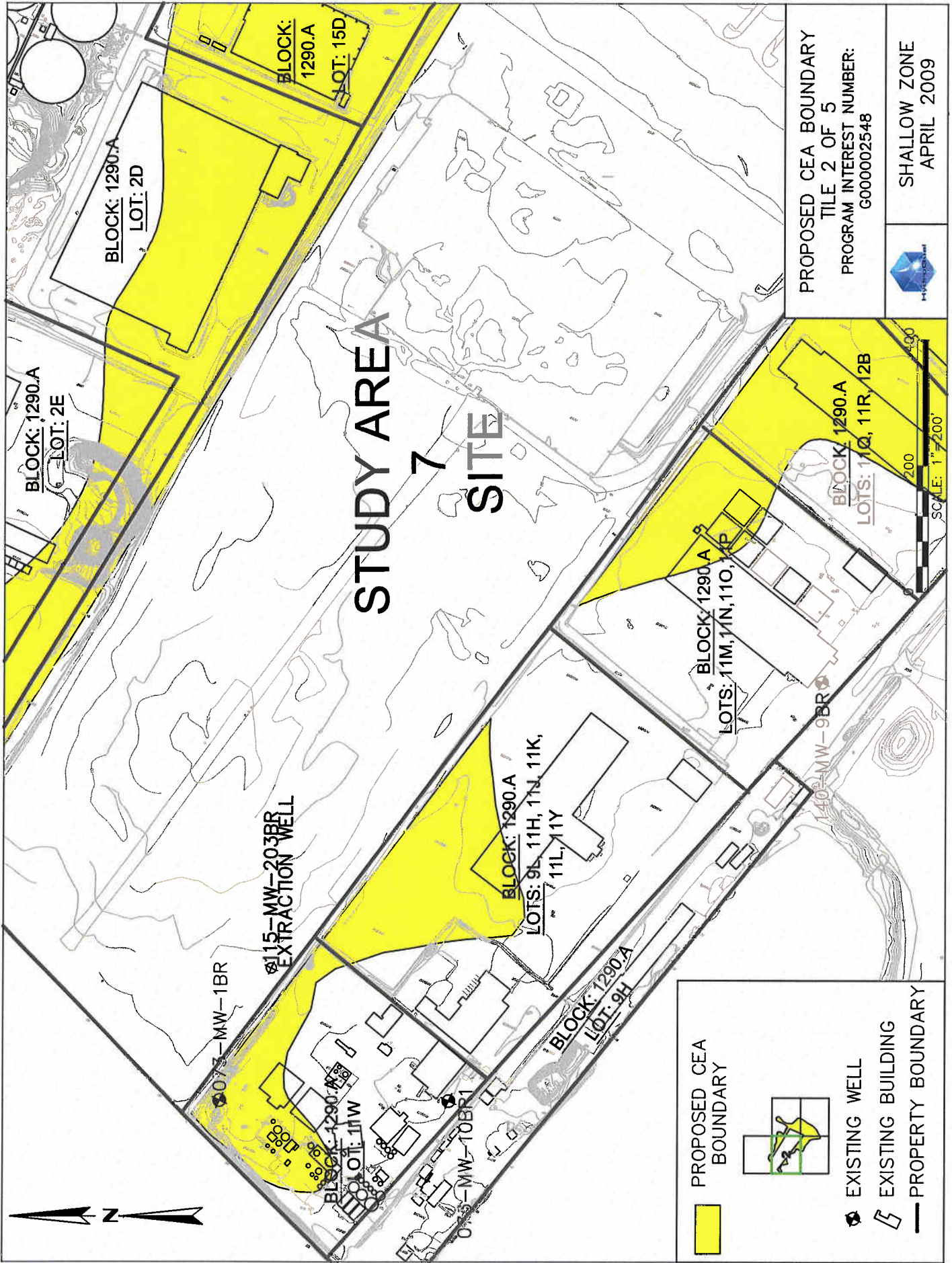
PROPERTY BOUNDARY

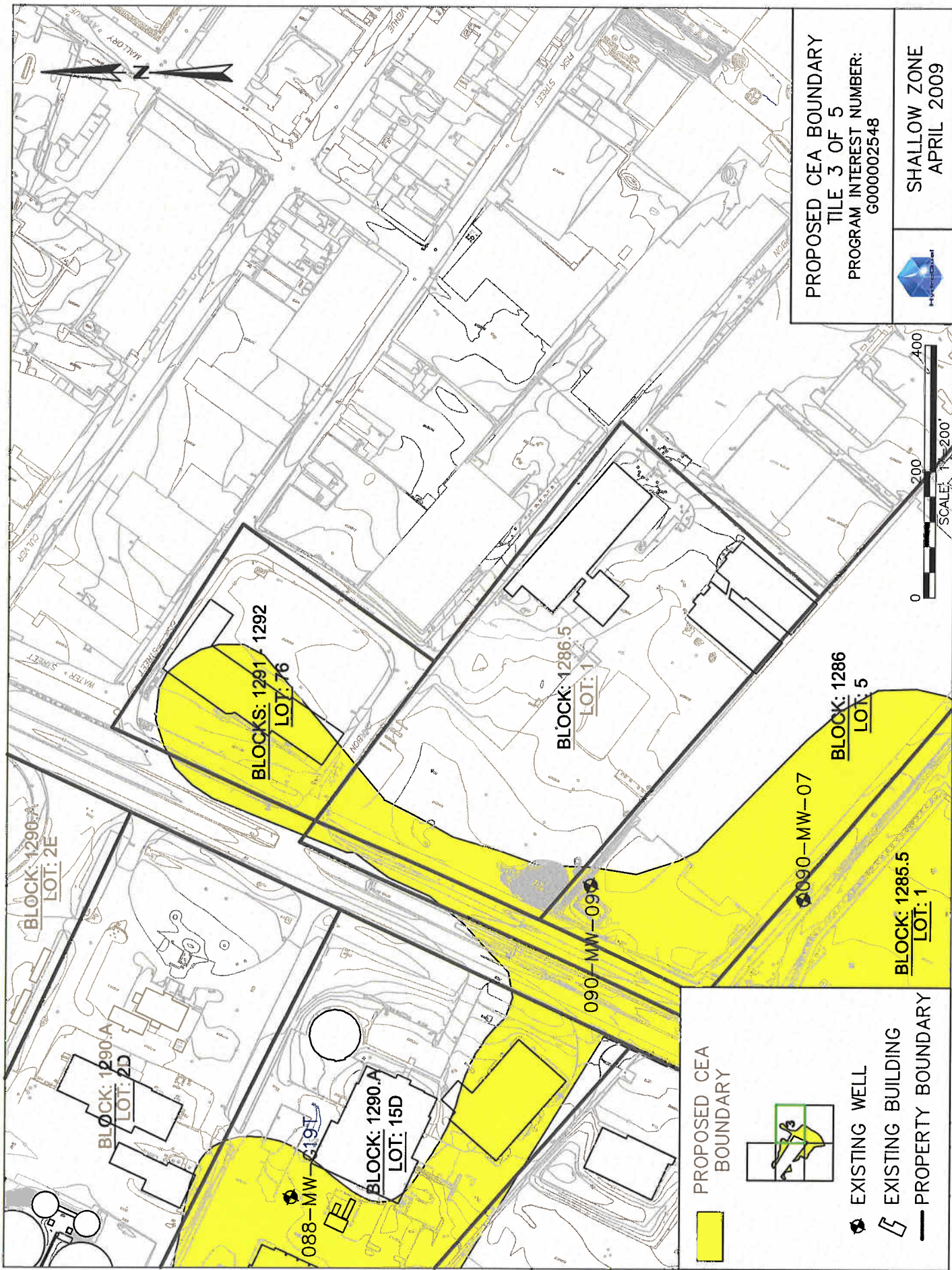


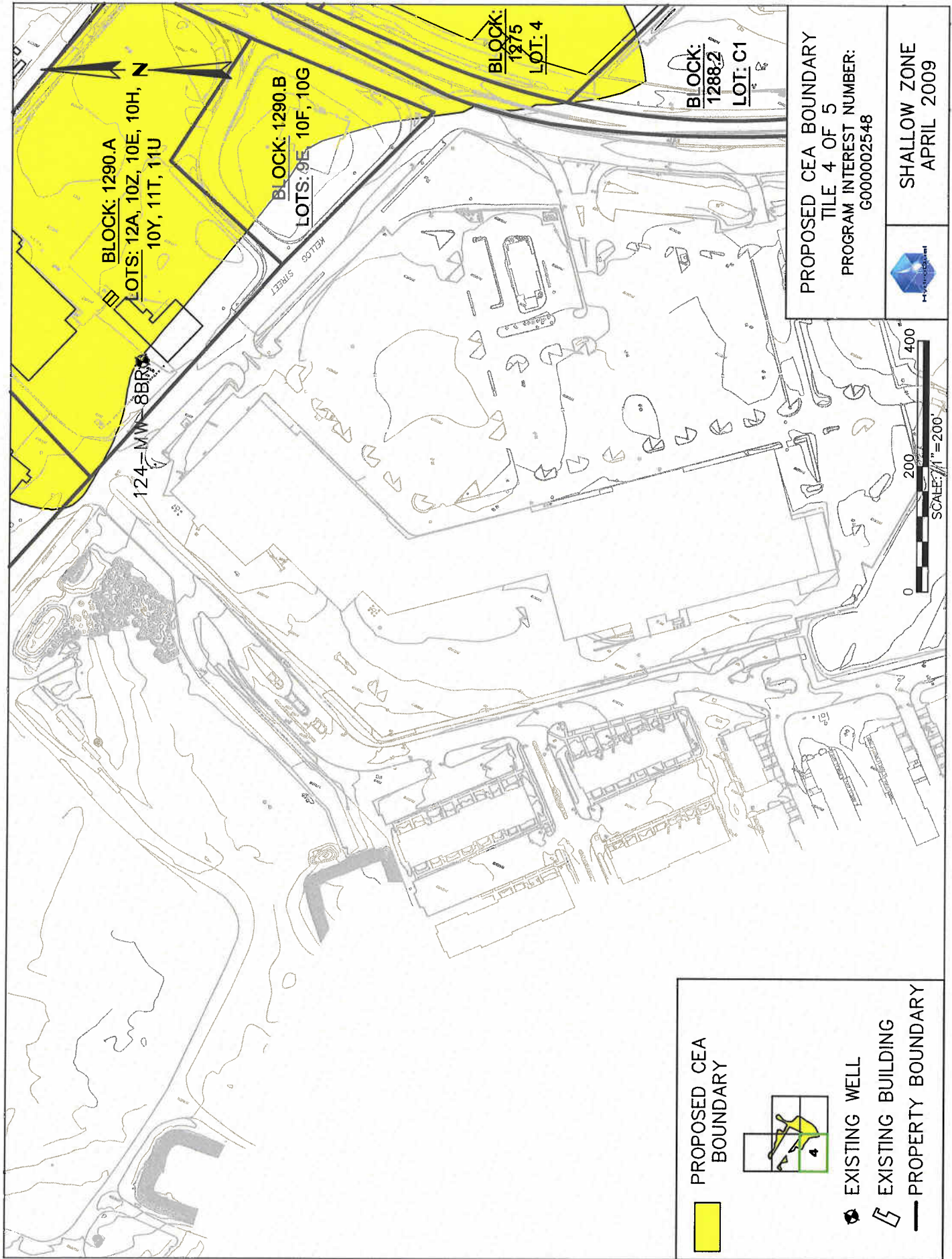
PROPOSED CEA BOUNDARY
TITLE 1 OF 5
PROGRAM INTEREST NUMBER:
G000002548

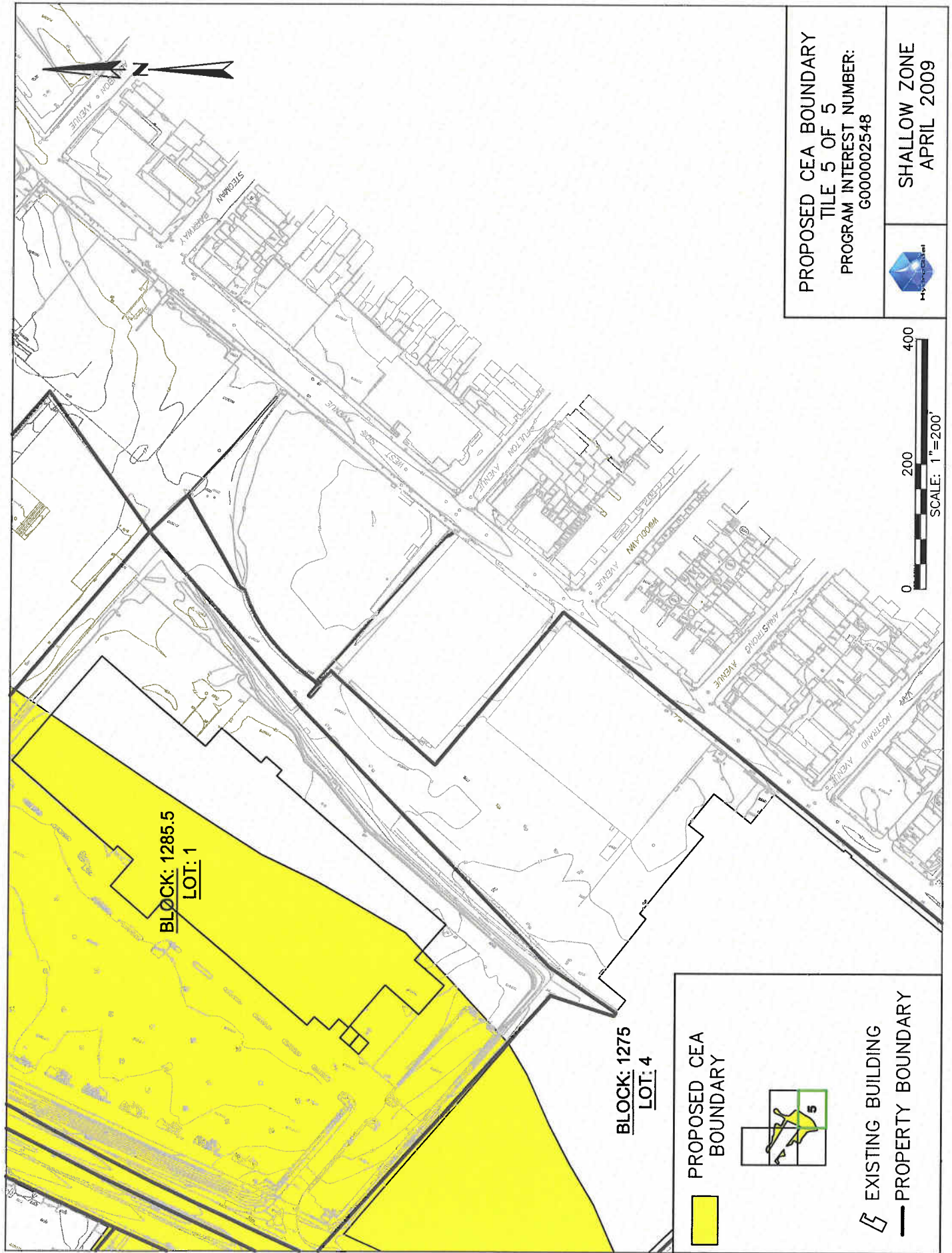


SHALLOW ZONE
APRIL 2009

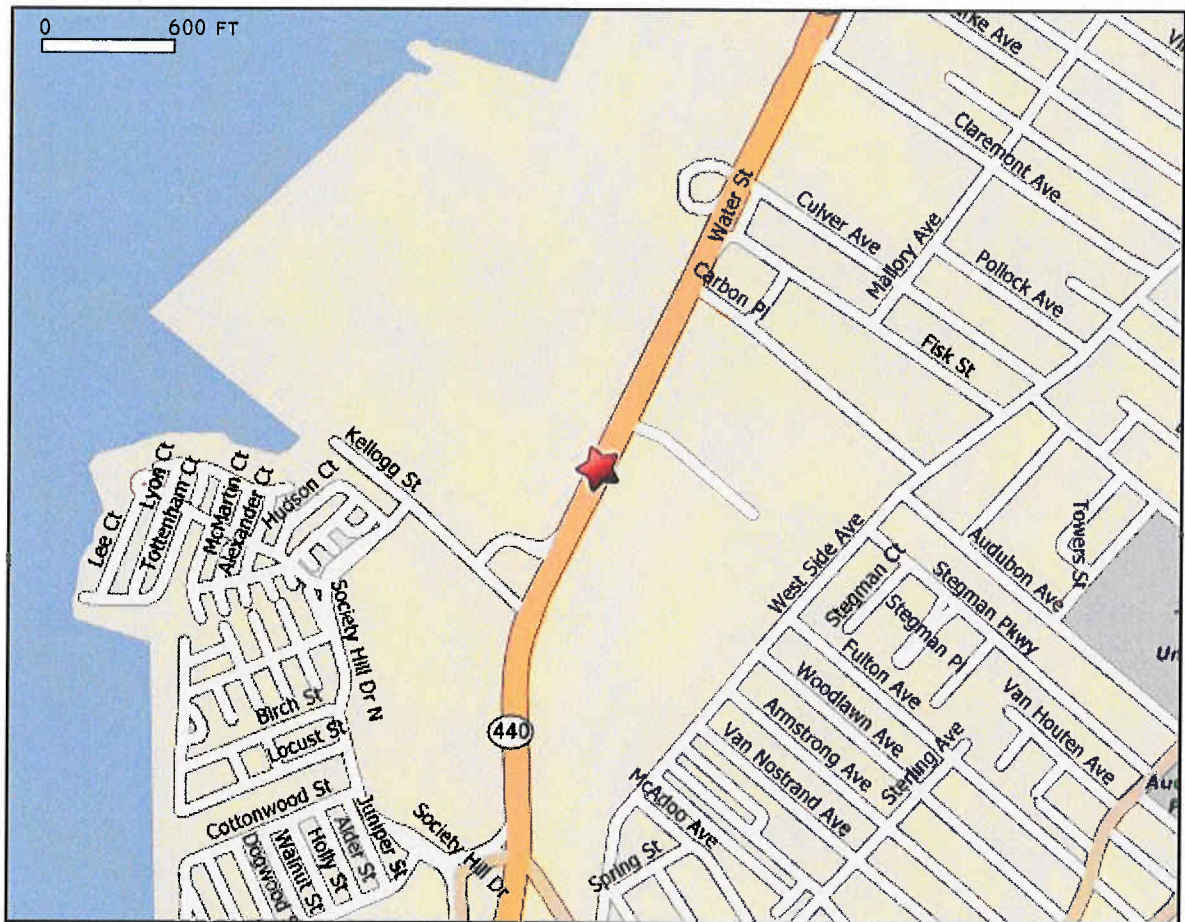








STREET MAP



© 2008 MAPQUEST, INC.
 MAP DATA © 2008 NAVTEQ OR TELEATLAS



HYDROQUAL, INC.
 1200 MACARTHUR BOULEVARD
 MAHWAH, NEW JERSEY 07430
 (201) 529-5151 F: 529-5728

STREET MAP
VICINITY OF SITE I15 CEA
 PROGRAM INTEREST NUMBER: G000002548

HONEYWELL STUDY AREA 7
 JERSEY CITY, NJ

**DIGITAL MAP SUBMISSIONS
SITE INFO FILE
AND METADATA FILE**

Site Info File:

Site Name – Roosevelt Drive In (Site 115)

CSL ID# - G000002548

Lead Program ID# -

Lead Program – BCM

Street Address – 425, 445 & 465 Route 440

Municipality – Jersey City

County – Hudson

Start Date – 6/1/09

Duration – Indeterminate

Contaminants –Chromium (Total), Chromium (Hexavalent)

CEA Depth – 20 feet

Metadata Information for Groundwater CEA (Shallow Fill)
Program Interest Number: G000002548
Jersey City, New Jersey

1. IDENTIFICATION INFORMATION

1.1. DESCRIPTION

The maps represent the area on and adjacent to the Roosevelt Drive In (Site 115) in Jersey City, New Jersey for which a groundwater Classification Exception Area (CEA) has been proposed for the shallow fill aquifer. The site location and CEA boundary for shallow groundwater is illustrated on the identified maps.

CSL#: G000008742 (from KCSNJ)

Site Name (from KCSNJ): Roosevelt Drive In (Site 115); 425, 445 & 465 Route 440, Jersey City, New Jersey.

1.1.1. ABSTRACT

The "CEA_shallow.xxx" are a set of four (4) ESRI Shapefiles that illustrate the boundaries of the Classification Exception Area (CEA) at Site 115 in Jersey City, New Jersey. The files contain the polygon shapefile and associated files showing the extent of the CEA boundary for groundwater in the shallow water-bearing zone (fill material) that contains total chromium in excess of the NJDEP Class II-A Ground Water Quality Standards (GWQS).

1.1.2. PURPOSE/BRIEF DESCRIPTION

The four (4) ESRI Shapefiles, "CEA_shallow.xxx", illustrate the boundaries of the Classification Exception Area (CEA) for the shallow fill at Site 115 in Jersey City, New Jersey.

1.1.3. SUPPLEMENTAL INFORMATION

The following files are provided on the diskette:

CEA_shallow.shp – ArcView shapefile
CEA_shallow.dbf – ArcView attribute table
CEA_shallow.prj – ArcView projection file
CEA_shallow.shx – ArcView index file

cea_metafile_shallow_final.doc – metadata information for GIS maps.

cea_site_info_file_shallow.doc – support information for CEA

1.1.4. CURRENTNESS REFERENCE

The maps are representative of current conditions as of June 2008.

.....

2. DATA QUALITY INFORMATION

2.1. ATTRIBUTE ACCURACY

The shapefile CEA_shallow.shp was digitized using the 2002 orthophotography available from the State of New Jersey Office of Information Technology. The orthophotos and resulting CEA boundary are georeferenced to NJ State Plane, NAD 1983, Feet.

2.2. QUANTITATIVE ATTRIBUTE ACCURACY ASSESSMENT

The CEA boundary has been plotted on the georeferenced USGS topographic map to assess the positional accuracy of the files.

2.3. COMPLETENESS REPORT

There were no known omissions in the construction of the data sets.

2.4. LINEAGE

ESRI ArcGIS was used to view the orthophotos and digitize the CEA boundary based on measured values at sampling wells.

2.5. SOURCE SCALE DENOMINATOR

2400

2.6. TYPE OF SOURCE MEDIA

Online

SOURCE CURRENTNESS REFERENCE

2002

2.7. PROCESS DATE

April 2009

.....

3. SPATIAL DATA ORGANIZATION INFORMATION

3.1. DIRECT SPATIAL REFERENCE METHOD

Vector data, with polygons.

.....

4. SPATIAL REFERENCE INFORMATION

4.1. GRID COORDINATE SYSTEM

NJ State Plane

4.2. HORIZONTAL DATUM NAME

NAD 83

.....

5. ATTRIBUTE INFORMATION

5.1. ATTRIBUTE LABEL: CEA_shallow.shp

.....

6. METADATA REFERENCE INFORMATION

6.1. METADATA DATE: 4/20/09

6.2. METADATA CONTACT: William G. Soukup P.G.

.....

7. CITATION INFORMATION

7.1. ORIGINATOR

HydroQual Inc. – William G. Soukup P.G.

7.2. TITLE

CEA Boundary for Shallow Fill, Site 115, Jersey City, New Jersey

7.3. AUTHOR'S NOTES

Prepared by HydroQual, Inc., 1200 MacArthur Boulevard, Mahwah, NJ
Prepared for Honeywell International Inc.

.....

8. CONTACT INFORMATION

8.1. CONTACT PERSON (PRIMARY)

John J. Morris, P.E.

8.2. CONTACT ORGANIZATION

Honeywell International Inc.

8.3. CONTACT ADDRESS

101 Columbia Road
Morristown, NJ 07962

8.4. CONTACT VOICE TELEPHONE

(973) 455-4003
john.morris@honeywell.com

8.5. CONTACT PERSON (SECONDARY)

Brian George
HydroQual, Inc.
1200 MacArthur Boulevard
Mahwah, NJ 07430
(201) 529-5151 x 7203

APPENDIX S

ADDENDUM REGISTER

STUDY AREA 5 REMEDIAL ACTION REPORT

FORMER BALDWIN STEEL SITE (NJDEP SITE 090)

FORMER MI HOLDINGS SITE (NJDEP SITE 184)

PORTION OF FORMER MORRIS CANAL SITE (NJDEP SITE 153 NORTHERN SEGMENT)

JERSEY CITY, NEW JERSEY

| DATE | ADDENDUM REGISTER | | | | | CONTRACT NO. | MACTEC PROJECT NO. |
|--|---|---|---|--------------|-----------|----------------------------------|---|
| 2/3/11 | | | | | | HW PO#5207682 | 3480100023 |
| SA-5 NJCU Site Remediation HONEYWELL SITE ID'S – 37288, 37811, and 37460 JERSEY CITY, NEW JERSEY | | SEVENSON ENVIRONMENTAL SERVICES MACTEC ENGINEERING AND CONSULTING HONEYWELL | | | | | |
| ADDENDUM NUMBER | TITLE | DWG REF | DESCRIPTION | CHANGE ORDER | ISSUED ON | INTERNAL DISTRIBUTION FOR REVIEW | EXTERNAL DISTRIBUTION POST SIGN-OFF BY JOE CLIFFORD |
| a. | b. | c. | d. | e. | f. | g. | h. |
| Addendum 001 | Method Options for Application of Sealant | N/A | This addendum discusses the various method options for applying sealant. It also says that Note 23 will be added to the General Notes on DWG S-001. | N/A | 8/13/10 | Standard list* | No further distribution required per Honeywell. (See email from J. Clifford dated: 10/6/2010. |
| Addendum 002 | Sewer line changes | C110 Rev. 1 & C305 Rev. 1 | <p>DRAWING # C 110</p> <ul style="list-style-type: none">• Home Depot Sewer lateral new alignment and manhole locations.• Notes on abandonment of existing Home Depot sewer line and manhole <p>DRAWING # C 305</p> <ul style="list-style-type: none">• BMUA forcemain detail• added PSEG line location• Clarified wooden mat lengths• Modified Home Depot Sewer lateral grades and manhole locations• Added dimension for setting Parking Bumpers. <p>Manhole 5-1 location on Home Depot lateral now matches NJCU/Langan design.</p> <p>New alignment avoids NJCU Maintenance Building and known utilities.</p> <p>Parking Bumper Dimensions based on advice from NJCU (Harry Baker)</p> <p>BMUA Crossing added notes and details to clarify existing conditions and timber mat requirements.</p> | N/A | 8/26/10 | Standard list* | No further distribution required per Honeywell. (See email from J. Clifford dated: 10/6/2010. |

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| SA-5 NJCU Site Remediation HONEYWELL SITE ID'S – 37288, 37811, and 37460 JERSEY CITY, NEW JERSEY | | SEVENSON ENVIRONMENTAL SERVICES MACTEC ENGINEERING AND CONSULTING HONEYWELL | | | | | |
| ADDENDUM NUMBER | TITLE | DWG REF | DESCRIPTION | CHANGE ORDER | ISSUED ON | INTERNAL DISTRIBUTION FOR REVIEW | EXTERNAL DISTRIBUTION POST SIGN-OFF BY JOE CLIFFORD |
| Addendum 003 | Sewer line changes | See next column for full list | <p>Negotiation of the FHA permit required revision to the Final Grading and Surface Treatments. These changes required elimination of CB-56 at the corner of Carbon Place and Route 440 and re-grading from the BMUA FM to direct flow back into the interior of the site. These changes in turn impacted the 100 year flood hazard line.</p> <p>The re-grading impacts Final Grades, CAOC subgrade and cut off levels on the sheetpile.</p> <p>In addition, this addendum also includes the construction water discharge routing included in the approved TWA.</p> <p>The following drawings were impacted by these changes:</p> <ul style="list-style-type: none">• C-101- 100 year flood hazard line and Post Remediation condition table.• C-102-Construction water discharge added.• C-104- Final Grade, subgrade and sheetpile wall cut off on sections• C-105 Subgrade elevations driven by Final Grade changes• C-107 Subgrade elevations driven by Final Grade changes• C-109 Final Grading, Post Remediation table conditions, Flood Hazard line• C-110 Final Grading• C-111 Final Grading <p>Note: CB 56 is a DOT Catch Basin previously shown as being relocated on C-109 and removed on CH-001. This addendum clarifies that removal is required.</p> | N/A | 10/4/10 | Standard list* | No further distribution required per Honeywell. (See email from J. Clifford dated: 10/6/2010. |

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| ADDENDUM NUMBER | TITLE | DWG REF | DESCRIPTION | CHANGE ORDER | ISSUED ON | INTERNAL DISTRIBUTION FOR REVIEW | EXTERNAL DISTRIBUTION POST SIGN-OFF BY JOE CLIFFORD |
| Addendum 004 | Haz and non-haz designations. | No dwg reference | The information that was in this addendum was distributed and used but it never became a finalized document officially. | N/A | | Distributed to MACTEC and Sevenson | No further distribution required per Honeywell. (See email from J. Clifford dated: 10/6/2010. |
| Addendum 005 | Sewer line changes | C110 Rev. 4 & C305 Rev. 2 | Revised invert on MH-112 Sheet 12: DRAWING # C 110 – Showing revisions 3 and 4 <ul style="list-style-type: none">• Revised grading• Revised sewer location• Added manhole and realigned lateral to avoid obstructions Sheet 18: DRAWING # C 305 – Showing revisions 1 and 2 <ul style="list-style-type: none">• Detail “z”• Revised sewer profile• Modify sewer lateral profile to reflect additional manhole and length of pipe. | N/A | 9/14/10 | Standard list* | TBD by Joe Clifford |
| Addendum 006 | Chromium Impacted Soils Location and Use | Pile Volumes Figure | Revision needed to Specification Section 02315 (Earthwork). A drawing is available showing the locations of the piles. | N/A | 9/17/10 | Standard list* | TBD by Joe Clifford |

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| ADDENDUM NUMBER | TITLE | DWG REF | DESCRIPTION | CHANGE ORDER | ISSUED ON | INTERNAL DISTRIBUTION FOR REVIEW | EXTERNAL DISTRIBUTION POST SIGN-OFF BY JOE CLIFFORD |
| Addendum 007 | Revisions to Specificaton Section 02315 (Earthwork) | N/A | Add the new paragraph 2.11: 2.11 Demarcation Layer A. A demarcation layer, (snow fence, geotextile, or similar), will be placed in the bottom of all the 5 parts per million (ppm) excavation areas, in accordance with the Consent Decree. B. The commercial Area of Concern (AOC) cap will include a distinctively colored demarcation layer with warning language in Spanish and English in accordance with consent decree. Delete existing paragraph 3.08 and replace with the following: 3.08 Post-ExcavationVerification/ Confirmation Sampling A. Post-excavation verification/confirmation sampling will only specified by the Engineer; however, the Contractor shall not begin backfilling excavations prior to review and acceptance by the Engineer. | N/A | 9/27/10 | Standard list* | No further distribution required per Honeywell. (See email from J. Clifford dated: 10/6/2010. |
| Addendum 008 | Revisions to the design drawings | <ul style="list-style-type: none">• C-110: Rev. 6• C-305: Rev. 3• D-601: Rev. 1• E-301: Rev. 1• E-302: Rev. 1• G-002: Rev. 1 | <ul style="list-style-type: none">• C-110: Modified plan to reflect revisions in piping alignment for Groundwater Treatment System (GTS).• C-305: Edited to illustrate changes in discharge piping from GTS.• D-601: Edited to illustrate treatment building details• E-301: Edited to reflect detail modifications for conduit details and GTS building details.• E-302: Edited to reflect detail modifications for GTS building.• G-002: Added a new note addressing the potential future need for a French drain. | N/A | 12/10/10 | Circulated by Brent and Joe | Addenda 8 released to contractors. |

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| SA-5 NJCU Site Remediation HONEYWELL SITE ID'S – 37288, 37811, and 37460 JERSEY CITY, NEW JERSEY | | SEVENSON ENVIRONMENTAL SERVICES MACTEC ENGINEERING AND CONSULTING HONEYWELL | | | | | |
| ADDENDUM NUMBER | TITLE | DWG REF | DESCRIPTION | CHANGE ORDER | ISSUED ON | INTERNAL DISTRIBUTION FOR REVIEW | EXTERNAL DISTRIBUTION POST SIGN-OFF BY JOE CLIFFORD |
| Addendum 009 | Revisions to the design drawings | <ul style="list-style-type: none">• C-103: Rev. 2• C-104: Rev. 2• C-303: Rev. 2 | <ul style="list-style-type: none">• C-103 Revised excavation contours in Building 6 area• C-104 Modified cross sections to match revised contours• C-303 Edited details to reflect drainage blanket elimination. | Changes result in reduction in work scope and associated costs, as defined by Change Order. | 1/5/11 | Standard list* | Addenda 8, 9, 10 went to Arnold Porter, Carpenter Environmental, Disposal Safety, Honeywell, LeClariRyan, NJCU, and TPM with a cover memo. |
| Addendum 010 | Revisions to the design drawings | <ul style="list-style-type: none">• Sheet C-104: Rev. 3• Sheet C-105: Rev. 2• Sheet C-106: Rev. 1• Sheet C-107: Rev. 2 | <p>Since the increase in wall height will not adversely impact the remedy, Mactec is revising the cutoff wall elevation from the proposed range of 8.3 to 9.0 feet (amsl), to a uniform elevation of 12.0 feet (amsl) along the entire alignment. This change affects the following drawings:</p> <ul style="list-style-type: none">• Sheet C-104: Modified cross sections to match revised contours• Sheet C-105: Soil Excavation Plan• Sheet C-106: Cap Cross Sections• Sheet C-107: Cap Cross Sections <p>All other conditions of the contract shall remain in effect.</p> | Changes result in reduction in work scope and associated costs, as defined by Change Order. | 12/10/10 | Standard list* | Addenda 8, 9, 10 went to Arnold Porter, Carpenter Environmental, Disposal Safety, Honeywell, LeClariRyan, NJCU, and TPM with a cover memo not covering the Addendum numbers. Email from J. Clifford says no further distribution is required at this time. 1/6/2011 |
| Addendum 011 | | | | | | | |

| DATE | ADDENDUM REGISTER | | | | | CONTRACT NO. | MACTEC PROJECT NO. |
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| ADDENDUM NUMBER | TITLE | DWG REF | DESCRIPTION | CHANGE ORDER | ISSUED ON | INTERNAL DISTRIBUTION FOR REVIEW | EXTERNAL DISTRIBUTION POST SIGN-OFF BY JOE CLIFFORD |
| Addendum 012 | Descoping Filter Station/Permanent Groundwater Extraction System | <ul style="list-style-type: none">• C-110 Groundwater Extraction System: Rev. 7• D-601 Piping and Groundwater Treatment: Rev. 2• E-301 Backup Groundwater and Electrical: Rev. 2 | This addendum removes the GW treatment system from Severson’s work scope. Drawings and specifications are being revised to reflect this removal and the limits of Severson’s contract scope. 1. C-110 Groundwater Extraction System 2. D-601 Piping and Groundwater Treatment 3. E-301 Backup Groundwater and Electrical Edits to Sections 11318, 16932, 16962 to be provided at a later date. | Changes result in a reduction in work scope and any associated cost approved through the change order modification. | 3/16/11 | Standard list* | |
| Addendum 013 | Sump depth and Pavement Termination | <ul style="list-style-type: none">• C-109 Post Chromium Remediation Grading and Drainage Plan: Rev. 3 | Addendum 013 shows the change in the depth of sumps A and B and to show the change in pavement termination. A sketch is attached to the addendum that shows the new recommended depth of 36” on/off distance with a 4.4 gallon draw capacity for the proposed sump and Sheet C-109 showing the change in pavement | Changes in work scope will be addressed through change order modifications | 3/25/11 | Standard list* | |
| Addendum 014 | Liner changes as they relate to the utility corridors | <ul style="list-style-type: none">• C-105 CAOC CAP Subgrading Plan: Rev. 3 | Addendum 014 shows the liner depth adjustments as they relate to the new utilities corridors. Cross-Section C-2 on C-106 has not been updated to reflect these changes. | Changes in work scope will be addressed through change order modifications | 3/25/11 | Standard list* | |

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| 2/3/11 | | | | | | | |
| SA-5 NJCU Site Remediation HONEYWELL SITE ID'S – 37288, 37811, and 37460 JERSEY CITY, NEW JERSEY | | | SEVENSON ENVIRONMENTAL SERVICES MACTEC ENGINEERING AND CONSULTING HONEYWELL | | | | |
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| Addendum 015 | Liner and Sump Design Changes: | <ul style="list-style-type: none">• C-105/C-105A drawing continuation• C-106 Cap Cross Sections, Rev. 2• C-107 Cap Cross Sections, Rev. 3• C-303 Cap Details, Rev. 3• C-305 Civil Details, Rev. 4 | <p>Liner and Sump Design Changes:</p> <ul style="list-style-type: none">• Proposed limits of GCL• Limits of GDL• Liner changes as they relate to Utility Corridor, and change in elevation at sump A• Flatten slope of soil in utility corridor• Sump A and sump B depth• Removal of underdrain from sump A• Pitless adapter• CAOC proposed piezometer location | Changes in work scope will be addressed through change order modifications | Draft issued on 4/13/2011 | | |
| | | | | | | | |
| | | | | | | | |
| *Standard distribution list: | | | Plaintiffs: | | | | |

| DATE | ADDENDUM REGISTER | | | | | CONTRACT NO. | MACTEC PROJECT NO. |
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| ADDENDUM NUMBER | TITLE | DWG REF | DESCRIPTION | CHANGE ORDER | ISSUED ON | INTERNAL DISTRIBUTION FOR REVIEW | EXTERNAL DISTRIBUTION POST SIGN-OFF BY JOE CLIFFORD |
| Geoff Shallard Stu Bills Brent O'Dell Jonathan Valones Kinjal Shah John Poserina | Dave Ambrose Diane Harmon John Mojka Joe Clifford Stacy Collins | | NJCU | | | | |
| | | | Riverkeeper | | | | |

APPENDIX T

UNDERGROUND STORAGE TANK DOCUMENTATION

STUDY AREA 5 REMEDIAL ACTION REPORT
FORMER BALDWIN STEEL SITE (NJDEP SITE 090)
FORMER MI HOLDINGS SITE (NJDEP SITE 184)
PORTION OF FORMER MORRIS CANAL SITE (NJDEP SITE 153 NORTHERN SEGMENT)
JERSEY CITY, NEW JERSEY



State of New Jersey
DEPARTMENT OF COMMUNITY AFFAIRS
DIVISION OF CODES AND STANDARDS
BUREAU OF CONSTRUCTION PROJECT REVIEW
STATE BUILDINGS UNIT
PO Box 817
TRENTON NJ 08625-0817

CHRIS CHRISTIE
Governor

KIM GUADAGNO
Lt. Governor

LORI GRIFA
Commissioner

DATE: February 1, 2011

TO: ~~Andrew P. Christ, PE~~
~~Associate Vice President~~
New Jersey City University
Facilities & Construction Management
Division of Administration and Finance
2039 Kennedy Blvd.
Jersey City, NJ 07305

Khatmeh Osseiran-Henaa
Vice President for University
Advancement.

FROM: Richard Greenberg 
Supervisor
State Buildings Inspections Unit

Permit#: 11-0041
Project#: NA

SUBJECT: Certificate of Approval

AGENT/ Hill Environmental
CONTRACTOR:

Attached please find the Certificate of Approval for the project listed below:

**NEW JERSEY CITY UNIVERSITY
UST REMOVAL
ROUTE 440 & CARBON PLACE
JERSEY CITY, NJ**

RG:mh

Attachment

IDENTIFICATION

UCC NEW JERSEY
CERTIFICATEDate Issued 02/01/2011
Control #
Permit # 11-0041

Block NJCU Lot N/A Qual
Work Site Location ROUTE 440 & CARBON PLACE
Owner in Fee/Occupant NEW JERSEY CITY UNIVERSITY
Address 2039 KENNEDY BLVD.
JERSEY CITY, NJ 07305-
Telephone ()
Contractor HILL ENVIRONMENTAL
Address 19 BROOKSIDE AVE.
PENNINGTON, NJ 08534-
Telephone () Fax ()
Lic. No. or Beds. Reg. No.
Federal Emp. No. 22-3234314

☐ CERTIFICATE OF OCCUPANCY

This serves notice that acid building or structure has been constructed in accordance with the New Jersey Uniform Construction Code and is approved for occupancy.

☒ CERTIFICATE OF APPROVAL

This serves notice that the work completed has been constructed or installed in accordance with the New Jersey Uniform Construction Code and is approved. If the permit was issued for minor work, this certificate was based upon what was visible at the time of inspection.

☐ TEMPORARY CERTIFICATE OF OCCUPANCY/COMPLIANCE

If this is a Temporary Certificate of Occupancy or Compliance, the following conditions must be met no later than _____, or the owner will be subject to fine or order to vacate:

Home Warranty No. _____
Type of Warranty Plan: ☐ State ☐ Private
Use Group U
Maximum Live Load 0
Construction Classification
Maximum Occupancy Load 0
Description of Work/Use:

NEW JERSEY CITY UNIVERSITY - UST REMOVAL
ROUTE 440 & CARBON PLACE, JERSEY CITY, NJ

☐ CERTIFICATE OF CLEARANCE - LEAD ABATEMENT 5:17

This serves notice that based on written certification, lead abatement was performed as per NJAC 5:17, to the following extent:

☐ Total removal of lead-based paint hazards in scope of work
☐ Partial or limited time period (____ years); see file

☐ CERTIFICATE OF CONTINUED OCCUPANCY

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

☐ CERTIFICATE OF COMPLIANCE

This serves notice that acid potentially hazardous equipment has been installed and/or maintained in accordance with the New Jersey Uniform Construction Code and is approved for use until _____, _____.

Fee \$ _____ 0
Paid ☐ Check No. _____
Collected by: _____

CONSTRUCTION OFFICIAL
U.C.C. F260 (rev. 3/96) NJ UCCAMS 5.26

NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION



DIVISION OF REMEDIATION SUPPORT

UST Program • Registration and Billing Unit
PO Box 028, Trenton, N.J. 08625-0028
1-609-633-1464 • www.state.nj.us/dep/srp/bust

STATE USE ONLY

Check In ☐ Yes ☐ No

UNDERGROUND STORAGE TANK FACILITY CERTIFICATION QUESTIONNAIRE

FACILITY UST # (PROGRAM INTEREST ID):

020343

Completion of this Registration Questionnaire will satisfy the registration requirements of the Underground Storage of Hazardous Substances Act, N.J.S.A. 58:10A-21 *et seq.*, and the Underground Storage Tank Rules N.J.A.C. 7:14B *et. seq.*

Check appropriate box

- A. ☐ This is a registration of a proposed or newly installed underground storage tank. (This form must be filed at least 30 days prior to operation)
- B. ☒ This is a registration of an existing underground storage tank not presently registered.
- C. ☐ This is a correction or amendment to an existing facility registration. (Check type of change below)
- D. ☐ There have been no changes to the facility registration since last submittal. (Complete Section A, C & E)

If "C" is checked above, please check the appropriate type of change(s) below

- | | | |
|--|--|---|
| <input type="checkbox"/> Facility Name and/or Address Change | <input type="checkbox"/> Type of Product(s) Stored | <input type="checkbox"/> Financial Responsibility Change (Including Policy Renewal) |
| <input type="checkbox"/> Owner Name and/or Address Change | <input type="checkbox"/> Substantial Modification(s) (see 14B) | <input type="checkbox"/> Sale or Transfer (Complete entire form) |
| <input type="checkbox"/> Facility Operator and/or Address Change | <input type="checkbox"/> Tank(s) and/or Piping Changes | <input type="checkbox"/> Other (please specify) |
| <input type="checkbox"/> Owner Contact Person Change | <input type="checkbox"/> Closure (Complete Section B) | |
- Questions 1, 4, 5, 12C

SECTION A - GENERAL FACILITY INFORMATION

1. Facility Name New Jersey City University

2. Facility Location
Address Line 1 20139 Kennedy Boulevard
Address Line 2 _____
City or Municipality Jersey City
Hudson COUNTY NJ STATE 07305 ZIP CODE 12816 BLOCK LOT

3. Facility Operator New Jersey City University
ORGANIZATION (if applicable, e.g. Company) or INDIVIDUAL

Contact Person Andrew Christ PERSON 3191 TITLE VP Facilities Construct
2011 2010 3191 PHONE NUMBER (INCLUDE AREA CODE & EXT) _____ E-MAIL ADDRESS _____

Operator Address (if different than #2)
ADDRESS LINE 1 (NUMBER AND STREET) _____
ADDRESS LINE 2 (e.g. PO BOX, SUITE) _____
CITY OR MUNICIPALITY _____ STATE _____ ZIP CODE _____

4. Tank Owner (Organization) New Jersey City University

Contact Person Andrew Christ PERSON 3191 TITLE VP Facilities Construction
2011 2010 3191 PHONE NUMBER (INCLUDE AREA CODE & EXT) _____ E-MAIL ADDRESS _____

Tank Owner Address
ADDRESS LINE 1 (NUMBER AND STREET) _____
ADDRESS LINE 2 (e.g. PO BOX, SUITE) _____
Jersey City CITY OR MUNICIPALITY NJ STATE 07305 ZIP CODE _____

5. Billing Address: Check one below

☒ Same as Tank Owner address listed in Section A4.☐ Same as Facility Operator address listed in Section A3.☐ Other and attach billing address.6. Total number of regulated underground storage tanks at facility (Complete Section B for each tank unless there has been no change since last submittal)7. Total regulated underground storage capacity at facility (gallons) 8. Facility Type: A ☐ State C ☐ County/Municipal E ☒ Charitable / Public School G ☐ Farm (as defined in N.J.S.A. 54:4-23.1 et seq.)
B ☐ Commercial/Industrial D ☐ Federal F ☐ Residential**NOTE: The facility site plan must be submitted when registering any underground storage tank pursuant to N.J.A.C. 7:14B 2.2.****SECTION B - SPECIFIC TANK INFORMATION**ALL regulated underground storage tanks, including those taken out of operation (UNLESS THE TANK WAS REMOVED FROM THE GROUND PRIOR TO 9/3/86) must be registered. Report all tank/piping status changes. **DO NOT MARK SHADED AREAS**

| | TANK NO. | TANK NO. | TANK NO. | TANK NO. | TANK NO. |
|---|--------------|--------------|--------------|--------------|--------------|
| 1. Tank Identification Number | T-2 | T-1 | | | |
| 2. CAS Number (Hazardous substances only) | | | | | |
| 3. Date Tank Installed | Unknown | | | | |
| 4. Tank Size (gallons) - Please note that each compartment is considered a separate Tank System | 1000 | | | | |
| 5. Tank Contents (Mark one "X" for each tank) | | | | | |
| A. Leaded Gasoline | X | | | | |
| B. Unleaded Gasoline | | | | | |
| C. Alcohol Enriched Gasoline | | | | | |
| D. Light Diesel Fuel (No. 1-D) | | | | | |
| E. Medium Diesel Fuel (No. 2-D) | | | | | |
| F. Waste Oil | | | | | |
| G. Kerosene (No. 1) | | | | | |
| H. Heating Oil (No. 2) Complete 13C | | | | | |
| I. Heating Oil (No. 4) Complete 13C | | | | | |
| J. Heating Oil (No. 6) Complete 13C | | | | | |
| K. Aviation Fuel | | | | | |
| L. Motor Oil | | | | | |
| M. Lubricating Oil | | | | | |
| N. Automatic Transmission Fluid | | | | | |
| O. Hazardous Waste (Specify ID Number) | | | | | |
| P. Coolant/Antifreeze | | | | | |
| Q. Other (please specify) | | | | | |
| 6. Tank & Piping Construction (Mark at least one each for Tank and Piping) | | | | | |
| A. Bare steel | X | X | | | |
| B. Cathodically Protected Metal (Mark SA or IC) | | | | | |
| 1. Sacrificial Anode (SA) | Mo. Day Year | Mo. Day Year | Mo. Day Year | Mo. Day Year | Mo. Day Year |
| *Date Sacrificial Anode Installed (TANK ONLY) | Mo. Day Year | Mo. Day Year | Mo. Day Year | Mo. Day Year | Mo. Day Year |
| 2. Impressed Current (IC) | Mo. Day Year | Mo. Day Year | Mo. Day Year | Mo. Day Year | Mo. Day Year |
| *Date Impressed Current Installed (TANK ONLY) | Mo. Day Year | Mo. Day Year | Mo. Day Year | Mo. Day Year | Mo. Day Year |
| C. Fiberglass-Coated Steel (TANK ONLY) | | | | | |
| D. Fiberglass-Reinforced Plastic | | | | | |
| E. Internally Lined (TANK ONLY) | Mo. Day Year | Mo. Day Year | Mo. Day Year | Mo. Day Year | Mo. Day Year |
| *Date Internal Lining Installed | Mo. Day Year | Mo. Day Year | Mo. Day Year | Mo. Day Year | Mo. Day Year |
| F. Other (Please specify) (Include Brand Name) | | | | | |
| 7. Piping Operation (Mark one for each tank system) | | | | | |
| A. Pressurized Piping (PIPING ONLY) | | | | | |
| B. American Suction Piping (PIPING ONLY) | | | | | |
| C. European Suction Piping (PIPING ONLY) | | | | | |
| D. Supply/Return (Heating Oil Piping Only) | | | | | |
| 8. Tank & Piping Structure (Mark one for each TANK & PIPING) | | | | | |
| A. Single Wall | X | X | | | |
| B. Double Wall | | | | | |
| C. Secondary Containment (e.g. Externally Lined) | | | | | |
| 9. Type of Monitoring/Detection (Mark all that apply for TANK & PIPING) | | | | | |
| A. Statistical Inventory Reconciliation | | | | | |
| Vendor Name & Phone Number | | | | | |
| B. Manual Tank Gauging (TANK ONLY) | | | | | |
| C. Inventory Control (TANK ONLY) | | | | | |
| D. Interstitial | | | | | |
| E. Tightness Test | | | | | |
| F. Ground Water Observation Wells | | | | | |
| G. Vapor Observation Wells | | | | | |
| H. In-Tank (Auto Monitoring Gauge) (TANK ONLY) | | | | | |
| I. In-Line Electronic Pressure Monitor (PIPING ONLY) See Definition Page 4 | | | | | |
| J. Automatic Line Leak Detector (PIPING ONLY) See Definition Page 4 | | | | | |
| K. None (TANK & PIPING) | X | X | | | |

| Tank Identification Number | TANK NO. | TANK NO. | TANK NO. | TANK NO. | TANK NO. |
|---|-------------------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| 10. Overfill Protection (Mark one X for each tank) | <input checked="" type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| A. Yes | | | | | |
| B. No | <input checked="" type="checkbox"/> | | | | |
| 11. Spill Containment Around Fill Pipe (Mark one X for each tank) | | | | | |
| A. Yes | | | | | |
| B. No | <input checked="" type="checkbox"/> | | | | |
| 12. Tank Status Information (Mark appropriate choice for each tank) | | | | | |
| A. In-Use | | | | | |
| B. Out of Service (See Definition Page 4) | <input checked="" type="checkbox"/> | | | | |
| Date Taken Out of Service | Mo. Day Year | Mo. Day Year | Mo. Day Year | Mo. Day Year | Mo. Day Year |
| C. Closed | | | | | |
| 1. Removed | | | | | |
| Date Removed | Mo. Day Year | Mo. Day Year | Mo. Day Year | Mo. Day Year | Mo. Day Year |
| Closure # | | | | | |
| 2. Abandoned-In-Place | | | | | |
| Date Abandoned-In-Place | Mo. Day Year | Mo. Day Year | Mo. Day Year | Mo. Day Year | Mo. Day Year |
| Closure # | | | | | |
| 13. Tank Use Information (Mark if applicable) | | | | | |
| A. Emergency Back-up Generator | | | | | |
| B. Sump (See Definition Page 4) | | | | | |
| C. Heating Oil Tanks If you checked H, I or J under item B5 on Page 2, check one of the following | | | | | |
| 1. Product for on-site consumption use | <input checked="" type="checkbox"/> | | | | |
| 2. Product for sale or distribution | | | | | |
| 14. Other Information (Mark if applicable) | | | | | |
| A. Date of Sale or Transfer | Mo. Day Year | Mo. Day Year | Mo. Day Year | Mo. Day Year | Mo. Day Year |
| B. Substantial Modification # | | | | | |
| C. ISRA # | | | | | |
| 15. Is the tank within a wellhead protection area as defined on Page 4 (Mark for each tank) | | | | | |
| A. Yes | | | | | |
| B. No | <input checked="" type="checkbox"/> | | | | |

SECTION C - FINANCIAL RESPONSIBILITY

Please note: In addition to new submittals, any change in the Financial Responsibility Assurance Mechanism as per N.J.A.C. 7:14B 2.2 (including policy renewal date) for an existing facility shall be listed below.

| | |
|------------------------------------|------------------------------|
| Type of Mechanism (i.e. Insurance) | Carrier/Issuing Agency |
| Effective Date | Expiration Date |
| Policy Number | Amount of Aggregate Coverage |

SECTION D - GENERAL GUIDANCE

FEE: (If applicable) Please make check payable to: "Treasurer, State of New Jersey". Registration and Billing Fee Schedule can be found in N.J.A.C. 7:14B-3.

PENALTY: Failure by owner or operator of a regulated underground storage tank to comply with any requirement of 7:14B et. seq. may result in penalties set forth in N.J.S.A. 58:10A-12.

EMERGENCY: If a discharge or spill occurs, the NJDEP Hotline at (877) 927-6337 must be called **IMMEDIATELY** - 24 hours a day.

EXEMPTION: Residential heating oil underground storage tanks are exempt from the rules as per by N.J.S.A. 58:10A-21 et. seq. Please see N.J.A.C. 7:14B-1.4(b) for other exemptions.

PUBLICATIONS: Operation and maintenance / record keeping / compliance publications are available on line at www.state.nj.us/dep/srp/bust
Suggested Publications: "Underground and Storage Tank Owner's Self-inspection Checklist" and "Tank Care".

QUESTIONNAIRE: Initial facility registrations can be submitted online at www.njdeponline.com (Renewal and modifications need prior DEP pin code approval to submit online).

MAILING: UST Registration Certificates are mailed directly to the facility to be displayed prominently as per N.J.A.C. 7:14B-2.6

SECTION E - CERTIFICATION

Must be signed as follows:

- For a corporation, by a person authorized by resolution of the Board of Directors to sign the document.
- For a partnership or sole proprietorship, by a general partner or the proprietor, respectively.
- For a municipality, State, Federal or other public agency, by either a principal executive officer or ranking elected official.
- For persons other than indicated above, by the person with legal responsibility for the site.

"I certify under penalty of law that I have personally examined and am familiar with the information submitted in this application and all attached documents, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate and complete. I am aware that there are significant civil penalties for knowingly submitting false, inaccurate or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any statute, I am personally liable for the penalties.

(Typed / Printed Name)

(Signature)

(Title)

(Date)

Facility UST #

SECTION F - DEFINITIONS

Section B7 C. "European" Suction Piping - Suction piping which has enough slope so that the product in the pipe can drain back into the tank when the suction is released, and which has only one check valve, located directly beneath the pump in the dispensing unit. Any underground storage tank equipped with "European" Suction Piping has no monitoring detection requirements for piping.

Section B9 I. In-Line Electronic Pressure Monitor - (Used with pressurized piping only) A monitor which checks for loss of pressure within piping when no product is dispensed. This method may be used once every 30 days or every time the dispenser turns off.

Section B9 J. Automatic Line Leak Detectors - (Used with pressurized piping - Must be able to detect a 3 gph leak within 1 hour of its occurrence). Types of detectors are:

1. Flow restrictors and flow shut offs which monitor pressure within piping. When a suspected leak is detected, either restricts the flow of product through the piping well below the 3 gph leak rate it detects, or completely cuts off product flow and shuts down the pump.
2. Continuous alarm systems which constantly monitor piping conditions and trigger an audible or visual alarm if a leak is suspected.

Section B12 B. Out of Service Storage Tank - Any underground storage tank system in which hazardous substances are contained or have been contained, but from which hazardous substances are not or have not been introduced or dispensed pending a decision to close the system or begin reuse of the system.

Please Note: Underground storage tank systems which are out of service shall comply with the provisions of N.J.A.C. 7:14B-9-1. The owner or operator of an underground storage tank system which is out of service for a period greater than three months shall follow the guidelines in the current American Petroleum Institute Bulletin #1604. The owner or operator may request that the underground storage tank system remain out of service for a period of more than 12 months without having to permanently close the tank system by complying with the provisions of N.J.A.C. 7:14B-9.1(b) by submitting a Site Investigation (SI) Report at least 30 days before expiration of the 12 month period.

Section B13 B. Sump - Any underground storage tank used to collect or contain a hazardous substance for no more than 48 hours.

Section B15 Wellhead Protection Area -

1. The area within a 2,000 ft. radius surrounding a public community or public non-community water system well when there is an underground storage tank containing gasoline or non-petroleum hazardous substances located within that area.
2. The area within a 750 ft. radius surrounding a public community or public non-community water system well when there is an underground storage tank containing petroleum products other than gasoline located within that area.

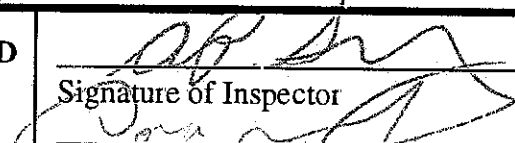
STATE OF NEW JERSEY
DEPARTMENT OF COMMUNITY AFFAIRS
DIVISION OF CODES AND STANDARDS
BCPR / STATE BUILDINGS UNIT

PAGE 1 of _____

DATE SCHEDULED 1-31-11 TIME _____
AREA(S) INSPECTED: UST Removal

Inspection Report No. 2
For Information Call: (609) 633-7399 or 777-4521
DCA Project/Permit No. 11-041
Project: NSCU
West Side Development

| ITEM | CODE REFERENCE | COMMENTS |
|------|-------------------|---|
| | | Received copy of tank disposal waste disposal (contents drums) |
| | | |
| | | No holes in tank, no contaminated soil |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

| | | | |
|---|---|---------------------------|------------------------|
| WORK INSPECTED <input type="checkbox"/> Building <input type="checkbox"/> Electrical <input type="checkbox"/> Plumbing <input checked="" type="checkbox"/> Fire <input type="checkbox"/> Mechanical |  Signature of Inspector | DCA <u>8458</u> Lic. # | <u>1-31-11</u> Date |
| | Signature of Person in Charge | Representing | Date |
| | Signature of Contractor | Representing | Date |
| | | | |

| INSPECTION TYPE | REMARKS | THE RECOMMENDATION BELOW IS NOT VALID UNTIL A CERTIFICATE IS ISSUED BY STATE BUILDINGS UNIT OFFICE. |
|--|---|---|
| <input type="checkbox"/> Code <input type="checkbox"/> Requested <input type="checkbox"/> Test <input type="checkbox"/> Reinspection <input type="checkbox"/> Progress / Ongoing <input type="checkbox"/> Rough <input type="checkbox"/> Electric Service <input type="checkbox"/> Elevator <input checked="" type="checkbox"/> Final <input checked="" type="checkbox"/> Annual | <input type="checkbox"/> Item No. _____ Requires Immediate Attention <input type="checkbox"/> Reinspection / Test Required <input type="checkbox"/> Partial Approval Area _____ <input type="checkbox"/> Cut-In Card Issued <input type="checkbox"/> Temporary <input checked="" type="checkbox"/> Work Approved <input type="checkbox"/> Work Not Approved <input type="checkbox"/> Other _____ | <input type="checkbox"/> C. O. <input checked="" type="checkbox"/> C. A. <input type="checkbox"/> T. C. O. <input type="checkbox"/> C. C. O. |

STATE OF NEW JERSEY
DEPARTMENT OF COMMUNITY AFFAIRS
DIVISION OF CODES AND STANDARDS
BCPR / STATE BUILDINGS UNIT

PAGE 1 of _____

DATE SCHEDULED 12-22-10 TIME _____
AREA(S) INSPECTED: UST Removal

Inspection Report No. 1
For Information Call: (609) 633-7399 or 777-4521
DCA Project/Permit No. _____
Project: NDICU
West Side Development

| ITEM | CODE REFERENCE | COMMENTS |
|------|----------------|--|
| | | Inspection of 1,000 gallon UST removal |
| | | |
| | | Need copies of tank scrap disposal |
| | | drum disposal manifests |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |
| | | |

WORK INSPECTED

- ☐ Building
☐ Electrical
☐ Plumbing
☒ Fire
☐ Mechanical

[Signature]
Signature of Inspector
[Signature]
Signature of Person in Charge
[Signature]
Signature of Contractor

DCA 8458 12-22-10
Lic. # _____ Date
Representing _____ Date
Representing _____ Date

| INSPECTION TYPE | REMARKS | THE RECOMMENDATION BELOW IS NOT VALID UNTIL A CERTIFICATE IS ISSUED BY STATE BUILDINGS UNIT OFFICE. |
|---|--|--|
| <input type="checkbox"/> Code <input type="checkbox"/> Requested <input type="checkbox"/> Test <input type="checkbox"/> Reinspection <input checked="" type="checkbox"/> Progress / Ongoing <input type="checkbox"/> Rough <input type="checkbox"/> Electric Service <input type="checkbox"/> Elevator <input type="checkbox"/> Final <input type="checkbox"/> Annual | <input type="checkbox"/> Item No. _____ Requires Immediate Attention <input type="checkbox"/> Reinspection / Test Required <input type="checkbox"/> Partial Approval Area _____ <input type="checkbox"/> Cut-In Card Issued <input type="checkbox"/> Temporary <input type="checkbox"/> Work Approved <input type="checkbox"/> Work Not Approved <input type="checkbox"/> Other _____ | <input type="checkbox"/> C. O. <input type="checkbox"/> C. A. <input type="checkbox"/> T. C. O. <input type="checkbox"/> C. C. O. |

C. Mailed on _____ To: _____



Division of Remediation Support
Bureau of Case Assignment and Initial Notice
PO Box 435
Trenton, NJ 08625-0435
(609) 633-0708

**CLOSURE - Notice of Intent
Underground Storage Tank System**

DEP Received Date: 12/06/2010
Earliest Start of Work Date: 12/06/2010
Expiration Date: 12/06/2011

TMS #: N10-7573
Activity #: UCL100001

Facility ID #: 020343

Facility Name:
NEW JERSEY CITY UNIVERSITY

Facility Address:
2039 JOHN F KENNEDY BLVD
Jersey City
Hudson County

Decommission, close and conduct a site investigation for the USI(s) and all associated piping specified in this approval in accordance with the Technical Requirements for Site Remediation, N.J.A.C. 7:26E.

The management of any excavated soils must follow the requirements listed in N.J.A.C. 7:14B-8.2.

Note: The UNDERGROUND STORAGE TANK SERVICES CERTIFICATION ACT, N.J.S.A. 58:10A-24, requires all services performed on an USI system for the purpose of complying with P.L. 1986, c.102 to be performed by or under the immediate on-site supervision of a person certified by the Department for that service. The certified person providing that service must be employed by a business that is also certified by the Department for that service.

Contact Person: Charles Malaniak

Telephone #: (973)240-1800

This Permit must be displayed at the Site during the Approved Activity and must be made available for inspections at all times.

The above listed facility is hereby granted approval to perform the attached activities in accordance with N.J.A.C. 7:14B-1 et. seq.


Rafael Rivera, Supervisor
Bureau of Risk Management, Initial Notice and Case Assignment

This Permit consists of 2 pages.

The closure of the following:

One-1000 gallon Leaded Gasoline underground storage tank, and appurtenant piping.