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Chevron Environmental Management Company

CONSTRUCTION COMPLETION REPORT, AOC 2, EASTERN PARCEL SOIL REMEDIATION

NYSDEC Site Number: 3-60-015

Former Tappan Terminal Site

Westchester County

Hastings-on-Hudson, New York

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Former Tappan Terminal Site
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ACRONYMS AND ABBREVIATIONS

AOC	Area of Concern
AOC 1	western former Mobil Terminal property
AOC 2	eastern former Uhlich Color Company property
AOC 3	groundwater at the former Mobil Terminal property and the former Uhlich Color Company property
AOC 2 RD Report	Final Remedial Design Report, AOC 2, Eastern Parcel Soil Remediation
Arcadis	Arcadis of New York, Inc.
bgs	below ground surface
BMP	best management practice
CAMP	Community Air Monitoring Plan
CEMC	Chevron Environmental Management Company
Completion Report	Area of Concern (AOC) 2 Eastern Parcel Soil Remediation Completion Report
DBH	diameter at breast height
DER	Division of Environmental Remediation
DER-10	Division of Environmental Remediation Technical Guidance for Site Investigation and Remediation
NYSDEC	New York State Department of Environmental Conservation
NYSDEC General Permit	NYSDEC General Permit for Stormwater Discharges from Construction (GP-0-10-001)
PPE	personal protective equipment
ppm	parts per million
RECON	Remedial Construction Services, L.P.
ROD	Record of Decision
Site	Former Tappan Terminal Site (3-60-015) located in the Village of Hastings-on-Hudson, Westchester County, New York
SPDES	State Pollutant Discharge Elimination System
SVOC	semivolatile organic compound
SWPPP	Stormwater Pollution Prevention Plan
Uhlich property	Uhlich Color Company property
Village Code Book	Village of Hastings-On-Hudson Code Book
VOC	volatile organic compound

1 INTRODUCTION

A Record of Decision (ROD) was issued by the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) on September 8, 2006 for the remediation of the entire Former Tappan Terminal Site located on the eastern shore of the Hudson River in Hastings-on-Hudson, New York (NYSDEC 2006). On July 14, 2010, Order on Consent No. A3-0612-1208 was finalized, which divided the Former Tappan Terminal Site (Site) into three areas of concern (AOC) including the western former Mobil Terminal property soil (AOC 1), the eastern former Uhlich Color Company property soil (AOC 2), and the groundwater at both properties (AOC 3). Chevron Environmental Management Company (CEMC) entered into the Order on Consent with the NYSDEC, which required CEMC to investigate and remediate contaminated soil found and the AOC 2 Site.

This Completion Report, AOC 2, Eastern Parcel Soil Remediation (Completion Report) has been prepared by Arcadis of New York, Inc. (Arcadis) on behalf of CEMC to document the remedial activities at the eastern former Uhlich Color Company property (Uhlich property; AOC 2).

1.1 Site Description and History

The Site has historically been known as the Former Tappan Terminal in the Village of Hastings-on-Hudson, Westchester County, New York. As previously discussed, the Site is comprised of two adjacent parcels located along the eastern shore of the Hudson River, including the Mobil Terminal property to the west (defined as AOC 1) and the Uhlich Property located to the east (defined as AOC 2). AOC 2 occupies approximately seven acres and its boundaries are defined by the Harbor at Hastings Site Operable Unit 1 to the north, the Hudson River to the south, Metro-North railroad tracks to the east, and the former Mobil Terminal property to the west.

The Site was created from man-made fill that was placed into the Hudson River between 1868 and 1970. The fill material is comprised of sand and gravel mixed with bricks, concrete, stone, timber, ash, slag, shells, and other debris. The Site was first owned by Zinsser & Company and was used for manufacturing pigments, dyes, and photographic chemicals from 1897 until 1955. In 1955, the Site was purchased by Harshaw Chemical Company who continued operations from 1955 through 1961 until the Site was bought in 1961 by Tappan Tanker Terminal. Tappan Tanker Terminal began operating a petroleum distribution facility on the western portion of the Site (AOC 1) until the western portion was bought by Mobil Oil in 1975. The eastern portion of the Site (AOC 2) was leased and then purchased by Paul Uhlich & Company in 1964 and used for manufacturing pigments.

As Mobil Oil ceased operations in 1985, a series of oil spills and bulk storage violations were discovered (1987). It was determined that this Site posed a significant threat to public health and the environment, which led to the NYSDEC listing the Site as a Class 2 site in the Registry of Inactive Waste Disposal Sites in New York. In 1992, evidence of a petroleum leak was found on both the western and eastern portions of the Site during sewer maintenance, leading to the development of an oil remediation plan in 1994, and entering Mobil Oil and Uhlich Color Company into a Stipulation Agreement. The NYSDEC referred the Site for State-funded investigation in 1998 which was implemented by Dvirka and Bartilucci Consulting Engineers (1999). The Uhlich Color Company ceased operations in 2002 and demolished a majority of the buildings in 2003.

In 2006, the Site became the subject of a ROD issued by the NYSDEC on September 8, 2006, which addressed both the Mobil and Uhlich properties. The NYSDEC began drafting an Order on Consent after the issuance of the ROD, which was released on July 14, 2010.

Several corporate mergers had occurred throughout the Site's history leading to Chevron's involvement with remedial activities at AOC 2. The Harshaw Chemical Company was purchased by Kewanee Industries in 1966, which was then acquired by Gulf Oil Corporation in 1977. Gulf Oil Corporation merged with Chevron Chemical Corporation in 1985.

1.2 Previous Investigations

Previous investigations and remedial activities performed on soil and groundwater at AOC 2 are identified in Section 2 the Final Remedial Design Report, AOC 2, Eastern Parcel Soil Remediation (AOC 2 RD Report; Arcadis 2013a).

1.3 AOC 2 Remedial Objectives

As stated in the September 8, 2006 NYSDEC ROD, the main objectives of the remedial operations at AOC 2 were to: (1) prevent the ingestion of and direct contact with contaminated soil; (2) prevent inhalation of volatile organic compounds (VOCs) from contaminated soil and groundwater; and (3) attain soil cleanup guidelines that are protective of human health and groundwater quality, to the extent practicable.

In order to meet these objectives, and in accordance with the September 8, 2006 NYSDEC ROD, the NYSDEC approved the following documents submitted by CEMC.

- *Pre-Design Soil Investigation Work Plan, Former Tappan Terminal Site, Uhlich Color Company Property* (Arcadis 2007)
- *Remedial Design/Remedial Action Work Plan, AOC 2, Eastern Parcel Soil Remediation* (Arcadis 2010a)
- *Soil Hotspot Removal Work Plan, AOC 2, Eastern Parcel Soil Remediation* (Arcadis 2010b)
- *Addendum to Soil Hotspot Removal Work Plan, AOC 2, Eastern Parcel Soil Remediation* (Arcadis 2010c)
- *Preliminary Remedial Design Report, AOC 2, Eastern Parcel Soil Remediation* (Arcadis 2012b)
- *AOC 2 Remedial Design Report* (Arcadis 2013a)

The following remedial activities were implemented/completed in accordance with the above-listed documents.

1. Excavation of soil/fill exceeding the remedial objective of 500 parts per million (ppm) for total semivolatile organic compounds (SVOCs).
2. Construction and maintenance of a soil cover system consisting of a minimum 24 inches of clean, vegetated soil to reduce the potential for human exposure to remaining contaminated soil/fill potentially remaining at AOC 2.

Execution and recording of an environmental easement to restrict land use and prevent future exposure to any contamination remaining at AOC 2.

3. Establishment of institutional controls, including:
    a. Use of the property only for non-residential use (commercial, light industrial, or recreational).
    b. Prohibit the use of groundwater underlying AOC 2 without treatment rendering it safe for intended use.
    c. Evaluating the potential for vapor intrusion for any buildings developed on-site and monitoring and mitigating any potential impacts that are identified.
    d. Prohibit the establishment of vegetable gardens and farming at AOC 2.
    e. Develop a Site Management Plan for long-term management of the remaining contamination, this includes plans for institutional and engineering controls, monitoring, operation and maintenance, and reporting.

1.4 Project Roles and Responsibilities

Mark Stella previously served as CEMC's Project Manager (PM) and directed the technical and administrative aspects of the project. Mr. Stella was subsequently replaced by Mark Hendrickson who serves as the primary CEMC contact in connection with the completion of all work associated with the Final Design Report.

The following Arcadis personnel were involved with the remedial construction activities and their responsibilities included the following:

- William T. McCune served as the Arcadis PM and managed the technical and administrative aspects of the project, including confirmation that the proper resources were made available to complete all work associated with the Final Design Report.
- Joseph Molina, P.E., served as the Professional Engineer and provided direction, final review and internal approval of Arcadis documents, detailed drawings, and other work products developed throughout the project. Mr. Molina is a licensed Professional Engineer in New York State. Mr. Molina signed and sealed the AOC 2 Remedial Design Report, this CCR, and the Record Drawings, which are provided as Appendix F.

The following subcontractors were retained during construction of the System:

- Remedial Construction Services (RECON) was retained by CEMC to perform the general and site civil construction activities for installation of the System in accordance with the Final Design Report.
- C.T. Male Associates Engineering, Surveying, Architecture & Landscape Architecture was retained by Arcadis to survey locations of System components.
- TestAmerica Laboratories, Inc., a laboratory certified by the New York State Department of Health, was retained by CEMC to provide off-site analytical services for water and soil samples collected during construction of the soil cover.

2 REGULATORY FRAMEWORK

Arcadis has prepared several permits for the construction activities involved in the remediation of AOC 2 in compliance with federal, state, and local regulations. The following subsections provide a review of the permits obtained for the AOC 2 remedial activities.

2.1 Stormwater Pollution Prevention Plan and Notice of Intent

According to Part 250-5 of the Village of Hastings-on-Hudson Code Book (Village Code Book), land development activities including clearing, grubbing, grading, excavation, soil disturbance, or placement of fill that disturbs more than 0.23 acres require the Stormwater Pollution Prevention Plan (SWPPP) to be examined by the Village Stormwater Management Officer. The SWPPP was prepared in accordance with the requirements of the NYSDEC State Pollutant Discharge Elimination System (SPDES) General Permit for Stormwater Discharges from Construction Activity (GP-0-10-001; SPDES General Permit) and Village Code Book.

The AOC 2 Site was exempt from coverage under the SPDES General Permit because the project was being conducted under an approved NYSDEC Work Plan. A Notice of Intent (NOI) was completed and filed with the NYSDEC for informational purposes only. A copy of the NOI is included in Appendix A.

2.2 Floodplain Development Permit

Arcadis filed for a floodplain development permit on June 17, 2013 in compliance with the Village Code Book, which requires a permit for all construction and development to be conducted within areas of special flood hazard in the Village. A copy of the floodplain development permit and the Village's approval is included in Appendix B.

2.3 Tree Removal Permit

The construction of the cap required that several large trees on site be removed. A tree removal permit was required from the Village of Hastings-on-Hudson for the removal of trees with a diameter at breast height (DBH) greater than 12 inches in diameter or trees within 25 feet of construction activities that could potentially cause damage to or kill the tree. The tree permit application proposed by Arcadis was accepted by the Village of Hastings-on-Hudson on June 23, 2013. The tree permit application allowed for the removal of 13 trees on site with a DBH greater than 12 inches. These trees were cut using standard felling methods such that all trees were felled onto the site. No permit was necessary for the removal of trees with a DBH less than 12 inches. A copy of the tree removal permit is included in Appendix C.

3 REMEDIAL ACTIVITIES

The construction activities included: mobilization, site preparation (utility location, utility abandonment, clearing and grubbing, best management practice [BMP] establishment), sampling of the imported soil fill material, soil cover construction, equipment decontamination, waste characterization and disposal, and site stabilization and restoration. Site work was completed in accordance with the Site-Specific Health and Safety Plan (Arcadis 2013b). Photo documentation of the project activities is included in Appendix D. Specific elements of the construction activities are detailed in the following subsections.

3.1 Previous Remedial Actions

In 2010 and 2011, a hot spot soil excavation of grossly contaminated soil above the groundwater table, particularly soil that contains mobile dye or petroleum contamination, and soil containing greater than 500 parts per million (ppm) of semi-volatile organic compounds (SVOCs) was completed in the area of surface soil samples SS-16 and SS-17. The results of the hot spot remedial action are summarized in the Soil Excavation Summary Report (Appendix E).

3.2 Mobilization and Preconstruction Activities

Once the required permits and appropriate notifications were submitted, construction personnel, equipment, and materials associated with the remedial project were mobilized to AOC 2. Concurrent with mobilization activities, the following preconstruction activities were completed.

3.2.1 Establishment of Staging Areas

The soil unloading area was constructed on AOC 1, at the shoreline of the Hudson River, for temporary stockpiling of soil material delivered to AOC 2 via a soil barge. In addition to the soil unloading area, an equipment decontamination pad/truck wash was constructed for trucks and equipment that were exposed to impacted materials during implementation of the remedial activities. These areas were bermed and lined with 30-mil polypropylene sheeting, with silt fence placed around the perimeter.

3.2.2 Temporary Gravel Access Road

A temporary gravel access road was constructed for trucks to haul soil material from the soil unloading area on AOC 1, at the shoreline of the Hudson River, to AOC 2. A woven geotextile material was installed underneath the gravel access road to prevent the migration of contaminated soil to AOC 1 or off-site locations during the transport of clean material to AOC 2. The gravel access road was removed following soil cap construction and the gravel material was reused for construction of the permanent site access road.

3.2.3 Community Air Monitoring

A community air monitoring program was implemented in accordance with the Community Air Monitoring Plan (Appendix H to the AOC 2 RD Report (Arcadis 2013a). The community air monitoring program was established and implemented as required during remedial activities to protect the health and safety of site

workers and community, address potential nuisance odors, and establish appropriate response protocols for potential emission source control. Prior to remediation, a chemical-specific air sample was obtained, analyzed, and used to characterize baseline conditions and develop action levels for total organic vapors and particulates. The results of the baseline sampling are presented in Table 3-1. The action levels were used to determine when upgrades to personal protective equipment were required and when construction techniques needed to be modified to reduce odor/vapor or dust emissions from the Site.

For perimeter air monitoring, direct-reading instruments mounted on tripods were set-up at designated perimeter air monitoring sample stations to monitor levels of total volatile organic compounds (VOCs) and particulate levels. A single upwind and downwind monitoring location was established at the start of the workday. Wind direction was determined using a windsock. An additional air quality monitoring station was established within Riverview Park along Warburton Avenue, immediately east of AOC 2, to monitor off-site VOC and particulate concentrations.

The CAMP monitoring results are provided in Table 3-1. Five exceedances of the particulate air monitoring action level were observed. Four of the exceedances observed were identified and were associated with high background levels and an instantaneous spike that occurred as the air monitoring station was turned on. Several methods were used to control odors and dust during construction such as water spray to suppress dust and limiting vehicle travel speeds.

3.2.4 Erosion and Sediment Control

Erosion and sediment controls were installed in accordance with the New York State Standards for Erosion and Sediment Control (New York State Department of Environmental Conservation 2005) to reduce runoff flow velocities and minimize sediment movement into or from active work areas. Erosion and sediment controls included fencing, straw bale dikes or diversion berms, stabilized construction entrances, and temporary gravel access roads were installed and/or implemented prior to the start of earthwork activities and soil cover construction. The erosion and sediment controls were installed in accordance with procedures provided in the New York State Standards and Specifications for Erosion and Sediment Control (August 2005) and as described in the AOC 2 RD Report. The erosion and sediment controls were inspected and repaired or replaced as necessary throughout the project.

3.2.5 Clearing and Grubbing

The clearing and grubbing was limited to only those trees and areas of brush required to facilitate the installation of the soil cover and applied only to above-grade materials. All tree stumps were cut to existing grade using standard tree felling procedures. Trees were removed in accordance with the Village of Hastings-on-Hudson tree removal permit (Appendix C). All soils that were disturbed during clearing and grubbing were placed back in their original locations after inspection for visible staining or pigments. In addition to clearing and grubbing activities, a licensed applicator was brought in to eradicate existing invasive Phragmites prior to installation of the soil cover.

3.2.6 Existing Utility and Groundwater Monitoring Well Abandonment

All existing utilities were investigated to identify those structures no longer in use, the conditions and type of utility, and the proposed methods for abandoning each structure. The investigation included all sewer

piping, manholes, catch basins, and other underground structures. All manholes located on site were vacuumed to remove standing water, filled with 3/4" stone, and then filled with a minimum of one foot concrete.

Three groundwater monitoring wells located on AOC 2 and within the limits of the remedial design that were no longer required for groundwater monitoring were decommissioned in accordance with NYSDEC Groundwater Monitoring Well Decommissioning Procedures (CP-43).

3.2.7 Basement Clearance

Basements or other cavity-type structures that were identified were backfilled with approved fill materials to maintain safety during the use of heavy equipment. A void space within a concrete pad next to the site trailer was discovered during perforation activities (described below). The roof of the void space was authorized to be collapsed and the broken pieces of the concrete "lid" were left within the void space. The remainder of this void space was then filled during capping activities.

3.2.8 Slab Perforation

The concrete slabs and asphalt roads were perforated on a 50-foot grid using a 300 series excavator with a 3,000 or 5,000 pound breaker attachment (size dependent on the conditions of the impervious feature) were used to generate 6-inch diameter holes to facilitate water infiltration into the subgrade.

3.2.9 Site Grading

Following clearing and grubbing, the fill was graded to a one percent slope toward the Hudson River, according to the Final Design Drawings included in the AOC 2 RD Report (Arcadis 2013a). Runoff patterns generally remained consistent with pre-construction conditions.

3.3 Soil Cap Construction

This section describes the major components and the general sequencing of the soil cap construction activities.

3.3.1 Demarcation Layer

A Propex Geotex® 401OR 4 oz. orange geotextile fabric and Tenax® Beacon Plus orange-nominal construction fence were used to demarcate the soil cover from original ground surface and non-remediation soil in pervious areas. In areas where soil cover was placed over asphalt or concrete slabs, those surface covers served as the demarcation layer.

3.3.2 Fill Material and Vegetative Soil (Topsoil) Placement

Approximately 35,505 tons of fill material and 11,300 tons of topsoil were imported to the site via barge from the Tilcon Facility in Haverstraw, New York and from 115 Lakeland Avenue in Sayville, New York, respectively. Two barges were used transfer to soil materials to the unloading area, a material handling barge and a soil barge. The material handling barge was staged parallel to the shoreline, and the soil

barge was secured to it. Soil was transferred from the soil barge onto the conveyor belt attached to the material handling barge using a crane. The crane placed the soil onto a conveyor belt, which then transferred the material from the barge to the soil unloading area. The soil was placed approximately 50 feet from the shoreline. Soils were then transported from the soil unloading area to AOC 2 via dump trucks traversing the temporary gravel access road.

Fill material was placed to a minimum thickness of 18 inches. Topsoil of sufficient quality to support vegetation was placed to a thickness of 6 inches. An as-built survey was conducted after the placement of the topsoil layer. The as-built drawings showing the final topographic survey of AOC 2 are included in Appendix F.

All imported soil material (fill and topsoil) was sampled and submitted for laboratory analysis of VOCs, semi-volatile organic compounds (SVOCs), inorganics, polychlorinated biphenyls, and pesticides in accordance with DER Technical Guidance for Site Investigation and Remediation (NYSDEC 2010) Tables 5.4(e)4 and 5.4(e)10 to determine whether the soil met the cleanup objectives for AOC 2. The fill material and topsoil sampling results are presented in Tables 3-2 and 3-3, respectively. All sample results met the soil cleanup objectives (SCOs) for restricted use as set forth in 6 New York Codes, Rules and Regulations Part 375.

Alternative topsoil material was placed within 50 feet of the Hudson River in order to meet the SCOs for protection of ecological resources. This topsoil material was sourced from the neighboring Western Parcel and from New York Sand and Stone, 75th-25th Street, Brooklyn. Topsoil from the Western Parcel was tested, excavated, and placed within the Ecological Buffer Zones. The topsoil sampling results for the Ecological Resources are presented in Table 3-4.

During the importation of soil material to the Site, a surveyor conducted daily surveys of the soil barge for soil quantity verification. To conduct the quantity surveys, the following procedures were completed.

- All four corners of the barge cargo box were measured with a freeboard indicator to determine the height of the top of the barge cargo box from the surface of the water; once the barge was empty and again when the barge was loaded with soil.
- The density of the river water was tested for buoyancy calculations.
- The average freeboard and average draft (the depth of water the barge draws when loaded) were calculated using the measurements collected.
- The draft displacement (corrected for density) was entered into the load scale to calculate the loaded and empty displacements for the barge.
- The difference between the loaded and empty displacements provided the quantity of soil unloaded.

3.3.3 Compaction

Fill material was placed in successive lifts, each lift having a depth less than 12 inches. Compaction of completed lifts was achieved by proof-rolling consisting of dozer tracking over completed surfaces and visual observations to determine if the resultant track depression depth was acceptable (i.e., approximately 1 inch or less). Topsoil was placed in a single loose lift of sufficient thickness that resulted in a 6 to 7 inch final thickness. No additional compaction was performed following placement of the topsoil.

3.4 Site Stabilization and Restoration

3.4.1 Removal of Temporary Structures

The remedial support areas included the equipment and personnel decontamination area, contractor administrative area and trailer were located on the concrete pad at the northern end of AOC 2 were relocated outside of AOC 2 prior to completion of the soil cover. At completion of the soil cover, and following decontamination and demobilization of all equipment and personnel, the remedial support areas were removed from the Site. The soil unloading area, temporary gravel access road, and the stabilized construction entrance were removed at completion of the soil cover installation, and these areas were covered with a minimum 6-inch layer of topsoil, which was hydroseeded and mulched to restore the areas to preconstruction conditions, as described below.

3.4.2 Establishment of Vegetated Surfaces

The final grade surfaces of the soil cap, as well the areas where temporary structures were located, were hydroseeded using an Easy Lawn L-90 900-gallon capacity hydroseeder. Each tank contained a hydroseed mix consisting of 100 pounds of seed, 200 pounds of fiber mulch, 5 pounds of Nutri-Leaf® 20-20-20 soluble fertilizer, and water. The seed mix for the portion of the soil cap located within the ecological buffer zone, as identified on the Final Design Drawings, consisted of New England wetland/conservation mix. The seed mix used throughout the remaining portions of AOC 2 consisted of boreal creeping red fescue, 85/80 Kentucky bluegrass, and evening shade perennial ryegrass.

The hydroseed mixture was applied directly to the soil surface, followed by the application of straw mulch, which was blown onto the hydroseeded topsoil at a rate of 2,000 pounds per acre. The application of the straw mulch was followed by a second application of the hydroseed and tackifier mixture. A tackifier was added to the process so that the hydroseed and straw mulch were tacked during application. A final site inspection was conducted to ensure that the final grade surfaces of the soil cover, as well as other disturbed areas, were suitably stabilized with at least 85 percent perennial vegetative cover. Following the establishment of permanent vegetation, all temporary erosion and sediment control features were removed.

3.4.3 Existing Fence Replacement

The existing perimeter chain-link fencing was repaired by replacing missing, collapsed, and/or slack sections of the fence and bent fence poles. In addition, two small sections of the fence were removed to facilitate tree removal activities, and were replaced following installation of the soil cover.

3.4.4 Equipment Decontamination

Any equipment and/or materials that encountered impacted soils during construction activities (i.e., clearing, grubbing, or grading equipment, trucks, and hand tools) was decontaminated prior to handling clean materials and prior to demobilization to prevent cross-contamination. Methods for equipment and materials decontamination included performing a visual inspection for possible contamination and removal of accumulated soil on tires or other exterior surfaces using dry decontamination techniques (i.e., brushes, shovels, pry bars, and other scraping tools), or, if deemed necessary, through wet

decontamination methods (i.e., high-pressure water, steam spray). Decontamination activities were conducted within the established equipment decontamination pad/truck wash and any residual liquids for containerization and transportation to an off-site disposal facility. Solids and other waste materials generated by equipment decontamination were also containerized for off-site disposal. Heavy equipment (i.e., excavators, loaders) were visually inspected following final equipment cleaning. When visual inspections indicated remaining waste materials, the equipment was recleaned and reinspected prior to handling clean materials or demobilization.

3.4.5 Waste Disposal

No hazardous waste was generated during capping activities. General waste from the site was disposed of as municipal waste. No manifest of non-hazardous waste was kept.

3.4.6 As-Built Survey

As-built drawings were created after a survey of AOC 2 was performed by CT Male Associates, P.C, a New York State-license professional land surveyor, following construction of the soil cover. As-built drawings of the AOC 2 Soil Cover are attached in Appendix E.

3.5 Punch List Items and Resolutions

Following the construction of the soil cap and survey conducted by CT Male Associates, P.C., a site inspection was conducted and the as-built survey was reviewed to develop a final punch list. The following items were identified and corrected as described below. In addition, during site visits in spring of 2013 it was determined that the site had not reached 85 percent vegetative cover.

In May and June of 2014, RECON re-mobilized to address the problems identified during construction. The scope of activities for the 2014 mobilization included:

- Replacement of silt fence with biodegradable compost filter socks.
- Regrading of portions of the site that had not received two feet of fill with additional topsoil material.
- Hydroseed revegetation of areas that had not reached 85 percent vegetative cover with tall fescue.
- Planting of ecological buffer zone species in accordance with the Division of Environmental Remediation Technical Guidance for Site Investigation and Remediation.
- Confirmatory survey performed by CT Male, P.C.

4 SUMMARY

The installation of the AOC 2 soil cover and the use of clean imported fill sources, in addition to previous remedial activities, are anticipated to prevent the ingestion of, and direct contact with, contaminated soil and prevent inhalation of VOCs from contaminated soil and groundwater. The remedial activities performed at the site as well as the implemented institutional controls serve to significantly reduce the potential for any contamination or vapor intrusion that may affect the future development of the site.

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TABLES

Table 3-1
Volatile Organic Compound and Particulate Air Monitoring Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Monitoring Dates[3]	Monitoring Station	VOC Results (ppm)[4]		PM-10 Results (mg/m³)[4]	
		Minimum	Maximum	Minimum	Maximum
7/12/2013	Upwind	0.000	0.677	0.000	0.092
	Downwind	0.000	0.130	0.000	0.107
	Park Station	0.000	0.090	0.014	0.094
7/19/2013[5]	Upwind	0.000	0.324	0.017	0.052
	Downwind	0.000	0.358	0.000	0.172
	Park Station	0.000	0.221	0.026	0.052
8/23/2013	Upwind	0.000	0.222	0.008	0.049
	Downwind	0.000	0.376	0.000	0.052
	Park Station	0.000	0.150	0.000	0.100
8/30/2013	Upwind	0.000	0.144	0.000	0.032
	Downwind	0.000	0.202	0.000	0.052
	Park Station	0.000	0.005	0.016	0.030
9/6/2013	Upwind	0.000	0.192	0.000	0.065
	Downwind	0.000	0.432	0.000	0.045
	Park Station	0.000	0.256	0.016	0.053
9/13/2013[6]	Upwind	0.000	1.49	0.000	0.184
	Downwind	0.000	0.340	0.000	0.337
	Park Station	0.000	4.94	0.000	0.310
9/20/2013	Upwind	0.000	0.233	0.000	0.070
	Downwind	0.000	0.222	0.000	0.052
	Park Station	0.000	1.907	0.000	0.052
9/27/2013	Upwind	0.000	0.253	-0.145	0.014
	Downwind	0.000	0.260	0.000	0.030
	Park Station	0.000	0.287	0.000	0.013
10/4/2013	Upwind	0.000	0.250	0.000	0.130
	Downwind	0.000	0.300	0.000	0.128
	Park Station	0.000	0.290	0.000	0.114
10/11/2013	Upwind	0.000	0.308	0.000	0.084
	Downwind	0.000	0.204	0.000	0.057
	Park Station	0.000	0.240	0.000	0.056
10/18/2013	Upwind	0.000	0.200	0.000	0.066
	Downwind	0.000	0.266	0.001	0.073
	Park Station	0.000	0.250	0.000	0.060
10/25/2013[7]	Upwind	0.000	0.174	0.000	0.442
	Downwind	0.000	0.211	0.008	0.125
	Park Station	0.000	0.488	0.000	0.052
Action Level[8]:		**5.0**			**0.15**

Notes:
1. ppm = parts per million.
2. mg/m³ = milligrams per cubic meter.
3. The monitoring dates are the week ending dates during which air monitoring at AOC 2 was performed.
4. The range of VOC and PM-10 concentrations reported as 15 minute time-weighted averages.
5. A marginal exceedance of the PM-10 action level at the downwind station was observed on July 16, 2013, which was mitigated by stopping work and wetting down the work area.
6. The PM-10 exceedances recorded during the week of September 13, 2013 were due to high background levels recorded on September 11 & 12, 2013, as no visible dust was observed migrating to, or beyond the site boundary. The PM-10 action level is typically 0.10 mg/m³ above background (0.05 mg/m³); however, due to elevated background particulate readings, the PM-10 action level was raised to 0.30 mg/m³ on September 11 & 12, 2013.
7. The PM-10 exceedance recorded during the week of October 25, 2013 was an instantaneous spike that occurred as the meter was being turned on and was not reflective of actual ambient conditions.
8. The VOC and PM-10 action levels are 5 ppm above background (0 ppm) and 0.10 mg/m³ above background (0.05 mg/m³), respectively.
9. Exceedances of the VOC or PM-10 action levels are shaded in the table above.

Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected: / Sample Name: / Parameters	Restricted Use SCOs	Units	A-1 8/13/2013 HOHAOC2-A-1	A-1 08/27/13 HOHAOC2-A-1 COMP2	A-1 08/27/13 HOHAOC2-A-1 GRAB2	A-1 08/27/13 HOHAOC2-A-1 GRAB3	A-1 08/27/13 HOHAOC2-A-1 GRAB4	A-1 08/27/13 HOHAOC2-A-1 GRAB5	A-1 08/27/13 HOHAOC2-A-1 GRAB6	A-1 08/27/13 HOHAOC2-A-1 GRAB7	A-2 08/13/13 HOHAOC2-A-2
PCBs											
Aroclor-1221	--	mg/kg	ND(0.22)	ND(0.20)	NA	NA	NA	NA	NA	NA	ND(0.21)
Aroclor-1232	--	mg/kg	ND(0.22)	ND(0.20)	NA	NA	NA	NA	NA	NA	ND(0.21)
Aroclor-1242	--	mg/kg	ND(0.22)	ND(0.20)	NA	NA	NA	NA	NA	NA	ND(0.21)
Aroclor-1248	--	mg/kg	ND(0.22)	ND(0.20)	NA	NA	NA	NA	NA	NA	ND(0.21)
Aroclor-1254	--	mg/kg	ND(0.22)	ND(0.20)	NA	NA	NA	NA	NA	NA	ND(0.21)
Aroclor-1260	--	mg/kg	ND(0.22)	ND(0.20)	NA	NA	NA	NA	NA	NA	ND(0.21)
Volatile Organics											
1,1,1-Trichloroethane	100	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
1,1-Dichloroethane	26	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
1,1-Dichloroethene	100	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
1,2,4-Trimethylbenzene	52	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
1,2-Dichlorobenzene	100	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
1,2-Dichloroethane	3.1	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
1,3,5-Trimethylbenzene	52	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
1,3-Dichlorobenzene	49	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
1,4-Dichlorobenzene	13	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
1,4-Dioxane	13	mg/kg	ND(0.21)	NA	ND(0.17)	ND(0.18)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.17)
2-Butanone	100	mg/kg	ND(0.027)	NA	ND(0.022)	ND(0.022)	ND(0.021)	ND(0.021)	ND(0.021)	ND(0.021)	ND(0.021)
Acetone	100	mg/kg	ND(0.027)	NA	ND(0.022)	ND(0.022)	ND(0.021)	ND(0.021)	ND(0.021)	ND(0.021)	ND(0.021)
Benzene	4.8	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
Carbon Tetrachloride	2.4	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
Chlorobenzene	100	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
Chloroform	49	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
cis-1,2-Dichloroethene	100	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
Ethylbenzene	41	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
Methyl tert-butyl ether	100	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
Methylene Chloride	100	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
n-Butylbenzene	100	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
n-Propylbenzene	100	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
sec-Butylbenzene	100	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
tert-Butylbenzene	100	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
Tetrachloroethene	19	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
Toluene	100	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
trans-1,2-Dichloroethene	100	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
Trichloroethene	21	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
Vinyl Chloride	0.9	mg/kg	ND(0.0053)	NA	ND(0.0044)	ND(0.0044)	ND(0.0041)	ND(0.0042)	ND(0.0042)	ND(0.0043)	ND(0.0043)
Xylenes (total)	100	mg/kg	ND(0.011)	NA	ND(0.0087)	ND(0.0088)	ND(0.0083)	ND(0.0083)	ND(0.0084)	ND(0.0085)	ND(0.0085)

See Notes on Page 29.

Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected: / Sample Name: / Parameters	Restricted Use SCOs	Units	A-1 8/13/2013 HOHAOC2-A-1	A-1 08/27/13 HOHAOC2-A-1 COMP2	A-1 08/27/13 HOHAOC2-A-1 GRAB2	A-1 08/27/13 HOHAOC2-A-1 GRAB3	A-1 08/27/13 HOHAOC2-A-1 GRAB4	A-1 08/27/13 HOHAOC2-A-1 GRAB5	A-1 08/27/13 HOHAOC2-A-1 GRAB6	A-1 08/27/13 HOHAOC2-A-1 GRAB7	A-2 08/13/13 HOHAOC2-A-2
Semivolatile Organics											
(z)-9-octadecenamide	--	mg/kg	NA	ND(3.4)	NA	NA	NA	NA	NA	NA	NA
1,4-Dihydroxy-9,10-anthracendione	--	mg/kg	NA	ND(0.69)	NA	NA	NA	NA	NA	NA	NA
1-Hydroxy-9,10-anthracenedione	--	mg/kg	NA	ND(0.69)	NA	NA	NA	NA	NA	NA	NA
2,2-Oxybis (1-Chloropropane)	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	--	mg/kg	NA	ND(0.34)	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
2-Chloroaniline	--	mg/kg	NA	ND(0.34)	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	100	mg/kg	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA	NA	ND(0.17)
2-Nitroaniline	--	mg/kg	NA	ND(0.34)	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	--	mg/kg	NA	ND(0.34)	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	--	mg/kg	NA	ND(0.34)	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	100	mg/kg	NA	ND(0.34)	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	--	mg/kg	NA	ND(0.34)	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	--	mg/kg	NA	ND(0.34)	NA	NA	NA	NA	NA	NA	NA
9,10-Anthracenedione	--	mg/kg	NA	ND(0.34)	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	100	mg/kg	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA	NA	ND(0.17)
Acenaphthylene	100	mg/kg	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA	NA	ND(0.17)
Acetophenone	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
Anthracene	100	mg/kg	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA	NA	ND(0.17)
Atrazine	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	1	mg/kg	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA	NA	ND(0.17)
Benzo(a)pyrene	1	mg/kg	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA	NA	ND(0.17)
Benzo(b)fluoranthene	1	mg/kg	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA	NA	ND(0.17)
Benzo(g,h,i)perylene	100	mg/kg	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA	NA	ND(0.17)
Benzo(k)fluoranthene	3.9	mg/kg	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA	NA	ND(0.17)
Biphenyl	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 29.

Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected: / Sample Name: / Parameters	Restricted Use SCOs	Units	A-1 8/13/2013 HOHAOC2-A-1	A-1 08/27/13 HOHAOC2-A-1 COMP2	A-1 08/27/13 HOHAOC2-A-1 GRAB2	A-1 08/27/13 HOHAOC2-A-1 GRAB3	A-1 08/27/13 HOHAOC2-A-1 GRAB4	A-1 08/27/13 HOHAOC2-A-1 GRAB5	A-1 08/27/13 HOHAOC2-A-1 GRAB6	A-1 08/27/13 HOHAOC2-A-1 GRAB7	A-2 08/13/13 HOHAOC2-A-2
Semivolatile Organics (cont.)											
bis(2-Chloroethoxy)methane	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
Caprolactam	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
Carbazole	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
Chrysene	3.9	mg/kg	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA	NA	ND(0.17)
Dibenzo(a,h)anthracene	0.33	mg/kg	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA	NA	ND(0.17)
Dibenzofuran	59	mg/kg	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA	NA	ND(0.17)
Diethylphthalate	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
Di-n-Octylphthalate	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	100	mg/kg	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA	NA	ND(0.17)
Fluorene	100	mg/kg	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA	NA	ND(0.17)
Hexachlorobenzene	1.2	mg/kg	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA	NA	ND(0.17)
Hexachlorobutadiene	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA	NA	ND(0.17)
Isophorone	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
m & p - Cresol	--	mg/kg	ND(0.33)	NA	NA	NA	NA	NA	NA	NA	ND(0.34)
Naphthalene	100	mg/kg	0.011 J	ND(0.18)	NA	NA	NA	NA	NA	NA	ND(0.17)
Nitrobenzene	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	--	mg/kg	NA	ND(0.18)	NA	NA	NA	NA	NA	NA	NA
o-Toluidine	--	mg/kg	NA	ND(0.34)	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	6.7	mg/kg	ND(0.33)	ND(0.34)	NA	NA	NA	NA	NA	NA	ND(0.34)
Phenanthrene	100	mg/kg	ND(0.17)	0.0042 J	NA	NA	NA	NA	NA	NA	ND(0.17)
Phenol	100	mg/kg	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA	NA	ND(0.17)
p-Toluidine	--	mg/kg	NA	ND(0.34)	NA	NA	NA	NA	NA	NA	NA
Pyrene	100	mg/kg	ND(0.17)	ND(0.18)	NA	NA	NA	NA	NA	NA	ND(0.17)
Inorganics											
Arsenic	16	mg/kg	ND(2.2)	0.930 J	NA	NA	NA	NA	NA	NA	0.590 J
Barium	400	mg/kg	10.5	10.8	NA	NA	NA	NA	NA	NA	9.80
Beryllium	72	mg/kg	0.120 J	0.230	NA	NA	NA	NA	NA	NA	0.120 J
Cadmium	4.3	mg/kg	ND(0.22)	0.0610 J	NA	NA	NA	NA	NA	NA	ND(0.19)
Chromium	--	mg/kg	7.40	5.20	NA	NA	NA	NA	NA	NA	4.50
Chromium, hexavalent	110	mg/kg	ND(0.82)	ND(0.83)	NA	NA	NA	NA	NA	NA	ND(0.82)
Chromium, trivalent	180	mg/kg	7.40	5.20	NA	NA	NA	NA	NA	NA	4.50
Copper	270	mg/kg	111	119	NA	NA	NA	NA	NA	NA	125

See Notes on Page 29.

Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected: / Sample Name: / Parameters	Restricted Use SCOs	Units	A-1 8/13/2013 HOHAOC2-A-1	A-1 08/27/13 HOHAOC2-A-1 COMP2	A-1 08/27/13 HOHAOC2-A-1 GRAB2	A-1 08/27/13 HOHAOC2-A-1 GRAB3	A-1 08/27/13 HOHAOC2-A-1 GRAB4	A-1 08/27/13 HOHAOC2-A-1 GRAB5	A-1 08/27/13 HOHAOC2-A-1 GRAB6	A-1 08/27/13 HOHAOC2-A-1 GRAB7	A-2 08/13/13 HOHAOC2-A-2
Inorganics (cont.)											
Cyanide	27	mg/kg	ND(0.96)	ND(0.91)	NA	NA	NA	NA	NA	NA	ND(0.98)
Lead	400	mg/kg	2.40	3.20	NA	NA	NA	NA	NA	NA	2.40
Manganese	2,000	mg/kg	113	117 B	NA	NA	NA	NA	NA	NA	117
Mercury	0.81	mg/kg	ND(0.019)	ND(0.020)	NA	NA	NA	NA	NA	NA	ND(0.019)
Nickel	310	mg/kg	17.5	16.0	NA	NA	NA	NA	NA	NA	18.0
Selenium	180	mg/kg	ND(4.5)	ND(4.5)	NA	NA	NA	NA	NA	NA	ND(3.8)
Silver	180	mg/kg	ND(0.56)	ND(0.57)	NA	NA	NA	NA	NA	NA	ND(0.48)
Zinc	10,000	mg/kg	30.6 B	35.8 B	NA	NA	NA	NA	NA	NA	34.3 B
Organochlorine Pesticides											
4,4'-DDD	13	mg/kg	ND(0.0017)	ND(0.0017)	NA	NA	NA	NA	NA	NA	ND(0.0017)
4,4'-DDE	8.9	mg/kg	ND(0.0017)	ND(0.0017)	NA	NA	NA	NA	NA	NA	ND(0.0017)
4,4'-DDT	7.9	mg/kg	ND(0.0017)	0.00028 JB	NA	NA	NA	NA	NA	NA	ND(0.0017)
Aldrin	0.097	mg/kg	ND(0.0017)	ND(0.0017)	NA	NA	NA	NA	NA	NA	ND(0.0017)
Alpha-BHC	0.48	mg/kg	ND(0.0017)	ND(0.0017)	NA	NA	NA	NA	NA	NA	ND(0.0017)
Alpha-Chlordane	4.2	mg/kg	ND(0.0017)	ND(0.0017)	NA	NA	NA	NA	NA	NA	ND(0.0017)
Beta-BHC	0.36	mg/kg	ND(0.0017)	ND(0.0017)	NA	NA	NA	NA	NA	NA	ND(0.0017)
Delta-BHC	100	mg/kg	0.00028 JB	0.00030 JB	NA	NA	NA	NA	NA	NA	ND(0.0017)
Dieldrin	0.2	mg/kg	ND(0.0017)	ND(0.0017)	NA	NA	NA	NA	NA	NA	ND(0.0017)
Endosulfan I	24	mg/kg	ND(0.0017)	ND(0.0017)	NA	NA	NA	NA	NA	NA	ND(0.0017)
Endosulfan II	24	mg/kg	ND(0.0017)	ND(0.0017)	NA	NA	NA	NA	NA	NA	ND(0.0017)
Endosulfan Sulfate	24	mg/kg	ND(0.0017)	ND(0.0017)	NA	NA	NA	NA	NA	NA	ND(0.0017)
Endrin	11	mg/kg	ND(0.0017)	ND(0.0017)	NA	NA	NA	NA	NA	NA	ND(0.0017)
Gamma-BHC (Lindane)	1.3	mg/kg	0.00026 J	ND(0.0017)	NA	NA	NA	NA	NA	NA	ND(0.0017)
Heptachlor	2.1	mg/kg	ND(0.0017)	ND(0.0017)	NA	NA	NA	NA	NA	NA	ND(0.0017)
Herbicides											
2,4,5-TP	100	mg/kg	ND(0.017)	ND(0.017)	NA	NA	NA	NA	NA	NA	ND(0.017)
Miscellaneous											
Percent Moisture	--	%	2.00	NA	NA	NA	NA	NA	NA	NA	2.80
Percent Solids	--	%	NA	96.0	96.0	96.0	96.0	96.0	96.0	96.0	NA

See Notes on Page 29.

Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: Date Collected: Parameters Sample Name:	Restricted Use SCOs	Units	A-2 08/27/13 HOHAOC2-A-2 GRAB2	A-3 08/13/13 HOHAOC2-A-3	A-3 08/27/13 HOHAOC2-A-3 GRAB2	A-4 08/13/13 HOHAOC2-A-4	A-4 08/27/13 HOHAOC2-A-4 GRAB2	A-5 08/13/13 HOHAOC2-A-5	A-5 08/27/13 HOHAOC2-A-5 GRAB2	A-6 08/13/13 HOHAOC2-A-6	A-6 08/27/13 HOHAOC2-A-6 GRAB2
PCBs											
Aroclor-1221	--	mg/kg	NA	ND(0.24)	NA	ND(0.23)	NA	ND(0.17)	NA	ND(0.18)	NA
Aroclor-1232	--	mg/kg	NA	ND(0.24)	NA	ND(0.23)	NA	ND(0.17)	NA	ND(0.18)	NA
Aroclor-1242	--	mg/kg	NA	ND(0.24)	NA	ND(0.23)	NA	ND(0.17)	NA	ND(0.18)	NA
Aroclor-1248	--	mg/kg	NA	ND(0.24)	NA	ND(0.23)	NA	ND(0.17)	NA	ND(0.18)	NA
Aroclor-1254	--	mg/kg	NA	ND(0.24)	NA	ND(0.23)	NA	ND(0.17)	NA	ND(0.18)	NA
Aroclor-1260	--	mg/kg	NA	ND(0.24)	NA	ND(0.23)	NA	ND(0.17)	NA	ND(0.18)	NA
Volatile Organics											
1,1,1-Trichloroethane	100	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
1,1-Dichloroethane	26	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
1,1-Dichloroethene	100	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
1,2,4-Trimethylbenzene	52	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
1,2-Dichlorobenzene	100	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
1,2-Dichloroethane	3.1	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
1,3,5-Trimethylbenzene	52	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
1,3-Dichlorobenzene	49	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
1,4-Dichlorobenzene	13	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
1,4-Dioxane	13	mg/kg	ND(0.18)	ND(0.16)	ND(0.18)	ND(0.16)	ND(0.17)	ND(0.17)	ND(0.17)	ND(0.16)	ND(0.17)
2-Butanone	100	mg/kg	ND(0.022)	ND(0.019)	ND(0.022)	ND(0.020)	ND(0.021)	ND(0.021)	ND(0.021)	ND(0.020)	ND(0.021)
Acetone	100	mg/kg	ND(0.022)	ND(0.019)	ND(0.022)	ND(0.020)	ND(0.021)	ND(0.021)	ND(0.021)	ND(0.020)	ND(0.021)
Benzene	4.8	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
Carbon Tetrachloride	2.4	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
Chlorobenzene	100	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
Chloroform	49	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
cis-1,2-Dichloroethene	100	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
Ethylbenzene	41	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
Methyl tert-butyl ether	100	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
Methylene Chloride	100	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
n-Butylbenzene	100	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
n-Propylbenzene	100	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
sec-Butylbenzene	100	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
tert-Butylbenzene	100	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
Tetrachloroethene	19	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
Toluene	100	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
trans-1,2-Dichloroethene	100	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
Trichloroethene	21	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
Vinyl Chloride	0.9	mg/kg	ND(0.0044)	ND(0.0039)	ND(0.0045)	ND(0.0040)	ND(0.0042)	ND(0.0042)	ND(0.0041)	ND(0.0039)	ND(0.0043)
Xylenes (total)	100	mg/kg	ND(0.0089)	ND(0.0078)	ND(0.0089)	ND(0.0079)	ND(0.0084)	ND(0.0083)	ND(0.0083)	ND(0.0079)	ND(0.0085)

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Semivolatile Organics											
(z)-9-octadecenamide	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dihydroxy-9,10-anthracendione	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Hydroxy-9,10-anthracenedione	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Oxybis (1-Chloropropane)	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	100	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)	NA
2-Nitroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	100	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
9,10-Anthracenedione	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	100	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)	NA
Acenaphthylene	100	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)	NA
Acetophenone	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	100	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)	NA
Atrazine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	1	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)	NA
Benzo(a)pyrene	1	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)	NA
Benzo(b)fluoranthene	1	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)	NA
Benzo(g,h,i)perylene	100	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)	NA
Benzo(k)fluoranthene	3.9	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)	NA
Biphenyl	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 29.

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Semivolatile Organics (cont.)											
bis(2-Chloroethoxy)methane	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	3.9	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)	NA
Dibenzo(a,h)anthracene	0.33	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)	NA
Dibenzofuran	59	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)	NA
Diethylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Octylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	100	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)	NA
Fluorene	100	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)	NA
Hexachlorobenzene	1.2	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)	NA
Hexachlorobutadiene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)	NA
Isophorone	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
m & p - Cresol	--	mg/kg	NA	ND(0.34)	NA	ND(0.34)	NA	ND(0.33)	NA	ND(0.33)	NA
Naphthalene	100	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)	NA
Nitrobenzene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Toluidine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	6.7	mg/kg	NA	ND(0.34)	NA	ND(0.34)	NA	ND(0.33)	NA	ND(0.33)	NA
Phenanthrene	100	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)	NA
Phenol	100	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)	NA
p-Toluidine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	100	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)	NA
Inorganics											
Arsenic	16	mg/kg	NA	0.580 J	NA	0.520 J	NA	0.640 J	NA	0.550 J	NA
Barium	400	mg/kg	NA	10.5	NA	11.7	NA	9.40	NA	10.0	NA
Beryllium	72	mg/kg	NA	0.110 J	NA	0.130 J	NA	0.100 J	NA	0.120 J	NA
Cadmium	4.3	mg/kg	NA	ND(0.22)	NA	ND(0.22)	NA	ND(0.21)	NA	ND(0.21)	NA
Chromium	--	mg/kg	NA	4.40	NA	5.50	NA	3.40	NA	3.50	NA
Chromium, hexavalent	110	mg/kg	NA	ND(0.82)	NA	ND(0.84)	NA	ND(0.82)	NA	ND(0.82)	NA
Chromium, trivalent	180	mg/kg	NA	4.40	NA	5.50	NA	3.40	NA	3.50	NA
Copper	270	mg/kg	NA	117	NA	113	NA	112	NA	113	NA

See Notes on Page 29.

Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected: / Sample Name: / Parameters	Restricted Use SCOs	Units	A-2 08/27/13 HOHAOC2-A-2 GRAB2	A-3 08/13/13 HOHAOC2-A-3	A-3 08/27/13 HOHAOC2-A-3 GRAB2	A-4 08/13/13 HOHAOC2-A-4	A-4 08/27/13 HOHAOC2-A-4 GRAB2	A-5 08/13/13 HOHAOC2-A-5	A-5 08/27/13 HOHAOC2-A-5 GRAB2	A-6 08/13/13 HOHAOC2-A-6	A-6 08/27/13 HOHAOC2-A-6 GRAB2
Inorganics (cont.)											
Cyanide	27	mg/kg	NA	ND(0.96)	NA	ND(1.0)	NA	ND(0.98)	NA	ND(0.97)	NA
Lead	400	mg/kg	NA	2.10	NA	2.20	NA	1.90	NA	3.10	NA
Manganese	2,000	mg/kg	NA	122	NA	128	NA	118	NA	125	NA
Mercury	0.81	mg/kg	NA	ND(0.019)	NA	ND(0.021)	NA	ND(0.021)	NA	ND(0.019)	NA
Nickel	310	mg/kg	NA	17.5	NA	18.4	NA	15.9	NA	16.5	NA
Selenium	180	mg/kg	NA	ND(4.3)	NA	0.600 J	NA	0.950 J	NA	ND(4.3)	NA
Silver	180	mg/kg	NA	ND(0.54)	NA	ND(0.55)	NA	ND(0.54)	NA	ND(0.53)	NA
Zinc	10,000	mg/kg	NA	33.5 B	NA	36.6 B	NA	33.2 B	NA	37.2 B	NA
Organochlorine Pesticides											
4,4'-DDD	13	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA
4,4'-DDE	8.9	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA
4,4'-DDT	7.9	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA
Aldrin	0.097	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA
Alpha-BHC	0.48	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA
Alpha-Chlordane	4.2	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA
Beta-BHC	0.36	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA
Delta-BHC	100	mg/kg	NA	ND(0.0017)	NA	0.00028 JB	NA	ND(0.0017)	NA	ND(0.0017)	NA
Dieldrin	0.2	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA
Endosulfan I	24	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA
Endosulfan II	24	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA
Endosulfan Sulfate	24	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA
Endrin	11	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA
Gamma-BHC (Lindane)	1.3	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA
Heptachlor	2.1	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA
Herbicides											
2,4,5-TP	100	mg/kg	NA	ND(0.017)	NA	ND(0.017)	NA	ND(0.017)	NA	ND(0.017)	NA
Miscellaneous											
Percent Moisture	--	%	NA	2.30	NA	4.50	NA	2.60	NA	2.80	NA
Percent Solids	--	%	92.0	NA	93.0	NA	94.0	NA	94.0	NA	94.0

See Notes on Page 29.

Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected: / Sample Name: / Parameters	Restricted Use SCOs	Units	A-7 08/13/13 HOHAOC2-A-7	A-7 08/27/13 HOHAOC2-A-7 GRAB2	A-8 08/13/13 HOHAOC2-A-8	A-8 08/27/13 HOHAOC2-A-8 GRAB2	A-9 08/13/13 HOHAOC2-A-9	A-9 08/27/13 HOHAOC2-A-9 GRAB2	A-10 08/13/13 HOHAOC2-A-10	A-10 08/27/13 HOHAOC2-A-10 GRAB2	A-11 08/13/13 HOHAOC2-A-11
PCBs											
Aroclor-1221	--	mg/kg	ND(0.20)	NA	ND(0.18)	NA	ND(0.24)	NA	ND(0.23)	NA	ND(0.18)
Aroclor-1232	--	mg/kg	ND(0.20)	NA	ND(0.18)	NA	ND(0.24)	NA	ND(0.23)	NA	ND(0.18)
Aroclor-1242	--	mg/kg	ND(0.20)	NA	ND(0.18)	NA	ND(0.24)	NA	ND(0.23)	NA	ND(0.18)
Aroclor-1248	--	mg/kg	ND(0.20)	NA	ND(0.18)	NA	ND(0.24)	NA	ND(0.23)	NA	ND(0.18)
Aroclor-1254	--	mg/kg	ND(0.20)	NA	ND(0.18)	NA	ND(0.24)	NA	ND(0.23)	NA	ND(0.18)
Aroclor-1260	--	mg/kg	ND(0.20)	NA	ND(0.18)	NA	ND(0.24)	NA	ND(0.23)	NA	ND(0.18)
Volatile Organics											
1,1,1-Trichloroethane	100	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
1,1-Dichloroethane	26	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
1,1-Dichloroethene	100	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
1,2,4-Trimethylbenzene	52	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
1,2-Dichlorobenzene	100	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
1,2-Dichloroethane	3.1	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
1,3,5-Trimethylbenzene	52	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
1,3-Dichlorobenzene	49	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
1,4-Dichlorobenzene	13	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
1,4-Dioxane	13	mg/kg	ND(0.18)	ND(0.17)	ND(0.21)	ND(0.16)	ND(0.21)	ND(0.16)	ND(0.17)	ND(0.15)	ND(0.15)
2-Butanone	100	mg/kg	ND(0.022)	ND(0.021)	ND(0.026)	ND(0.020)	ND(0.026)	ND(0.020)	ND(0.021)	ND(0.019)	ND(0.019)
Acetone	100	mg/kg	ND(0.022)	ND(0.021)	ND(0.026)	ND(0.020)	ND(0.026)	ND(0.020)	ND(0.021)	ND(0.019)	ND(0.019)
Benzene	4.8	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
Carbon Tetrachloride	2.4	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
Chlorobenzene	100	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
Chloroform	49	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
cis-1,2-Dichloroethene	100	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
Ethylbenzene	41	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
Methyl tert-butyl ether	100	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
Methylene Chloride	100	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
n-Butylbenzene	100	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
n-Propylbenzene	100	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
sec-Butylbenzene	100	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
tert-Butylbenzene	100	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
Tetrachloroethene	19	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
Toluene	100	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
trans-1,2-Dichloroethene	100	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
Trichloroethene	21	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
Vinyl Chloride	0.9	mg/kg	ND(0.0044)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0052)	ND(0.0041)	ND(0.0042)	ND(0.0038)	ND(0.0038)
Xylenes (total)	100	mg/kg	ND(0.0088)	ND(0.0083)	ND(0.010)	ND(0.0082)	ND(0.010)	ND(0.0081)	ND(0.0084)	ND(0.0076)	ND(0.0076)

See Notes on Page 29.

Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected: / Sample Name: / Parameters	Restricted Use SCOs	Units	A-7 08/13/13 HOHAOC2-A-7	A-7 08/27/13 HOHAOC2-A-7 GRAB2	A-8 08/13/13 HOHAOC2-A-8	A-8 08/27/13 HOHAOC2-A-8 GRAB2	A-9 08/13/13 HOHAOC2-A-9	A-9 08/27/13 HOHAOC2-A-9 GRAB2	A-10 08/13/13 HOHAOC2-A-10	A-10 08/27/13 HOHAOC2-A-10 GRAB2	A-11 08/13/13 HOHAOC2-A-11
Semivolatile Organics											
(z)-9-octadecenamide	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dihydroxy-9,10-anthracendione	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
1-Hydroxy-9,10-anthracenedione	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Oxybis (1-Chloropropane)	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	100	mg/kg	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
2-Nitroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	100	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
9,10-Anthracenedione	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	100	mg/kg	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Acenaphthylene	100	mg/kg	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Acetophenone	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	100	mg/kg	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Atrazine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	1	mg/kg	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Benzo(a)pyrene	1	mg/kg	0.0049 J	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Benzo(b)fluoranthene	1	mg/kg	0.0094 J	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Benzo(g,h,i)perylene	100	mg/kg	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Benzo(k)fluoranthene	3.9	mg/kg	0.0091 J	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Biphenyl	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 29.

Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected: / Sample Name: / Parameters	Restricted Use SCOs	Units	A-7 08/13/13 HOHAOC2-A-7	A-7 08/27/13 HOHAOC2-A-7 GRAB2	A-8 08/13/13 HOHAOC2-A-8	A-8 08/27/13 HOHAOC2-A-8 GRAB2	A-9 08/13/13 HOHAOC2-A-9	A-9 08/27/13 HOHAOC2-A-9 GRAB2	A-10 08/13/13 HOHAOC2-A-10	A-10 08/27/13 HOHAOC2-A-10 GRAB2	A-11 08/13/13 HOHAOC2-A-11
Semivolatile Organics (cont.)											
bis(2-Chloroethoxy)methane	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	3.9	mg/kg	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Dibenzo(a,h)anthracene	0.33	mg/kg	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Dibenzofuran	59	mg/kg	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Diethylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Octylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	100	mg/kg	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Fluorene	100	mg/kg	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Hexachlorobenzene	1.2	mg/kg	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Hexachlorobutadiene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Isophorone	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
m & p - Cresol	--	mg/kg	ND(0.33)	NA	ND(0.33)	NA	ND(0.34)	NA	ND(0.34)	NA	ND(0.34)
Naphthalene	100	mg/kg	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Nitrobenzene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
o-Toluidine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	6.7	mg/kg	ND(0.33)	NA	ND(0.33)	NA	ND(0.34)	NA	ND(0.34)	NA	ND(0.34)
Phenanthrene	100	mg/kg	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Phenol	100	mg/kg	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
p-Toluidine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	100	mg/kg	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Inorganics											
Arsenic	16	mg/kg	0.420 J	NA	0.550 J	NA	ND(2.2)	NA	ND(1.8)	NA	0.730 J
Barium	400	mg/kg	9.90	NA	11.9	NA	12.0	NA	11.6	NA	9.40
Beryllium	72	mg/kg	0.120 J	NA	0.120 J	NA	0.120 J	NA	0.110 J	NA	0.100 J
Cadmium	4.3	mg/kg	ND(0.18)	NA	ND(0.22)	NA	ND(0.22)	NA	ND(0.18)	NA	ND(0.2)
Chromium	--	mg/kg	4.90	NA	6.70	NA	6.70	NA	6.70	NA	5.00
Chromium, hexavalent	110	mg/kg	ND(0.82)	NA	ND(0.82)	NA	ND(0.82)	NA	ND(0.82)	NA	ND(0.82)
Chromium, trivalent	180	mg/kg	4.90	NA	6.70	NA	6.70	NA	6.70	NA	5.00
Copper	270	mg/kg	101	NA	125	NA	107	NA	92.5	NA	121

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Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected: / Sample Name: / Parameters	Restricted Use SCOs	Units	A-7 08/13/13 HOHAOC2-A-7	A-7 08/27/13 HOHAOC2-A-7 GRAB2	A-8 08/13/13 HOHAOC2-A-8	A-8 08/27/13 HOHAOC2-A-8 GRAB2	A-9 08/13/13 HOHAOC2-A-9	A-9 08/27/13 HOHAOC2-A-9 GRAB2	A-10 08/13/13 HOHAOC2-A-10	A-10 08/27/13 HOHAOC2-A-10 GRAB2	A-11 08/13/13 HOHAOC2-A-11
Inorganics (cont.)											
Cyanide	27	mg/kg	ND(0.96)	NA	ND(1.0)	NA	ND(0.99)	NA	ND(0.97)	NA	ND(0.96)
Lead	400	mg/kg	5.70	NA	5.30	NA	1.90	NA	2.60	NA	3.40
Manganese	2,000	mg/kg	128	NA	145	NA	133	NA	132	NA	132
Mercury	0.81	mg/kg	ND(0.019)	NA	ND(0.020)	NA	ND(0.020)	NA	ND(0.020)	NA	ND(0.019)
Nickel	310	mg/kg	16.6	NA	17.6	NA	17.4	NA	16.8	NA	17.4
Selenium	180	mg/kg	ND(3.7)	NA	ND(4.4)	NA	ND(4.3)	NA	0.470 J	NA	0.600 J
Silver	180	mg/kg	ND(0.46)	NA	ND(0.55)	NA	ND(0.54)	NA	ND(0.45)	NA	ND(0.5)
Zinc	10,000	mg/kg	31.5 B	NA	34.2 B	NA	32.4 B	NA	31.0 B	NA	34.9 B
Organochlorine Pesticides											
4,4'-DDD	13	mg/kg	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
4,4'-DDE	8.9	mg/kg	ND(0.0017)	NA	0.00025 J	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
4,4'-DDT	7.9	mg/kg	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Aldrin	0.097	mg/kg	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Alpha-BHC	0.48	mg/kg	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Alpha-Chlordane	4.2	mg/kg	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Beta-BHC	0.36	mg/kg	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Delta-BHC	100	mg/kg	0.00030 JB	NA	0.00031 JB	NA	0.00031 JB	NA	ND(0.0017)	NA	0.00027 JB
Dieldrin	0.2	mg/kg	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Endosulfan I	24	mg/kg	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Endosulfan II	24	mg/kg	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Endosulfan Sulfate	24	mg/kg	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Endrin	11	mg/kg	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Gamma-BHC (Lindane)	1.3	mg/kg	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Heptachlor	2.1	mg/kg	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Herbicides											
2,4,5-TP	100	mg/kg	ND(0.017)	NA	ND(0.017)	NA	ND(0.017)	NA	ND(0.017)	NA	ND(0.017)
Miscellaneous											
Percent Moisture	--	%	2.30	NA	2.30	NA	2.90	NA	2.70	NA	2.20
Percent Solids	--	%	NA	92.0	NA	94.0	NA	94.0	NA	94.0	NA

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Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected: / Sample Name: / Parameters	Restricted Use SCOs	Units	A-11 08/27/13 HOHAOC2-A-11 GRAB2	A-12 08/13/13 HOHAOC2-A-12	A-12 08/27/13 HOHAOC2-A-12 GRAB2	A-13 08/13/13 HOHAOC2-A-13	A-13 08/27/13 HOHAOC2-A-13 GRAB2	B-1 08/14/13 HOHAOC2-B-1	B-1 08/14/13 HOHAOC2-B-1 (2)	B-2 08/14/13 HOHAOC2-B-2
PCBs										
Aroclor-1221	--	mg/kg	NA	ND(0.19)	NA	ND(0.17)	NA	ND(0.22)	NA	ND(0.20)
Aroclor-1232	--	mg/kg	NA	ND(0.19)	NA	ND(0.17)	NA	ND(0.22)	NA	ND(0.20)
Aroclor-1242	--	mg/kg	NA	ND(0.19)	NA	ND(0.17)	NA	ND(0.22)	NA	ND(0.20)
Aroclor-1248	--	mg/kg	NA	ND(0.19)	NA	ND(0.17)	NA	ND(0.22)	NA	ND(0.20)
Aroclor-1254	--	mg/kg	NA	ND(0.19)	NA	ND(0.17)	NA	ND(0.22)	NA	ND(0.20)
Aroclor-1260	--	mg/kg	NA	ND(0.19)	NA	ND(0.17)	NA	ND(0.22)	NA	ND(0.20)
Volatile Organics										
1,1,1-Trichloroethane	100	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
1,1-Dichloroethane	26	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
1,1-Dichloroethene	100	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
1,2,4-Trimethylbenzene	52	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
1,2-Dichlorobenzene	100	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
1,2-Dichloroethane	3.1	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
1,3,5-Trimethylbenzene	52	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
1,3-Dichlorobenzene	49	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
1,4-Dichlorobenzene	13	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
1,4-Dioxane	13	mg/kg	ND(0.17)	ND(0.15)	ND(0.14)	ND(0.16)	ND(0.16)	ND(0.19)	ND(0.20)	ND(0.20)
2-Butanone	100	mg/kg	ND(0.021)	ND(0.019)	ND(0.017)	ND(0.020)	ND(0.020)	ND(0.023)	ND(0.025)	ND(0.025)
Acetone	100	mg/kg	ND(0.021)	ND(0.019)	ND(0.017)	ND(0.020)	ND(0.020)	ND(0.023)	ND(0.025)	ND(0.025)
Benzene	4.8	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
Carbon Tetrachloride	2.4	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
Chlorobenzene	100	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
Chloroform	49	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
cis-1,2-Dichloroethene	100	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
Ethylbenzene	41	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
Methyl tert-butyl ether	100	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
Methylene Chloride	100	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
n-Butylbenzene	100	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
n-Propylbenzene	100	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
sec-Butylbenzene	100	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
tert-Butylbenzene	100	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
Tetrachloroethene	19	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
Toluene	100	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
trans-1,2-Dichloroethene	100	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
Trichloroethene	21	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
Vinyl Chloride	0.9	mg/kg	ND(0.0041)	ND(0.0037)	ND(0.0035)	ND(0.0039)	ND(0.0039)	ND(0.0047)	ND(0.0049)	ND(0.0051)
Xylenes (total)	100	mg/kg	ND(0.0083)	ND(0.0074)	ND(0.0070)	ND(0.0078)	ND(0.0078)	ND(0.0094)	ND(0.0098)	ND(0.010)

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Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected: / Parameters / Sample Name:	Restricted Use SCOs	Units	A-11 08/27/13 HOHAOC2-A-11 GRAB2	A-12 08/13/13 HOHAOC2-A-12	A-12 08/27/13 HOHAOC2-A-12 GRAB2	A-13 08/13/13 HOHAOC2-A-13	A-13 08/27/13 HOHAOC2-A-13 GRAB2	B-1 08/14/13 HOHAOC2-B-1	B-1 08/14/13 HOHAOC2-B-1 (2)	B-2 08/14/13 HOHAOC2-B-2
Semivolatile Organics										
(z)-9-octadecenamide	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dihydroxy-9,10-anthracendione	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
1-Hydroxy-9,10-anthracenedione	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Oxybis (1-Chloropropane)	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
2-Nitroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	100	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
9,10-Anthracenedione	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Acenaphthylene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Acetophenone	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Atrazine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	1	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Benzo(a)pyrene	1	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Benzo(b)fluoranthene	1	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Benzo(g,h,i)perylene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Benzo(k)fluoranthene	3.9	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Biphenyl	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 29.

Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Parameters / Location ID: / Date Collected: / Sample Name:	Restricted Use SCOs	Units	A-11 08/27/13 HOHAOC2-A-11 GRAB2	A-12 08/13/13 HOHAOC2-A-12	A-12 08/27/13 HOHAOC2-A-12 GRAB2	A-13 08/13/13 HOHAOC2-A-13	A-13 08/27/13 HOHAOC2-A-13 GRAB2	B-1 08/14/13 HOHAOC2-B-1	B-1 08/14/13 HOHAOC2-B-1 (2)	B-2 08/14/13 HOHAOC2-B-2
Semivolatile Organics (cont.)										
bis(2-Chloroethoxy)methane	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	3.9	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Dibenzo(a,h)anthracene	0.33	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Dibenzofuran	59	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Diethylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Octylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Fluorene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Hexachlorobenzene	1.2	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Hexachlorobutadiene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Isophorone	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
m & p - Cresol	--	mg/kg	NA	ND(0.34)	NA	ND(0.34)	NA	ND(0.33)	NA	ND(0.33)
Naphthalene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Nitrobenzene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
o-Toluidine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	6.7	mg/kg	NA	ND(0.34)	NA	ND(0.34)	NA	ND(0.33)	NA	ND(0.33)
Phenanthrene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Phenol	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
p-Toluidine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Inorganics										
Arsenic	16	mg/kg	NA	ND(2.2)	NA	ND(1.9)	NA	ND(2.2)	NA	ND(1.9)
Barium	400	mg/kg	NA	12.6	NA	12.6	NA	17.1	NA	14.8
Beryllium	72	mg/kg	NA	0.100 J	NA	0.100 J	NA	0.130 J	NA	0.110 J
Cadmium	4.3	mg/kg	NA	ND(0.22)	NA	ND(0.19)	NA	ND(0.22)	NA	ND(0.19)
Chromium	--	mg/kg	NA	4.90	NA	6.10	NA	8.80	NA	7.20
Chromium, hexavalent	110	mg/kg	NA	ND(0.82)	NA	ND(0.82)	NA	ND(0.81)	NA	ND(0.81)
Chromium, trivalent	180	mg/kg	NA	4.90	NA	6.10	NA	8.80	NA	7.20
Copper	270	mg/kg	NA	127	NA	200	NA	119	NA	107

See Notes on Page 29.

Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected: / Sample Name: / Parameters	Restricted Use SCOs	Units	A-11 08/27/13 HOHAOC2-A-11 GRAB2	A-12 08/13/13 HOHAOC2-A-12	A-12 08/27/13 HOHAOC2-A-12 GRAB2	A-13 08/13/13 HOHAOC2-A-13	A-13 08/27/13 HOHAOC2-A-13 GRAB2	B-1 08/14/13 HOHAOC2-B-1	B-1 08/14/13 HOHAOC2-B-1 (2)	B-2 08/14/13 HOHAOC2-B-2
Inorganics (cont.)										
Cyanide	27	mg/kg	NA	ND(0.96)	NA	ND(1.0)	NA	ND(0.94)	NA	ND(1.0)
Lead	400	mg/kg	NA	2.20	NA	3.80	NA	2.70	NA	2.40
Manganese	2,000	mg/kg	NA	141	NA	145	NA	126	NA	112
Mercury	0.81	mg/kg	NA	ND(0.020)	NA	ND(0.020)	NA	ND(0.019)	NA	ND(0.020)
Nickel	310	mg/kg	NA	17.3	NA	18.9	NA	21.2	NA	18.9
Selenium	180	mg/kg	NA	0.840 J	NA	0.470 J	NA	0.590 J	NA	ND(3.7)
Silver	180	mg/kg	NA	ND(0.55)	NA	ND(0.47)	NA	ND(0.54)	NA	ND(0.47)
Zinc	10,000	mg/kg	NA	36.8 B	NA	37.9 B	NA	34.8 B	NA	38.6 B
Organochlorine Pesticides										
4,4'-DDD	13	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
4,4'-DDE	8.9	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
4,4'-DDT	7.9	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Aldrin	0.097	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Alpha-BHC	0.48	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Alpha-Chlordane	4.2	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Beta-BHC	0.36	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Delta-BHC	100	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Dieldrin	0.2	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Endosulfan I	24	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Endosulfan II	24	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Endosulfan Sulfate	24	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Endrin	11	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Gamma-BHC (Lindane)	1.3	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Heptachlor	2.1	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Herbicides										
2,4,5-TP	100	mg/kg	NA	ND(0.017)	NA	ND(0.017)	NA	ND(0.017)	NA	ND(0.017)
Miscellaneous										
Percent Moisture	--	%	NA	2.40	NA	2.80	NA	1.60	1.60	1.50
Percent Solids	--	%	94.0	NA	95.0	NA	93.0	98.0	98.0	99.0

See Notes on Page 29.

Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected: / Sample Name: / Parameters	Restricted Use SCOs	Units	B-2 08/14/13 HOHAOC2-B-2 (2)	B-3 08/14/13 HOHAOC2-B-3	B-3 08/14/13 HOHAOC2-B-3 (2)	B-4 08/14/13 HOHAOC2-B-4	B-4 08/14/13 HOHAOC2-B-4 (2)	B-5 08/14/13 HOHAOC2-B-5	B-5 08/14/13 HOHAOC2-B-5 (2)	B-6 08/14/13 HOHAOC2-B-6
PCBs										
Aroclor-1221	--	mg/kg	NA	ND(0.25)	NA	ND(0.23)	NA	ND(0.18)	NA	ND(0.18)
Aroclor-1232	--	mg/kg	NA	ND(0.25)	NA	ND(0.23)	NA	ND(0.18)	NA	ND(0.18)
Aroclor-1242	--	mg/kg	NA	ND(0.25)	NA	ND(0.23)	NA	ND(0.18)	NA	ND(0.18)
Aroclor-1248	--	mg/kg	NA	ND(0.25)	NA	ND(0.23)	NA	ND(0.18)	NA	ND(0.18)
Aroclor-1254	--	mg/kg	NA	ND(0.25)	NA	ND(0.23)	NA	ND(0.18)	NA	ND(0.18)
Aroclor-1260	--	mg/kg	NA	ND(0.25)	NA	ND(0.23)	NA	ND(0.18)	NA	ND(0.18)
Volatile Organics										
1,1,1-Trichloroethane	100	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
1,1-Dichloroethane	26	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
1,1-Dichloroethene	100	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
1,2,4-Trimethylbenzene	52	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
1,2-Dichlorobenzene	100	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
1,2-Dichloroethane	3.1	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
1,3,5-Trimethylbenzene	52	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
1,3-Dichlorobenzene	49	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
1,4-Dichlorobenzene	13	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
1,4-Dioxane	13	mg/kg	ND(0.22)	ND(0.18)	ND(0.18)	ND(0.19)	ND(0.12)	ND(0.18)	ND(0.19)	ND(0.17)
2-Butanone	100	mg/kg	ND(0.027)	ND(0.022)	ND(0.023)	ND(0.024)	ND(0.015)	ND(0.023)	ND(0.024)	ND(0.022)
Acetone	100	mg/kg	ND(0.027)	ND(0.022)	ND(0.023)	ND(0.024)	ND(0.015)	ND(0.023)	ND(0.024)	ND(0.022)
Benzene	4.8	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
Carbon Tetrachloride	2.4	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
Chlorobenzene	100	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
Chloroform	49	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
cis-1,2-Dichloroethene	100	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
Ethylbenzene	41	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
Methyl tert-butyl ether	100	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
Methylene Chloride	100	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
n-Butylbenzene	100	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
n-Propylbenzene	100	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
sec-Butylbenzene	100	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
tert-Butylbenzene	100	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
Tetrachloroethene	19	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
Toluene	100	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
trans-1,2-Dichloroethene	100	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
Trichloroethene	21	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
Vinyl Chloride	0.9	mg/kg	ND(0.0055)	ND(0.0044)	ND(0.0046)	ND(0.0047)	ND(0.0029)	ND(0.0046)	ND(0.0047)	ND(0.0044)
Xylenes (total)	100	mg/kg	ND(0.011)	ND(0.0089)	ND(0.0092)	ND(0.0095)	ND(0.0058)	ND(0.0091)	ND(0.0095)	ND(0.0087)

See Notes on Page 29.

Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected: / Parameters / Sample Name:	Restricted Use SCOs	Units	B-2 08/14/13 HOHAOC2-B-2 (2)	B-3 08/14/13 HOHAOC2-B-3	B-3 08/14/13 HOHAOC2-B-3 (2)	B-4 08/14/13 HOHAOC2-B-4	B-4 08/14/13 HOHAOC2-B-4 (2)	B-5 08/14/13 HOHAOC2-B-5	B-5 08/14/13 HOHAOC2-B-5 (2)	B-6 08/14/13 HOHAOC2-B-6
Semivolatile Organics										
(z)-9-octadecenamide	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dihydroxy-9,10-anthracendione	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
1-Hydroxy-9,10-anthracenedione	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Oxybis (1-Chloropropane)	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	100	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)
2-Nitroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	100	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
9,10-Anthracenedione	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	100	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)
Acenaphthylene	100	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)
Acetophenone	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	100	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)
Atrazine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	1	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)
Benzo(a)pyrene	1	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)
Benzo(b)fluoranthene	1	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)
Benzo(g,h,i)perylene	100	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)
Benzo(k)fluoranthene	3.9	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)
Biphenyl	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 29.

Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: Date Collected: Parameters Sample Name:	Restricted Use SCOs	Units	B-2 08/14/13 HOHAOC2-B-2 (2)	B-3 08/14/13 HOHAOC2-B-3	B-3 08/14/13 HOHAOC2-B-3 (2)	B-4 08/14/13 HOHAOC2-B-4	B-4 08/14/13 HOHAOC2-B-4 (2)	B-5 08/14/13 HOHAOC2-B-5	B-5 08/14/13 HOHAOC2-B-5 (2)	B-6 08/14/13 HOHAOC2-B-6
Semivolatile Organics (cont.)										
bis(2-Chloroethoxy)methane	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	3.9	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)
Dibenzo(a,h)anthracene	0.33	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)
Dibenzofuran	59	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)
Diethylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Octylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	100	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)
Fluorene	100	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)
Hexachlorobenzene	1.2	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)
Hexachlorobutadiene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)
Isophorone	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
m & p - Cresol	--	mg/kg	NA	ND(0.33)	NA	ND(0.34)	NA	ND(0.34)	NA	ND(0.34)
Naphthalene	100	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)
Nitrobenzene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
o-Toluidine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	6.7	mg/kg	NA	ND(0.33)	NA	ND(0.34)	NA	ND(0.34)	NA	ND(0.34)
Phenanthrene	100	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)
Phenol	100	mg/kg	NA	ND(0.17)	NA	ND(0.18)	NA	ND(0.17)	NA	ND(0.17)
p-Toluidine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	100	mg/kg	NA	ND(0.17)	NA	0.0012 J	NA	0.0022 J	NA	ND(0.17)
Inorganics										
Arsenic	16	mg/kg	NA	1.40 J	NA	0.470 J	NA	0.510 J	NA	0.490 J
Barium	400	mg/kg	NA	14.2	NA	11.6	NA	11.5	NA	13.9
Beryllium	72	mg/kg	NA	0.120 J	NA	0.120 J	NA	0.110 J	NA	0.100 J
Cadmium	4.3	mg/kg	NA	ND(0.21)	NA	ND(0.2)	NA	ND(0.2)	NA	ND(0.2)
Chromium	--	mg/kg	NA	3.50	NA	5.60	NA	5.10	NA	7.80
Chromium, hexavalent	110	mg/kg	NA	ND(0.81)	NA	ND(0.83)	NA	ND(0.82)	NA	ND(0.83)
Chromium, trivalent	180	mg/kg	NA	3.50	NA	5.60	NA	5.10	NA	7.80
Copper	270	mg/kg	NA	137	NA	140	NA	116	NA	113

See Notes on Page 29.

Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected: / Parameters / Sample Name:	Restricted Use SCOs	Units	B-2 08/14/13 HOHAOC2-B-2 (2)	B-3 08/14/13 HOHAOC2-B-3	B-3 08/14/13 HOHAOC2-B-3 (2)	B-4 08/14/13 HOHAOC2-B-4	B-4 08/14/13 HOHAOC2-B-4 (2)	B-5 08/14/13 HOHAOC2-B-5	B-5 08/14/13 HOHAOC2-B-5 (2)	B-6 08/14/13 HOHAOC2-B-6
Inorganics (cont.)										
Cyanide	27	mg/kg	NA	ND(0.98)	NA	ND(1.0)	NA	ND(1.0)	NA	ND(1.0)
Lead	400	mg/kg	NA	2.20	NA	2.50	NA	2.70	NA	2.20
Manganese	2,000	mg/kg	NA	119	NA	128	NA	136	NA	110
Mercury	0.81	mg/kg	NA	ND(0.020)	NA	ND(0.021)	NA	ND(0.019)	NA	ND(0.021)
Nickel	310	mg/kg	NA	17.6	NA	18.9	NA	16.2	NA	20.2
Selenium	180	mg/kg	NA	ND(4.3)	NA	0.530 J	NA	0.480 J	NA	ND(4.0)
Silver	180	mg/kg	NA	ND(0.54)	NA	ND(0.490)	NA	ND(0.5)	NA	ND(0.5)
Zinc	10,000	mg/kg	NA	37.1 B	NA	34.9 B	NA	34.2 B	NA	31.3 B
Organochlorine Pesticides										
4,4'-DDD	13	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
4,4'-DDE	8.9	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
4,4'-DDT	7.9	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Aldrin	0.097	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Alpha-BHC	0.48	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Alpha-Chlordane	4.2	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Beta-BHC	0.36	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Delta-BHC	100	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Dieldrin	0.2	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Endosulfan I	24	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Endosulfan II	24	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Endosulfan Sulfate	24	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Endrin	11	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Gamma-BHC (Lindane)	1.3	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Heptachlor	2.1	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Herbicides										
2,4,5-TP	100	mg/kg	NA	ND(0.017)	NA	ND(0.017)	NA	ND(0.017)	NA	ND(0.017)
Miscellaneous										
Percent Moisture	--	%	1.50	1.50	1.50	4.00	4.00	2.80	2.80	3.30
Percent Solids	--	%	99.0	99.0	99.0	96.0	96.0	97.0	97.0	97.0

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Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected: / Sample Name: / Parameters	Restricted Use SCOs	Units	B-6 08/14/13 HOHAOC2-B-6 (2)	B-7 08/14/13 HOHAOC2-B-7	B-7 08/14/13 HOHAOC2-B-7 (2)	B-8 08/14/13 HOHAOC2-B-8	B-8 08/14/13 HOHAOC2-B-8 (2)	B-9 08/14/13 HOHAOC2-B-9	B-9 08/14/13 HOHAOC2-B-9 (2)	B-10 08/14/13 HOHAOC2-B-10
PCBs										
Aroclor-1221	--	mg/kg	NA	ND(0.18)	NA	ND(0.19)	NA	ND(0.24)	NA	ND(0.18)
Aroclor-1232	--	mg/kg	NA	ND(0.18)	NA	ND(0.19)	NA	ND(0.24)	NA	ND(0.18)
Aroclor-1242	--	mg/kg	NA	ND(0.18)	NA	ND(0.19)	NA	ND(0.24)	NA	ND(0.18)
Aroclor-1248	--	mg/kg	NA	ND(0.18)	NA	ND(0.19)	NA	ND(0.24)	NA	ND(0.18)
Aroclor-1254	--	mg/kg	NA	ND(0.18)	NA	ND(0.19)	NA	ND(0.24)	NA	ND(0.18)
Aroclor-1260	--	mg/kg	NA	ND(0.18)	NA	ND(0.19)	NA	ND(0.24)	NA	ND(0.18)
Volatile Organics										
1,1,1-Trichloroethane	100	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	ND(0.0043)	ND(0.0051)	ND(0.0042)	ND(0.0067)
1,1-Dichloroethane	26	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	ND(0.0043)	ND(0.0051)	ND(0.0042)	ND(0.0067)
1,1-Dichloroethene	100	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	ND(0.0043)	ND(0.0051)	ND(0.0042)	ND(0.0067)
1,2,4-Trimethylbenzene	52	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	ND(0.0043)	ND(0.0051)	ND(0.0042)	ND(0.0067)
1,2-Dichlorobenzene	100	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	ND(0.0043)	ND(0.0051)	ND(0.0042)	ND(0.0067)
1,2-Dichloroethane	3.1	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	ND(0.0043)	ND(0.0051)	ND(0.0042)	ND(0.0067)
1,3,5-Trimethylbenzene	52	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	ND(0.0043)	ND(0.0051)	ND(0.0042)	ND(0.0067)
1,3-Dichlorobenzene	49	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	ND(0.0043)	ND(0.0051)	ND(0.0042)	ND(0.0067)
1,4-Dichlorobenzene	13	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	ND(0.0043)	ND(0.0051)	ND(0.0042)	ND(0.0067)
1,4-Dioxane	13	mg/kg	ND(0.17)	ND(0.20)	ND(0.22)	ND(0.17)	ND(0.17)	ND(0.20)	ND(0.17)	ND(0.27)
2-Butanone	100	mg/kg	ND(0.022)	ND(0.026)	ND(0.027)	ND(0.021)	ND(0.021)	ND(0.025)	ND(0.021)	ND(0.034)
Acetone	100	mg/kg	ND(0.022)	ND(0.026)	ND(0.027)	ND(0.021)	ND(0.021)	ND(0.025)	0.012 J	ND(0.034)
Benzene	4.8	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	ND(0.0043)	ND(0.0051)	ND(0.0042)	ND(0.0067)
Carbon Tetrachloride	2.4	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	ND(0.0043)	ND(0.0051)	ND(0.0042)	ND(0.0067)
Chlorobenzene	100	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	ND(0.0043)	ND(0.0051)	ND(0.0042)	ND(0.0067)
Chloroform	49	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	ND(0.0043)	ND(0.0051)	ND(0.0042)	ND(0.0067)
cis-1,2-Dichloroethene	100	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	ND(0.0043)	ND(0.0051)	ND(0.0042)	ND(0.0067)
Ethylbenzene	41	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	ND(0.0043)	ND(0.0051)	ND(0.0042)	ND(0.0067)
Methyl tert-butyl ether	100	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	ND(0.0043)	ND(0.0051)	ND(0.0042)	ND(0.0067)
Methylene Chloride	100	mg/kg	ND(0.0044)	ND(0.0051)	0.0030 J	ND(0.0042)	0.0094	ND(0.0051)	ND(0.0042)	ND(0.0067)
n-Butylbenzene	100	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	ND(0.0043)	ND(0.0051)	ND(0.0042)	ND(0.0067)
n-Propylbenzene	100	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	ND(0.0043)	ND(0.0051)	ND(0.0042)	ND(0.0067)
sec-Butylbenzene	100	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	ND(0.0043)	ND(0.0051)	ND(0.0042)	ND(0.0067)
tert-Butylbenzene	100	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	ND(0.0043)	ND(0.0051)	ND(0.0042)	ND(0.0067)
Tetrachloroethene	19	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	0.00062 J	ND(0.0051)	ND(0.0042)	ND(0.0067)
Toluene	100	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	ND(0.0043)	ND(0.0051)	ND(0.0042)	ND(0.0067)
trans-1,2-Dichloroethene	100	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	ND(0.0043)	ND(0.0051)	ND(0.0042)	ND(0.0067)
Trichloroethene	21	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	ND(0.0043)	ND(0.0051)	ND(0.0042)	ND(0.0067)
Vinyl Chloride	0.9	mg/kg	ND(0.0044)	ND(0.0051)	ND(0.0054)	ND(0.0042)	ND(0.0043)	ND(0.0051)	ND(0.0042)	ND(0.0067)
Xylenes (total)	100	mg/kg	ND(0.0087)	ND(0.010)	ND(0.011)	ND(0.0085)	ND(0.0085)	ND(0.010)	ND(0.0085)	ND(0.013)

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Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected: / Sample Name: / Parameters	Restricted Use SCOs	Units	B-6 08/14/13 HOHAOC2-B-6 (2)	B-7 08/14/13 HOHAOC2-B-7	B-7 08/14/13 HOHAOC2-B-7 (2)	B-8 08/14/13 HOHAOC2-B-8	B-8 08/14/13 HOHAOC2-B-8 (2)	B-9 08/14/13 HOHAOC2-B-9	B-9 08/14/13 HOHAOC2-B-9 (2)	B-10 08/14/13 HOHAOC2-B-10
Semivolatile Organics										
(z)-9-octadecenamide	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
1,4-Dihydroxy-9,10-anthracendione	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
1-Hydroxy-9,10-anthracenedione	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,2-Oxybis (1-Chloropropane)	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dichlorophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dimethylphenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2-Chloronaphthalene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2-Chlorophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylnaphthalene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2-Methylphenol	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
2-Nitroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
2-Nitrophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
3-Nitroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
4-Chloroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
4-Methylphenol	100	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitroaniline	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
4-Nitrophenol	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
9,10-Anthracenedione	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Acenaphthene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Acenaphthylene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Acetophenone	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Anthracene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Atrazine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Benzaldehyde	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	1	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Benzo(a)pyrene	1	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Benzo(b)fluoranthene	1	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Benzo(g,h,i)perylene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Benzo(k)fluoranthene	3.9	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Biphenyl	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA

See Notes on Page 29.

Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected: / Sample Name: / Parameters	Restricted Use SCOs	Units	B-6 08/14/13 HOHAOC2-B-6 (2)	B-7 08/14/13 HOHAOC2-B-7	B-7 08/14/13 HOHAOC2-B-7 (2)	B-8 08/14/13 HOHAOC2-B-8	B-8 08/14/13 HOHAOC2-B-8 (2)	B-9 08/14/13 HOHAOC2-B-9	B-9 08/14/13 HOHAOC2-B-9 (2)	B-10 08/14/13 HOHAOC2-B-10
Semivolatile Organics (cont.)										
bis(2-Chloroethoxy)methane	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Butylbenzylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Caprolactam	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Carbazole	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Chrysene	3.9	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Dibenzo(a,h)anthracene	0.33	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Dibenzofuran	59	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Diethylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Dimethylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Butylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Di-n-Octylphthalate	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Fluoranthene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Fluorene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Hexachlorobenzene	1.2	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Hexachlorobutadiene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Hexachloroethane	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Isophorone	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
m & p - Cresol	--	mg/kg	NA	ND(0.33)	NA	ND(0.33)	NA	ND(0.33)	NA	ND(0.33)
Naphthalene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Nitrobenzene	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
o-Toluidine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Pentachlorophenol	6.7	mg/kg	NA	ND(0.33)	NA	ND(0.33)	NA	ND(0.33)	NA	ND(0.33)
Phenanthrene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Phenol	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
p-Toluidine	--	mg/kg	NA	NA	NA	NA	NA	NA	NA	NA
Pyrene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)	NA	ND(0.17)
Inorganics										
Arsenic	16	mg/kg	NA	0.590 J	NA	1.20 J	NA	1.00 J	NA	1.40 J
Barium	400	mg/kg	NA	14.9	NA	8.90	NA	16.4	NA	8.70
Beryllium	72	mg/kg	NA	0.120 J	NA	0.230	NA	0.220	NA	0.220
Cadmium	4.3	mg/kg	NA	ND(0.2)	NA	0.0520 J	NA	0.0720 J	NA	0.0740 J
Chromium	--	mg/kg	NA	7.70	NA	3.60	NA	10.5	NA	3.50
Chromium, hexavalent	110	mg/kg	NA	ND(0.82)	NA	ND(0.81)	NA	ND(0.81)	NA	ND(0.81)
Chromium, trivalent	180	mg/kg	NA	7.70	NA	3.60	NA	10.5	NA	3.50
Copper	270	mg/kg	NA	119	NA	146	NA	119	NA	136

See Notes on Page 29.

Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected: / Sample Name: / Parameters	Restricted Use SCOs	Units	B-6 08/14/13 HOHAOC2-B-6 (2)	B-7 08/14/13 HOHAOC2-B-7	B-7 08/14/13 HOHAOC2-B-7 (2)	B-8 08/14/13 HOHAOC2-B-8	B-8 08/14/13 HOHAOC2-B-8 (2)	B-9 08/14/13 HOHAOC2-B-9	B-9 08/14/13 HOHAOC2-B-9 (2)	B-10 08/14/13 HOHAOC2-B-10
Inorganics (cont.)										
Cyanide	27	mg/kg	NA	ND(1.0)	NA	ND(1.0)	NA	ND(0.97)	NA	ND(0.95)
Lead	400	mg/kg	NA	2.60	NA	2.00	NA	58.7	NA	3.40
Manganese	2,000	mg/kg	NA	118	NA	117	NA	117	NA	131
Mercury	0.81	mg/kg	NA	ND(0.021)	NA	ND(0.019)	NA	ND(0.021)	NA	ND(0.021)
Nickel	310	mg/kg	NA	19.6	NA	16.4	NA	21.5	NA	15.7
Selenium	180	mg/kg	NA	0.470 J	NA	ND(4.0)	NA	ND(4.0)	NA	ND(4.2)
Silver	180	mg/kg	NA	ND(0.5)	NA	ND(0.5)	NA	ND(0.51)	NA	ND(0.53)
Zinc	10,000	mg/kg	NA	34.0 B	NA	31.5 B	NA	33.4 B	NA	31.0 B
Organochlorine Pesticides										
4,4'-DDD	13	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
4,4'-DDE	8.9	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
4,4'-DDT	7.9	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Aldrin	0.097	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Alpha-BHC	0.48	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Alpha-Chlordane	4.2	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Beta-BHC	0.36	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Delta-BHC	100	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Dieldrin	0.2	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Endosulfan I	24	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Endosulfan II	24	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Endosulfan Sulfate	24	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Endrin	11	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Gamma-BHC (Lindane)	1.3	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Heptachlor	2.1	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)	NA	ND(0.0017)
Herbicides										
2,4,5-TP	100	mg/kg	NA	ND(0.017)	NA	ND(0.017)	NA	ND(0.017)	NA	ND(0.017)
Miscellaneous										
Percent Moisture	--	%	3.30	2.50	2.50	1.60	1.60	1.40	1.40	0.970
Percent Solids	--	%	97.0	97.0	97.0	98.0	98.0	99.0	99.0	99.0

See Notes on Page 29.

Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected: / Sample Name: / Parameters	Restricted Use SCOs	Units	B-10 08/14/13 HOHAOC2-B-10 (2)	B-11 08/14/13 HOHAOC2-B-11	B-11 08/14/13 HOHAOC2-B-11 (2)	B-12 08/14/13 HOHAOC2-B-12	B-12 08/14/13 HOHAOC2-B-12 (2)
PCBs							
Aroclor-1221	--	mg/kg	NA	ND(0.18)	NA	ND(0.24)	NA
Aroclor-1232	--	mg/kg	NA	ND(0.18)	NA	ND(0.24)	NA
Aroclor-1242	--	mg/kg	NA	ND(0.18)	NA	ND(0.24)	NA
Aroclor-1248	--	mg/kg	NA	ND(0.18)	NA	ND(0.24)	NA
Aroclor-1254	--	mg/kg	NA	ND(0.18)	NA	ND(0.24)	NA
Aroclor-1260	--	mg/kg	NA	ND(0.18)	NA	ND(0.24)	NA
Volatile Organics							
1,1,1-Trichloroethane	100	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
1,1-Dichloroethane	26	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
1,1-Dichloroethene	100	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
1,2,4-Trimethylbenzene	52	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
1,2-Dichlorobenzene	100	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
1,2-Dichloroethane	3.1	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
1,3,5-Trimethylbenzene	52	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
1,3-Dichlorobenzene	49	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
1,4-Dichlorobenzene	13	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
1,4-Dioxane	13	mg/kg	ND(0.17)	ND(0.19)	ND(0.21)	ND(0.17)	ND(0.17)
2-Butanone	100	mg/kg	ND(0.021)	ND(0.024)	ND(0.026)	ND(0.021)	ND(0.022)
Acetone	100	mg/kg	ND(0.021)	ND(0.024)	0.0049 J	ND(0.021)	ND(0.022)
Benzene	4.8	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
Carbon Tetrachloride	2.4	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
Chlorobenzene	100	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
Chloroform	49	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
cis-1,2-Dichloroethene	100	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
Ethylbenzene	41	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
Methyl tert-butyl ether	100	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
Methylene Chloride	100	mg/kg	0.0061	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
n-Butylbenzene	100	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
n-Propylbenzene	100	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
sec-Butylbenzene	100	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
tert-Butylbenzene	100	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
Tetrachloroethene	19	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
Toluene	100	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
trans-1,2-Dichloroethene	100	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
Trichloroethene	21	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
Vinyl Chloride	0.9	mg/kg	ND(0.0043)	ND(0.0047)	ND(0.0053)	ND(0.0042)	ND(0.0044)
Xylenes (total)	100	mg/kg	ND(0.0085)	ND(0.0094)	ND(0.011)	ND(0.0084)	ND(0.0087)

See Notes on Page 29.

Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected: / Parameters / Sample Name:	Restricted Use SCOs	Units	B-10 08/14/13 HOHAOC2-B-10 (2)	B-11 08/14/13 HOHAOC2-B-11	B-11 08/14/13 HOHAOC2-B-11 (2)	B-12 08/14/13 HOHAOC2-B-12	B-12 08/14/13 HOHAOC2-B-12 (2)
Semivolatile Organics							
(z)-9-octadecenamide	--	mg/kg	NA	NA	NA	NA	NA
1,4-Dihydroxy-9,10-anthracendione	--	mg/kg	NA	NA	NA	NA	NA
1-Hydroxy-9,10-anthracenedione	--	mg/kg	NA	NA	NA	NA	NA
2,2-Oxybis (1-Chloropropane)	--	mg/kg	NA	NA	NA	NA	NA
2,4,5-Trichlorophenol	--	mg/kg	NA	NA	NA	NA	NA
2,4,6-Trichlorophenol	--	mg/kg	NA	NA	NA	NA	NA
2,4-Dichlorophenol	--	mg/kg	NA	NA	NA	NA	NA
2,4-Dimethylphenol	--	mg/kg	NA	NA	NA	NA	NA
2,4-Dinitrophenol	--	mg/kg	NA	NA	NA	NA	NA
2,4-Dinitrotoluene	--	mg/kg	NA	NA	NA	NA	NA
2,6-Dinitrotoluene	--	mg/kg	NA	NA	NA	NA	NA
2-Chloroaniline	--	mg/kg	NA	NA	NA	NA	NA
2-Chloronaphthalene	--	mg/kg	NA	NA	NA	NA	NA
2-Chlorophenol	--	mg/kg	NA	NA	NA	NA	NA
2-Methylnaphthalene	--	mg/kg	NA	NA	NA	NA	NA
2-Methylphenol	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA
2-Nitroaniline	--	mg/kg	NA	NA	NA	NA	NA
2-Nitrophenol	--	mg/kg	NA	NA	NA	NA	NA
3,3'-Dichlorobenzidine	--	mg/kg	NA	NA	NA	NA	NA
3-Nitroaniline	--	mg/kg	NA	NA	NA	NA	NA
4,6-Dinitro-2-methylphenol	--	mg/kg	NA	NA	NA	NA	NA
4-Bromophenyl-phenylether	--	mg/kg	NA	NA	NA	NA	NA
4-Chloro-3-Methylphenol	--	mg/kg	NA	NA	NA	NA	NA
4-Chloroaniline	--	mg/kg	NA	NA	NA	NA	NA
4-Chlorophenyl-phenylether	--	mg/kg	NA	NA	NA	NA	NA
4-Methylphenol	100	mg/kg	NA	NA	NA	NA	NA
4-Nitroaniline	--	mg/kg	NA	NA	NA	NA	NA
4-Nitrophenol	--	mg/kg	NA	NA	NA	NA	NA
9,10-Anthracenedione	--	mg/kg	NA	NA	NA	NA	NA
Acenaphthene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA
Acenaphthylene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA
Acetophenone	--	mg/kg	NA	NA	NA	NA	NA
Anthracene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA
Atrazine	--	mg/kg	NA	NA	NA	NA	NA
Benzaldehyde	--	mg/kg	NA	NA	NA	NA	NA
Benzo(a)anthracene	1	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA
Benzo(a)pyrene	1	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA
Benzo(b)fluoranthene	1	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA
Benzo(g,h,i)perylene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA
Benzo(k)fluoranthene	3.9	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA
Biphenyl	--	mg/kg	NA	NA	NA	NA	NA

See Notes on Page 29.

Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected: / Sample Name: / Parameters	Restricted Use SCOs	Units	B-10 08/14/13 HOHAOC2-B-10 (2)	B-11 08/14/13 HOHAOC2-B-11	B-11 08/14/13 HOHAOC2-B-11 (2)	B-12 08/14/13 HOHAOC2-B-12	B-12 08/14/13 HOHAOC2-B-12 (2)
Semivolatile Organics (cont.)							
bis(2-Chloroethoxy)methane	--	mg/kg	NA	NA	NA	NA	NA
bis(2-Chloroethyl)ether	--	mg/kg	NA	NA	NA	NA	NA
bis(2-Ethylhexyl)phthalate	--	mg/kg	NA	NA	NA	NA	NA
Butylbenzylphthalate	--	mg/kg	NA	NA	NA	NA	NA
Caprolactam	--	mg/kg	NA	NA	NA	NA	NA
Carbazole	--	mg/kg	NA	NA	NA	NA	NA
Chrysene	3.9	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA
Dibenzo(a,h)anthracene	0.33	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA
Dibenzofuran	59	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA
Diethylphthalate	--	mg/kg	NA	NA	NA	NA	NA
Dimethylphthalate	--	mg/kg	NA	NA	NA	NA	NA
Di-n-Butylphthalate	--	mg/kg	NA	NA	NA	NA	NA
Di-n-Octylphthalate	--	mg/kg	NA	NA	NA	NA	NA
Fluoranthene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA
Fluorene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA
Hexachlorobenzene	1.2	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA
Hexachlorobutadiene	--	mg/kg	NA	NA	NA	NA	NA
Hexachlorocyclopentadiene	--	mg/kg	NA	NA	NA	NA	NA
Hexachloroethane	--	mg/kg	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	0.5	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA
Isophorone	--	mg/kg	NA	NA	NA	NA	NA
m & p - Cresol	--	mg/kg	NA	ND(0.33)	NA	ND(0.33)	NA
Naphthalene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA
Nitrobenzene	--	mg/kg	NA	NA	NA	NA	NA
N-Nitroso-di-n-propylamine	--	mg/kg	NA	NA	NA	NA	NA
N-Nitrosodiphenylamine	--	mg/kg	NA	NA	NA	NA	NA
o-Toluidine	--	mg/kg	NA	NA	NA	NA	NA
Pentachlorophenol	6.7	mg/kg	NA	ND(0.33)	NA	ND(0.33)	NA
Phenanthrene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA
Phenol	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA
p-Toluidine	--	mg/kg	NA	NA	NA	NA	NA
Pyrene	100	mg/kg	NA	ND(0.17)	NA	ND(0.17)	NA
Inorganics							
Arsenic	16	mg/kg	NA	1.00 J	NA	1.30 J	NA
Barium	400	mg/kg	NA	11.2	NA	11.8	NA
Beryllium	72	mg/kg	NA	0.240	NA	0.250	NA
Cadmium	4.3	mg/kg	NA	0.0620 J	NA	0.0680 J	NA
Chromium	--	mg/kg	NA	6.90	NA	7.80	NA
Chromium, hexavalent	110	mg/kg	NA	ND(0.81)	NA	ND(0.81)	NA
Chromium, trivalent	180	mg/kg	NA	6.90	NA	7.80	NA
Copper	270	mg/kg	NA	109	NA	122	NA

See Notes on Page 29.

Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: Date Collected: Parameters — Sample Name:	Restricted Use SCOs	Units	B-10 08/14/13 HOHAOC2-B-10 (2)	B-11 08/14/13 HOHAOC2-B-11	B-11 08/14/13 HOHAOC2-B-11 (2)	B-12 08/14/13 HOHAOC2-B-12	B-12 08/14/13 HOHAOC2-B-12 (2)
Inorganics (cont.)							
Cyanide	27	mg/kg	NA	ND(0.99)	NA	ND(0.98)	NA
Lead	400	mg/kg	NA	2.50	NA	2.00	NA
Manganese	2,000	mg/kg	NA	131	NA	121	NA
Mercury	0.81	mg/kg	NA	ND(0.021)	NA	ND(0.021)	NA
Nickel	310	mg/kg	NA	17.5	NA	17.5	NA
Selenium	180	mg/kg	NA	0.410 J	NA	ND(4.3)	NA
Silver	180	mg/kg	NA	ND(0.46)	NA	ND(0.54)	NA
Zinc	10,000	mg/kg	NA	31.9 B	NA	32.1 B	NA
Organochlorine Pesticides							
4,4'-DDD	13	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA
4,4'-DDE	8.9	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA
4,4'-DDT	7.9	mg/kg	NA	0.0013 J	NA	ND(0.0017)	NA
Aldrin	0.097	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA
Alpha-BHC	0.48	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA
Alpha-Chlordane	4.2	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA
Beta-BHC	0.36	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA
Delta-BHC	100	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA
Dieldrin	0.2	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA
Endosulfan I	24	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA
Endosulfan II	24	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA
Endosulfan Sulfate	24	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA
Endrin	11	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA
Gamma-BHC (Lindane)	1.3	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA
Heptachlor	2.1	mg/kg	NA	ND(0.0017)	NA	ND(0.0017)	NA
Herbicides							
2,4,5-TP	100	mg/kg	NA	ND(0.017)	NA	ND(0.017)	NA
Miscellaneous							
Percent Moisture	--	%	0.970	1.50	1.50	1.80	1.80
Percent Solids	--	%	99.0	99.0	99.0	98.0	98.0

See Notes on Page 29.

Table 3-2
Fill Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Notes:
1. Fill material samples were collected from pile A containing approximately 13,000 tons of soil fill material and pile B containing 12,300 tons of soil fill material at the Tilcon Facility located in Haverstraw, NY.
2. The Restricted Use SCOs were taken from Appendix 5 of the NYSDEC's DER-10/Technical Guidance for Site Investigation and Remediation.
3. mg/kg - milligrams per kilogram.
4. NA - Not Analyzed - Laboratory did not report results for this analyte.
5. ND - Analyte was not detected. The number in parentheses is the associated compound quantitation limit.

Data Qualifiers:
B - Compound was found in blank and sample.
J - Result in less than the reporting limit (RL) but greater than or equal to the method detection limit (MDL) and the concentration is an approximate value.

Table 3-3
Topsoil Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: Date Collected: Sample Name:	Restricted Use SCOs	Units	Topsoil-1-Comp-1 10/01/13 Topsoil-1-Comp-1	Topsoil-1-Comp-2 10/01/13 Topsoil-1-Comp-2	Topsoil-1-Grab-1 10/01/13 Topsoil-1-Grab-1	Topsoil-1-Grab-2 10/01/13 Topsoil-1-Grab-2	Topsoil-1-Grab-3 10/01/13 Topsoil-1-Grab-3	Topsoil-1-Grab-4 10/01/13 Topsoil-1-Grab-4	Topsoil-1-Grab-5 10/01/13 Topsoil-1-Grab-5	Topsoil-1-Grab-6 10/01/13 Topsoil-1-Grab-6
PCBs										
Aroclor-1016	--	ug/kg	ND(21)	ND(21)	NA	NA	NA	NA	NA	NA
Aroclor-1221	--	ug/kg	ND(21)	ND(21)	NA	NA	NA	NA	NA	NA
Aroclor-1232	--	ug/kg	ND(21)	ND(21)	NA	NA	NA	NA	NA	NA
Aroclor-1242	--	ug/kg	ND(21)	ND(21)	NA	NA	NA	NA	NA	NA
Aroclor-1248	--	ug/kg	ND(21)	ND(21)	NA	NA	NA	NA	NA	NA
Aroclor-1254	--	ug/kg	ND(21)	ND(21)	NA	NA	NA	NA	NA	NA
Aroclor-1260	--	ug/kg	ND(21)	ND(21)	NA	NA	NA	NA	NA	NA
Aroclor-1262	--	ug/kg	ND(21)	ND(21)	NA	NA	NA	NA	NA	NA
Aroclor-1268	--	ug/kg	ND(21)	ND(21)	NA	NA	NA	NA	NA	NA
Volatile Organics										
1,1,1-Trichloroethane	100,000	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
1,1-Dichloroethane	26,000	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
1,1-Dichloroethene	100,000	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
1,2,4-Trimethylbenzene	52,000	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
1,2-Dichlorobenzene	100,000	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
1,2-Dichloroethane	3,100	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
1,3,5-Trimethylbenzene	52,000	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
1,3-Dichlorobenzene	49,000	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
1,4-Dichlorobenzene	13,000	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
1,4-Dioxane	13,000	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
2-Butanone	100,000	ug/kg	NA	NA	ND(9.4)	ND(9.8)	ND(11)	ND(10)	ND(10)	ND(11)
Acetone	100,000	ug/kg	NA	NA	6.3 J	11 B	7.7 J	10 J	13 B	8.3 J
Benzene	4,800	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
Carbon Tetrachloride	2,400	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
Chlorobenzene	100,000	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
Chloroform	49,000	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
cis-1,2-Dichloroethene	100,000	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
Ethylbenzene	41,000	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
m,p-Xylene	--	ug/kg	NA	NA	ND(9.4)	ND(9.8)	ND(11)	ND(10)	ND(10)	ND(11)
Methyl tert-butyl ether	100,000	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
Methylene Chloride	100,000	ug/kg	NA	NA	0.98 J	1.5 J	1.1 J	1.2 J	1.4 J	1.5 J
n-Butylbenzene	100,000	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
n-Propylbenzene	100,000	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
o-Xylene	--	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
sec-Butylbenzene	100,000	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
tert-Butylbenzene	100,000	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
Tetrachloroethene	19,000	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
Toluene	100,000	ug/kg	NA	NA	ND(4.7)	ND(4.9)	2.3 J	1.5 J	6.6	ND(5.6)
trans-1,2-Dichloroethene	100,000	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
Trichloroethene	21,000	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)
Vinyl Chloride	900	ug/kg	NA	NA	ND(4.7)	ND(4.9)	ND(5.3)	ND(5.1)	ND(5.2)	ND(5.6)

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Table 3-3
Topsoil Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: Date Collected: Sample Name:	Restricted Use SCOs	Units	Topsoil-1-Comp-1 10/01/13 Topsoil-1-Comp-1	Topsoil-1-Comp-2 10/01/13 Topsoil-1-Comp-2	Topsoil-1-Grab-1 10/01/13 Topsoil-1-Grab-1	Topsoil-1-Grab-2 10/01/13 Topsoil-1-Grab-2	Topsoil-1-Grab-3 10/01/13 Topsoil-1-Grab-3	Topsoil-1-Grab-4 10/01/13 Topsoil-1-Grab-4	Topsoil-1-Grab-5 10/01/13 Topsoil-1-Grab-5	Topsoil-1-Grab-6 10/01/13 Topsoil-1-Grab-6
Semivolatile Organics										
2,4,5-TP	100,000	ug/kg	ND(3.2)	ND(3.3)	NA	NA	NA	NA	NA	NA
2-Methylphenol	100,000	ug/kg	ND(260)	ND(270)	NA	NA	NA	NA	NA	NA
3&4-Methylphenol	--	ug/kg	ND(260)	ND(270)	NA	NA	NA	NA	NA	NA
4,4'-DDD	13,000	ug/kg	22	18	NA	NA	NA	NA	NA	NA
4,4'-DDE	8,900	ug/kg	16	18	NA	NA	NA	NA	NA	NA
4,4'-DDT	7,900	ug/kg	28	26	NA	NA	NA	NA	NA	NA
Acenaphthene	100,000	ug/kg	ND(260)	ND(270)	NA	NA	NA	NA	NA	NA
Acenaphthylene	100,000	ug/kg	ND(260)	ND(270)	NA	NA	NA	NA	NA	NA
Aldrin	97	ug/kg	ND(2.6)	ND(2.7)	NA	NA	NA	NA	NA	NA
Alpha-BHC	480	ug/kg	ND(2.6)	ND(2.7)	NA	NA	NA	NA	NA	NA
Anthracene	100,000	ug/kg	ND(260)	77 J	NA	NA	NA	NA	NA	NA
Aroclor-1016	--	ug/kg	ND(21)	ND(21)	NA	NA	NA	NA	NA	NA
Aroclor-1221	--	ug/kg	ND(21)	ND(21)	NA	NA	NA	NA	NA	NA
Aroclor-1232	--	ug/kg	ND(21)	ND(21)	NA	NA	NA	NA	NA	NA
Aroclor-1242	--	ug/kg	ND(21)	ND(21)	NA	NA	NA	NA	NA	NA
Aroclor-1248	--	ug/kg	ND(21)	ND(21)	NA	NA	NA	NA	NA	NA
Aroclor-1254	--	ug/kg	ND(21)	ND(21)	NA	NA	NA	NA	NA	NA
Aroclor-1260	--	ug/kg	ND(21)	ND(21)	NA	NA	NA	NA	NA	NA
Aroclor-1262	--	ug/kg	ND(21)	ND(21)	NA	NA	NA	NA	NA	NA
Aroclor-1268	--	ug/kg	ND(21)	ND(21)	NA	NA	NA	NA	NA	NA
Arsenic	16	mg/kg	2.9	2.8	NA	NA	NA	NA	NA	NA
Barium	400	mg/kg	21	19	NA	NA	NA	NA	NA	NA
Benzo(a)anthracene	1,000	ug/kg	110 J	230 J	NA	NA	NA	NA	NA	NA
Benzo(a)pyrene	1,000	ug/kg	100 J	160 J	NA	NA	NA	NA	NA	NA
Benzo(b)fluoranthene	1,000	ug/kg	110 J	150 J	NA	NA	NA	NA	NA	NA
Benzo(g,h,i)perylene	100,000	ug/kg	67 J	110 J	NA	NA	NA	NA	NA	NA
Benzo(k)fluoranthene	3,900	ug/kg	77 J	140 J	NA	NA	NA	NA	NA	NA
Beryllium	72	mg/kg	ND(0.42)	ND(0.43)	NA	NA	NA	NA	NA	NA
Beta-BHC	360	ug/kg	ND(2.6)	ND(2.7)	NA	NA	NA	NA	NA	NA
Cadmium	4.3	mg/kg	ND(0.42)	ND(0.43)	NA	NA	NA	NA	NA	NA
Chromium	--	mg/kg	7.0	6.6	NA	NA	NA	NA	NA	NA
Chromium, hexavalent	110	mg/kg	ND(0.86)	ND(0.87)	NA	NA	NA	NA	NA	NA
Chromium, trivalent	180	mg/kg	7.0	6.6	NA	NA	NA	NA	NA	NA
Chrysene	3,900	ug/kg	130 J	240 J	NA	NA	NA	NA	NA	NA
Copper	270	mg/kg	8.4	11	NA	NA	NA	NA	NA	NA
Cyanide	27	mg/kg	1.5	0.39	NA	NA	NA	NA	NA	NA
Delta-BHC	100,000	ug/kg	ND(2.6)	ND(2.7)	NA	NA	NA	NA	NA	NA
Dibenzo(a,h)anthracene	330	ug/kg	ND(260)	37 J	NA	NA	NA	NA	NA	NA
Dibenzofuran	59,000	ug/kg	ND(260)	ND(270)	NA	NA	NA	NA	NA	NA
Dieldrin	200	ug/kg	3.8	3.2	NA	NA	NA	NA	NA	NA
Endosulfan I	24,000	ug/kg	ND(2.6)	ND(2.7)	NA	NA	NA	NA	NA	NA
Endosulfan II	24,000	ug/kg	ND(2.6)	ND(2.7)	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	24,000	ug/kg	ND(2.6)	ND(2.7)	NA	NA	NA	NA	NA	NA

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Table 3-3
Topsoil Material Sampling Results

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Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: Date Collected: Sample Name:	Restricted Use SCOs	Units	Topsoil-1-Comp-1 10/01/13 Topsoil-1-Comp-1	Topsoil-1-Comp-2 10/01/13 Topsoil-1-Comp-2	Topsoil-1-Grab-1 10/01/13 Topsoil-1-Grab-1	Topsoil-1-Grab-2 10/01/13 Topsoil-1-Grab-2	Topsoil-1-Grab-3 10/01/13 Topsoil-1-Grab-3	Topsoil-1-Grab-4 10/01/13 Topsoil-1-Grab-4	Topsoil-1-Grab-5 10/01/13 Topsoil-1-Grab-5	Topsoil-1-Grab-6 10/01/13 Topsoil-1-Grab-6
Semivolatile Organics (cont.)										
Endrin	11,000	ug/kg	ND(2.6)	ND(2.7)	NA	NA	NA	NA	NA	NA
Fluoranthene	100,000	ug/kg	200 J	510	NA	NA	NA	NA	NA	NA
Fluorene	100,000	ug/kg	ND(260)	ND(270)	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	1,300	ug/kg	ND(2.6)	ND(2.7)	NA	NA	NA	NA	NA	NA
Heptachlor	2,100	ug/kg	ND(2.6)	1.5 J	NA	NA	NA	NA	NA	NA
Hexachlorobenzene	1,200	ug/kg	ND(260)	ND(270)	NA	NA	NA	NA	NA	NA
Indeno(1,2,3-cd)pyrene	500	ug/kg	80 J	120 J	NA	NA	NA	NA	NA	NA
Lead	400	mg/kg	27	29	NA	NA	NA	NA	NA	NA
Manganese	2,000	mg/kg	100	86	NA	NA	NA	NA	NA	NA
Mercury	0.81	mg/kg	0.049	0.045	NA	NA	NA	NA	NA	NA
Naphthalene	100,000	ug/kg	ND(260)	40 J	NA	NA	NA	NA	NA	NA
Nickel	310	mg/kg	5.0	4.8	NA	NA	NA	NA	NA	NA
Pentachlorophenol	6,700	ug/kg	ND(530)	ND(530)	NA	NA	NA	NA	NA	NA
Percent Moisture	--	%	7.3	8.4	4.3	3.5	4.5	9.2	9.6	5.8
Phenanthrene	100,000	ug/kg	87 J	370	NA	NA	NA	NA	NA	NA
Phenol	100,000	ug/kg	ND(260)	ND(270)	NA	NA	NA	NA	NA	NA
Pyrene	100,000	ug/kg	180 J	370	NA	NA	NA	NA	NA	NA
Selenium	180	mg/kg	ND(0.53)	ND(0.54)	NA	NA	NA	NA	NA	NA
Silver	180	mg/kg	ND(0.42)	ND(0.43)	NA	NA	NA	NA	NA	NA
Technical Chlordane	--	ug/kg	120	140	NA	NA	NA	NA	NA	NA
Zinc	10,000	mg/kg	31	33	NA	NA	NA	NA	NA	NA
Inorganics										
Arsenic	16	mg/kg	2.85	2.78	NA	NA	NA	NA	NA	NA
Barium	400	mg/kg	21.2	19.4	NA	NA	NA	NA	NA	NA
Beryllium	72	mg/kg	ND(0.420)	ND(0.433)	NA	NA	NA	NA	NA	NA
Cadmium	4.3	mg/kg	ND(0.420)	ND(0.433)	NA	NA	NA	NA	NA	NA
Chromium	--	mg/kg	7.04	6.61	NA	NA	NA	NA	NA	NA
Copper	270	mg/kg	8.40	11.4	NA	NA	NA	NA	NA	NA
Lead	400	mg/kg	26.5	29.1	NA	NA	NA	NA	NA	NA
Manganese	2,000	mg/kg	100	86.0	NA	NA	NA	NA	NA	NA
Mercury	0.81	mg/kg	0.0494	0.0453	NA	NA	NA	NA	NA	NA
Nickel	310	mg/kg	5.01	4.81	NA	NA	NA	NA	NA	NA
Selenium	180	mg/kg	ND(0.525)	ND(0.542)	NA	NA	NA	NA	NA	NA
Silver	180	mg/kg	ND(0.42)	ND(0.433)	NA	NA	NA	NA	NA	NA
Zinc	10,000	mg/kg	30.6	32.5	NA	NA	NA	NA	NA	NA
Organochlorine Pesticides										
4,4'-DDD	13,000	ug/kg	22	18	NA	NA	NA	NA	NA	NA
4,4'-DDE	8,900	ug/kg	16	18	NA	NA	NA	NA	NA	NA
4,4'-DDT	7,900	ug/kg	28	26	NA	NA	NA	NA	NA	NA
Aldrin	97	ug/kg	ND(2.6)	ND(2.7)	NA	NA	NA	NA	NA	NA
Alpha-BHC	480	ug/kg	ND(2.6)	ND(2.7)	NA	NA	NA	NA	NA	NA
Beta-BHC	360	ug/kg	ND(2.6)	ND(2.7)	NA	NA	NA	NA	NA	NA
Delta-BHC	100,000	ug/kg	ND(2.6)	ND(2.7)	NA	NA	NA	NA	NA	NA

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Table 3-3
Topsoil Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: Date Collected: Sample Name:	Restricted Use SCOs	Units	Topsoil-1-Comp-1 10/01/13 Topsoil-1-Comp-1	Topsoil-1-Comp-2 10/01/13 Topsoil-1-Comp-2	Topsoil-1-Grab-1 10/01/13 Topsoil-1-Grab-1	Topsoil-1-Grab-2 10/01/13 Topsoil-1-Grab-2	Topsoil-1-Grab-3 10/01/13 Topsoil-1-Grab-3	Topsoil-1-Grab-4 10/01/13 Topsoil-1-Grab-4	Topsoil-1-Grab-5 10/01/13 Topsoil-1-Grab-5	Topsoil-1-Grab-6 10/01/13 Topsoil-1-Grab-6
Organochlorine Pesticides (cont.)										
Dieldrin	200	ug/kg	3.8	3.2	NA	NA	NA	NA	NA	NA
Endosulfan I	24,000	ug/kg	ND(2.6)	ND(2.7)	NA	NA	NA	NA	NA	NA
Endosulfan II	24,000	ug/kg	ND(2.6)	ND(2.7)	NA	NA	NA	NA	NA	NA
Endosulfan Sulfate	24,000	ug/kg	ND(2.6)	ND(2.7)	NA	NA	NA	NA	NA	NA
Endrin	11,000	ug/kg	ND(2.6)	ND(2.7)	NA	NA	NA	NA	NA	NA
Gamma-BHC (Lindane)	1,300	ug/kg	ND(2.6)	ND(2.7)	NA	NA	NA	NA	NA	NA
Heptachlor	2,100	ug/kg	ND(2.6)	1.5 J	NA	NA	NA	NA	NA	NA
Technical Chlordane	--	ug/kg	120	140	NA	NA	NA	NA	NA	NA
Herbicides										
2,4,5-TP	100,000	ug/kg	ND(3.2)	ND(3.3)	NA	NA	NA	NA	NA	NA
Miscellaneous										
Chromium, hexavalent	110	mg/kg	ND(0.863)	ND(0.873)	NA	NA	NA	NA	NA	NA
Chromium, trivalent	180	mg/kg	7.04	6.61	NA	NA	NA	NA	NA	NA
Cyanide	27	mg/kg	1.46	0.386	NA	NA	NA	NA	NA	NA
Percent Moisture	--	%	7.34	8.40	4.34	3.47	4.54	9.24	9.56	5.83

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Table 3-3
Topsoil Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: Date Collected: Sample Name:	Restricted Use SCOs	Units	Topsoil-1-Grab-7 10/01/13 Topsoil-1-Grab-7	Topsoil-2-Comp-1 10/01/13 Topsoil-2-Comp-1	Topsoil-2-Grab-1 10/01/13 Topsoil-2-Grab-1	Topsoil-2-Grab-2 10/01/13 Topsoil-2-Grab-2	Topsoil-3-Comp-1 10/01/13 Topsoil-3-Comp-1	Topsoil-3-Grab-1 10/01/13 Topsoil-3-Grab-1	Topsoil-3-Grab-2 10/01/13 Topsoil-3-Grab-2	Topsoil-4-Comp-1 10/01/13 Topsoil-4-Comp-1
PCBs										
Aroclor-1016	--	ug/kg	NA	ND(21)	NA	NA	ND(20)	NA	NA	ND(21)
Aroclor-1221	--	ug/kg	NA	ND(21)	NA	NA	ND(20)	NA	NA	ND(21)
Aroclor-1232	--	ug/kg	NA	ND(21)	NA	NA	ND(20)	NA	NA	ND(21)
Aroclor-1242	--	ug/kg	NA	ND(21)	NA	NA	ND(20)	NA	NA	ND(21)
Aroclor-1248	--	ug/kg	NA	ND(21)	NA	NA	ND(20)	NA	NA	ND(21)
Aroclor-1254	--	ug/kg	NA	ND(21)	NA	NA	ND(20)	NA	NA	ND(21)
Aroclor-1260	--	ug/kg	NA	ND(21)	NA	NA	ND(20)	NA	NA	ND(21)
Aroclor-1262	--	ug/kg	NA	ND(21)	NA	NA	ND(20)	NA	NA	ND(21)
Aroclor-1268	--	ug/kg	NA	ND(21)	NA	NA	ND(20)	NA	NA	ND(21)
Volatile Organics										
1,1,1-Trichloroethane	100,000	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
1,1-Dichloroethane	26,000	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
1,1-Dichloroethene	100,000	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
1,2,4-Trimethylbenzene	52,000	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
1,2-Dichlorobenzene	100,000	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
1,2-Dichloroethane	3,100	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
1,3,5-Trimethylbenzene	52,000	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
1,3-Dichlorobenzene	49,000	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
1,4-Dichlorobenzene	13,000	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
1,4-Dioxane	13,000	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
2-Butanone	100,000	ug/kg	ND(12)	NA	ND(9.7)	ND(9.7)	NA	ND(9.0)	ND(9.3)	NA
Acetone	100,000	ug/kg	8.1 J	NA	8.7 J	8.3 J	NA	10 B	8.0 J	NA
Benzene	4,800	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
Carbon Tetrachloride	2,400	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
Chlorobenzene	100,000	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
Chloroform	49,000	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
cis-1,2-Dichloroethene	100,000	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
Ethylbenzene	41,000	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
m,p-Xylene	--	ug/kg	ND(12)	NA	ND(9.7)	ND(9.7)	NA	ND(9.0)	ND(9.3)	NA
Methyl tert-butyl ether	100,000	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
Methylene Chloride	100,000	ug/kg	1.7 J	NA	1.6 J	1.5 J	NA	1.4 J	1.5 J	NA
n-Butylbenzene	100,000	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
n-Propylbenzene	100,000	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
o-Xylene	--	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
sec-Butylbenzene	100,000	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
tert-Butylbenzene	100,000	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
Tetrachloroethene	19,000	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
Toluene	100,000	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
trans-1,2-Dichloroethene	100,000	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
Trichloroethene	21,000	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA
Vinyl Chloride	900	ug/kg	ND(6.1)	NA	ND(4.8)	ND(4.8)	NA	ND(4.5)	ND(4.7)	NA

See Notes on Page 21.

Table 3-3
Topsoil Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: Date Collected: Sample Name:	Restricted Use SCOs	Units	Topsoil-1-Grab-7 10/01/13 Topsoil-1-Grab-7	Topsoil-2-Comp-1 10/01/13 Topsoil-2-Comp-1	Topsoil-2-Grab-1 10/01/13 Topsoil-2-Grab-1	Topsoil-2-Grab-2 10/01/13 Topsoil-2-Grab-2	Topsoil-3-Comp-1 10/01/13 Topsoil-3-Comp-1	Topsoil-3-Grab-1 10/01/13 Topsoil-3-Grab-1	Topsoil-3-Grab-2 10/01/13 Topsoil-3-Grab-2	Topsoil-4-Comp-1 10/01/13 Topsoil-4-Comp-1
Semivolatile Organics										
2,4,5-TP	100,000	ug/kg	NA	ND(3.2)	NA	NA	ND(3.2)	NA	NA	ND(3.2)
2-Methylphenol	100,000	ug/kg	NA	ND(260)	NA	NA	ND(260)	NA	NA	ND(260)
3&4-Methylphenol	--	ug/kg	NA	ND(260)	NA	NA	ND(260)	NA	NA	ND(260)
4,4'-DDD	13,000	ug/kg	NA	17	NA	NA	21	NA	NA	7.7
4,4'-DDE	8,900	ug/kg	NA	24	NA	NA	30	NA	NA	18
4,4'-DDT	7,900	ug/kg	NA	56	NA	NA	47	NA	NA	120
Acenaphthene	100,000	ug/kg	NA	ND(260)	NA	NA	ND(260)	NA	NA	ND(260)
Acenaphthylene	100,000	ug/kg	NA	ND(260)	NA	NA	ND(260)	NA	NA	ND(260)
Aldrin	97	ug/kg	NA	ND(2.7)	NA	NA	ND(2.6)	NA	NA	ND(2.6)
Alpha-BHC	480	ug/kg	NA	ND(2.7)	NA	NA	ND(2.6)	NA	NA	ND(2.6)
Anthracene	100,000	ug/kg	NA	65 J	NA	NA	ND(260)	NA	NA	29 J
Aroclor-1016	--	ug/kg	NA	ND(21)	NA	NA	ND(20)	NA	NA	ND(21)
Aroclor-1221	--	ug/kg	NA	ND(21)	NA	NA	ND(20)	NA	NA	ND(21)
Aroclor-1232	--	ug/kg	NA	ND(21)	NA	NA	ND(20)	NA	NA	ND(21)
Aroclor-1242	--	ug/kg	NA	ND(21)	NA	NA	ND(20)	NA	NA	ND(21)
Aroclor-1248	--	ug/kg	NA	ND(21)	NA	NA	ND(20)	NA	NA	ND(21)
Aroclor-1254	--	ug/kg	NA	ND(21)	NA	NA	ND(20)	NA	NA	ND(21)
Aroclor-1260	--	ug/kg	NA	ND(21)	NA	NA	ND(20)	NA	NA	ND(21)
Aroclor-1262	--	ug/kg	NA	ND(21)	NA	NA	ND(20)	NA	NA	ND(21)
Aroclor-1268	--	ug/kg	NA	ND(21)	NA	NA	ND(20)	NA	NA	ND(21)
Arsenic	16	mg/kg	NA	4.2	NA	NA	3.8	NA	NA	4.1
Barium	400	mg/kg	NA	26	NA	NA	26	NA	NA	25
Benzo(a)anthracene	1,000	ug/kg	NA	270	NA	NA	130 J	NA	NA	180 J
Benzo(a)pyrene	1,000	ug/kg	NA	240 J	NA	NA	150 J	NA	NA	200 J
Benzo(b)fluoranthene	1,000	ug/kg	NA	210 J	NA	NA	160 J	NA	NA	190 J
Benzo(g,h,i)perylene	100,000	ug/kg	NA	160 J	NA	NA	88 J	NA	NA	150 J
Benzo(k)fluoranthene	3,900	ug/kg	NA	260	NA	NA	130 J	NA	NA	190 J
Beryllium	72	mg/kg	NA	ND(0.42)	NA	NA	ND(0.43)	NA	NA	ND(0.41)
Beta-BHC	360	ug/kg	NA	ND(2.7)	NA	NA	ND(2.6)	NA	NA	ND(2.6)
Cadmium	4.3	mg/kg	NA	0.12 J	NA	NA	0.11 J	NA	NA	0.12 J
Chromium	--	mg/kg	NA	8.8	NA	NA	9.4	NA	NA	8.8
Chromium, hexavalent	110	mg/kg	NA	ND(0.86)	NA	NA	ND(0.85)	NA	NA	ND(0.84)
Chromium, trivalent	180	mg/kg	NA	8.8	NA	NA	9.4	NA	NA	8.8
Chrysene	3,900	ug/kg	NA	300	NA	NA	170 J	NA	NA	240 J
Copper	270	mg/kg	NA	16	NA	NA	13	NA	NA	14
Cyanide	27	mg/kg	NA	0.16	NA	NA	0.77	NA	NA	1.6
Delta-BHC	100,000	ug/kg	NA	ND(2.7)	NA	NA	ND(2.6)	NA	NA	ND(2.6)
Dibenzo(a,h)anthracene	330	ug/kg	NA	59 J	NA	NA	28 J	NA	NA	ND(260)
Dibenzofuran	59,000	ug/kg	NA	ND(260)	NA	NA	ND(260)	NA	NA	ND(260)
Dieldrin	200	ug/kg	NA	9.2	NA	NA	8.3	NA	NA	10
Endosulfan I	24,000	ug/kg	NA	ND(2.7)	NA	NA	ND(2.6)	NA	NA	ND(2.6)
Endosulfan II	24,000	ug/kg	NA	ND(2.7)	NA	NA	ND(2.6)	NA	NA	ND(2.6)
Endosulfan Sulfate	24,000	ug/kg	NA	ND(2.7)	NA	NA	ND(2.6)	NA	NA	ND(2.6)

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Table 3-3
Topsoil Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: Date Collected: Sample Name:	Restricted Use SCOs	Units	Topsoil-1-Grab-7 10/01/13 Topsoil-1-Grab-7	Topsoil-2-Comp-1 10/01/13 Topsoil-2-Comp-1	Topsoil-2-Grab-1 10/01/13 Topsoil-2-Grab-1	Topsoil-2-Grab-2 10/01/13 Topsoil-2-Grab-2	Topsoil-3-Comp-1 10/01/13 Topsoil-3-Comp-1	Topsoil-3-Grab-1 10/01/13 Topsoil-3-Grab-1	Topsoil-3-Grab-2 10/01/13 Topsoil-3-Grab-2	Topsoil-4-Comp-1 10/01/13 Topsoil-4-Comp-1
Semivolatile Organics (cont.)										
Endrin	11,000	ug/kg	NA	ND(2.7)	NA	NA	ND(2.6)	NA	NA	ND(2.6)
Fluoranthene	100,000	ug/kg	NA	530	NA	NA	310	NA	NA	330
Fluorene	100,000	ug/kg	NA	ND(260)	NA	NA	ND(260)	NA	NA	ND(260)
Gamma-BHC (Lindane)	1,300	ug/kg	NA	ND(2.7)	NA	NA	ND(2.6)	NA	NA	ND(2.6)
Heptachlor	2,100	ug/kg	NA	3.3	NA	NA	2.8	NA	NA	6.8
Hexachlorobenzene	1,200	ug/kg	NA	ND(260)	NA	NA	ND(260)	NA	NA	ND(260)
Indeno(1,2,3-cd)pyrene	500	ug/kg	NA	190 J	NA	NA	110 J	NA	NA	150 J
Lead	400	mg/kg	NA	39	NA	NA	34	NA	NA	38
Manganese	2,000	mg/kg	NA	140	NA	NA	120	NA	NA	120
Mercury	0.81	mg/kg	NA	0.050	NA	NA	0.049	NA	NA	0.047
Naphthalene	100,000	ug/kg	NA	ND(260)	NA	NA	ND(260)	NA	NA	49 J
Nickel	310	mg/kg	NA	6.4	NA	NA	6.6	NA	NA	6.2
Pentachlorophenol	6,700	ug/kg	NA	ND(520)	NA	NA	ND(520)	NA	NA	ND(510)
Percent Moisture	--	%	8.2	6.8	5.1	7.6	6.1	4.6	7.2	4.9
Phenanthrene	100,000	ug/kg	NA	240 J	NA	NA	150 J	NA	NA	110 J
Phenol	100,000	ug/kg	NA	ND(260)	NA	NA	ND(260)	NA	NA	ND(260)
Pyrene	100,000	ug/kg	NA	380	NA	NA	200 J	NA	NA	220 J
Selenium	180	mg/kg	NA	ND(0.52)	NA	NA	ND(0.53)	NA	NA	ND(0.52)
Silver	180	mg/kg	NA	0.38 J	NA	NA	ND(0.43)	NA	NA	ND(0.41)
Technical Chlordane	--	ug/kg	NA	160	NA	NA	150	NA	NA	170
Zinc	10,000	mg/kg	NA	41	NA	NA	38	NA	NA	38
Inorganics										
Arsenic	16	mg/kg	NA	4.16	NA	NA	3.78	NA	NA	4.05
Barium	400	mg/kg	NA	26.2	NA	NA	25.9	NA	NA	24.9
Beryllium	72	mg/kg	NA	ND(0.417)	NA	NA	ND(0.426)	NA	NA	ND(0.412)
Cadmium	4.3	mg/kg	NA	0.123 J	NA	NA	0.113 J	NA	NA	0.115 J
Chromium	--	mg/kg	NA	8.84	NA	NA	9.38	NA	NA	8.76
Copper	270	mg/kg	NA	16.3	NA	NA	13.4	NA	NA	13.9
Lead	400	mg/kg	NA	38.6	NA	NA	33.9	NA	NA	37.5
Manganese	2,000	mg/kg	NA	140	NA	NA	122	NA	NA	115
Mercury	0.81	mg/kg	NA	0.0497	NA	NA	0.0488	NA	NA	0.0471
Nickel	310	mg/kg	NA	6.44	NA	NA	6.63	NA	NA	6.18
Selenium	180	mg/kg	NA	ND(0.522)	NA	NA	ND(0.532)	NA	NA	ND(0.516)
Silver	180	mg/kg	NA	0.375 J	NA	NA	ND(0.426)	NA	NA	ND(0.412)
Zinc	10,000	mg/kg	NA	40.7	NA	NA	38.4	NA	NA	38.1
Organochlorine Pesticides										
4,4'-DDD	13,000	ug/kg	NA	17	NA	NA	21	NA	NA	7.7
4,4'-DDE	8,900	ug/kg	NA	24	NA	NA	30	NA	NA	18
4,4'-DDT	7,900	ug/kg	NA	56	NA	NA	47	NA	NA	120
Aldrin	97	ug/kg	NA	ND(2.7)	NA	NA	ND(2.6)	NA	NA	ND(2.6)
Alpha-BHC	480	ug/kg	NA	ND(2.7)	NA	NA	ND(2.6)	NA	NA	ND(2.6)
Beta-BHC	360	ug/kg	NA	ND(2.7)	NA	NA	ND(2.6)	NA	NA	ND(2.6)
Delta-BHC	100,000	ug/kg	NA	ND(2.7)	NA	NA	ND(2.6)	NA	NA	ND(2.6)

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Table 3-3
Topsoil Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: Date Collected: Sample Name:	Restricted Use SCOs	Units	Topsoil-1-Grab-7 10/01/13 Topsoil-1-Grab-7	Topsoil-2-Comp-1 10/01/13 Topsoil-2-Comp-1	Topsoil-2-Grab-1 10/01/13 Topsoil-2-Grab-1	Topsoil-2-Grab-2 10/01/13 Topsoil-2-Grab-2	Topsoil-3-Comp-1 10/01/13 Topsoil-3-Comp-1	Topsoil-3-Grab-1 10/01/13 Topsoil-3-Grab-1	Topsoil-3-Grab-2 10/01/13 Topsoil-3-Grab-2	Topsoil-4-Comp-1 10/01/13 Topsoil-4-Comp-1
Organochlorine Pesticides (cont.)										
Dieldrin	200	ug/kg	NA	9.2	NA	NA	8.3	NA	NA	10
Endosulfan I	24,000	ug/kg	NA	ND(2.7)	NA	NA	ND(2.6)	NA	NA	ND(2.6)
Endosulfan II	24,000	ug/kg	NA	ND(2.7)	NA	NA	ND(2.6)	NA	NA	ND(2.6)
Endosulfan Sulfate	24,000	ug/kg	NA	ND(2.7)	NA	NA	ND(2.6)	NA	NA	ND(2.6)
Endrin	11,000	ug/kg	NA	ND(2.7)	NA	NA	ND(2.6)	NA	NA	ND(2.6)
Gamma-BHC (Lindane)	1,300	ug/kg	NA	ND(2.7)	NA	NA	ND(2.6)	NA	NA	ND(2.6)
Heptachlor	2,100	ug/kg	NA	3.3	NA	NA	2.8	NA	NA	6.8
Technical Chlordane	--	ug/kg	NA	160	NA	NA	150	NA	NA	170
Herbicides										
2,4,5-TP	100,000	ug/kg	NA	ND(3.2)	NA	NA	ND(3.2)	NA	NA	ND(3.2)
Miscellaneous										
Chromium, hexavalent	110	mg/kg	NA	ND(0.858)	NA	NA	ND(0.852)	NA	NA	ND(0.841)
Chromium, trivalent	180	mg/kg	NA	8.84	NA	NA	9.38	NA	NA	8.76
Cyanide	27	mg/kg	NA	0.161	NA	NA	0.771	NA	NA	1.62
Percent Moisture	--	%	8.20	6.76	5.14	7.60	6.10	4.60	7.21	4.91

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Table 3-3
Topsoil Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: Date Collected: Sample Name:	Restricted Use SCOs	Units	Topsoil-4-Grab-1 10/01/13 Topsoil-4-Grab-1	Topsoil-4-Grab-2 10/01/13 Topsoil-4-Grab-2	Topsoil-5-Comp-1 10/01/13 Topsoil-5-Comp-1	Topsoil-5-Grab-1 10/01/13 Topsoil-5-Grab-1	Topsoil-5-Grab-2 10/01/13 Topsoil-5-Grab-2	Topsoil-6-Comp-1 10/01/13 Topsoil-6-Comp-1	Topsoil-6-Grab-1 10/01/13 Topsoil-6-Grab-1	Topsoil-6-Grab-2 10/01/13 Topsoil-6-Grab-2
PCBs										
Aroclor-1016	--	ug/kg	NA	NA	ND(21)	NA	NA	ND(21)	NA	NA
Aroclor-1221	--	ug/kg	NA	NA	ND(21)	NA	NA	ND(21)	NA	NA
Aroclor-1232	--	ug/kg	NA	NA	ND(21)	NA	NA	ND(21)	NA	NA
Aroclor-1242	--	ug/kg	NA	NA	ND(21)	NA	NA	ND(21)	NA	NA
Aroclor-1248	--	ug/kg	NA	NA	ND(21)	NA	NA	ND(21)	NA	NA
Aroclor-1254	--	ug/kg	NA	NA	ND(21)	NA	NA	ND(21)	NA	NA
Aroclor-1260	--	ug/kg	NA	NA	ND(21)	NA	NA	ND(21)	NA	NA
Aroclor-1262	--	ug/kg	NA	NA	ND(21)	NA	NA	ND(21)	NA	NA
Aroclor-1268	--	ug/kg	NA	NA	ND(21)	NA	NA	ND(21)	NA	NA
Volatile Organics										
1,1,1-Trichloroethane	100,000	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
1,1-Dichloroethane	26,000	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
1,1-Dichloroethene	100,000	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
1,2,4-Trimethylbenzene	52,000	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
1,2-Dichlorobenzene	100,000	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
1,2-Dichloroethane	3,100	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
1,3,5-Trimethylbenzene	52,000	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
1,3-Dichlorobenzene	49,000	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
1,4-Dichlorobenzene	13,000	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
1,4-Dioxane	13,000	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
2-Butanone	100,000	ug/kg	ND(9.2)	ND(11)	NA	ND(9.4)	ND(9.0)	NA	ND(9.1)	ND(9.5)
Acetone	100,000	ug/kg	10 B	11 J	NA	9.9 B	7.4 J	NA	12 B	10 B
Benzene	4,800	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
Carbon Tetrachloride	2,400	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
Chlorobenzene	100,000	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
Chloroform	49,000	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
cis-1,2-Dichloroethene	100,000	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
Ethylbenzene	41,000	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
m,p-Xylene	--	ug/kg	ND(9.2)	ND(11)	NA	ND(9.4)	ND(9.0)	NA	ND(9.1)	ND(9.5)
Methyl tert-butyl ether	100,000	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
Methylene Chloride	100,000	ug/kg	1.7 J	2.3 J	NA	1.6 J	1.6 J	NA	1.3 J	2.1 J
n-Butylbenzene	100,000	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
n-Propylbenzene	100,000	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
o-Xylene	--	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
sec-Butylbenzene	100,000	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
tert-Butylbenzene	100,000	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
Tetrachloroethene	19,000	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
Toluene	100,000	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	1.1 J
trans-1,2-Dichloroethene	100,000	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
Trichloroethene	21,000	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)
Vinyl Chloride	900	ug/kg	ND(4.6)	ND(5.4)	NA	ND(4.7)	ND(4.5)	NA	ND(4.5)	ND(4.7)

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Table 3-3
Topsoil Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: Date Collected: Sample Name:	Restricted Use SCOs	Units	Topsoil-4-Grab-1 10/01/13 Topsoil-4-Grab-1	Topsoil-4-Grab-2 10/01/13 Topsoil-4-Grab-2	Topsoil-5-Comp-1 10/01/13 Topsoil-5-Comp-1	Topsoil-5-Grab-1 10/01/13 Topsoil-5-Grab-1	Topsoil-5-Grab-2 10/01/13 Topsoil-5-Grab-2	Topsoil-6-Comp-1 10/01/13 Topsoil-6-Comp-1	Topsoil-6-Grab-1 10/01/13 Topsoil-6-Grab-1	Topsoil-6-Grab-2 10/01/13 Topsoil-6-Grab-2
Semivolatile Organics										
2,4,5-TP	100,000	ug/kg	NA	NA	ND(3.3)	NA	NA	ND(3.3)	NA	NA
2-Methylphenol	100,000	ug/kg	NA	NA	ND(260)	NA	NA	ND(270)	NA	NA
3&4-Methylphenol	--	ug/kg	NA	NA	ND(260)	NA	NA	27 J	NA	NA
4,4'-DDD	13,000	ug/kg	NA	NA	8.3	NA	NA	12	NA	NA
4,4'-DDE	8,900	ug/kg	NA	NA	23	NA	NA	16	NA	NA
4,4'-DDT	7,900	ug/kg	NA	NA	26	NA	NA	78	NA	NA
Acenaphthene	100,000	ug/kg	NA	NA	ND(260)	NA	NA	ND(270)	NA	NA
Acenaphthylene	100,000	ug/kg	NA	NA	ND(260)	NA	NA	ND(270)	NA	NA
Aldrin	97	ug/kg	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA	NA
Alpha-BHC	480	ug/kg	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA	NA
Anthracene	100,000	ug/kg	NA	NA	ND(260)	NA	NA	ND(270)	NA	NA
Aroclor-1016	--	ug/kg	NA	NA	ND(21)	NA	NA	ND(21)	NA	NA
Aroclor-1221	--	ug/kg	NA	NA	ND(21)	NA	NA	ND(21)	NA	NA
Aroclor-1232	--	ug/kg	NA	NA	ND(21)	NA	NA	ND(21)	NA	NA
Aroclor-1242	--	ug/kg	NA	NA	ND(21)	NA	NA	ND(21)	NA	NA
Aroclor-1248	--	ug/kg	NA	NA	ND(21)	NA	NA	ND(21)	NA	NA
Aroclor-1254	--	ug/kg	NA	NA	ND(21)	NA	NA	ND(21)	NA	NA
Aroclor-1260	--	ug/kg	NA	NA	ND(21)	NA	NA	ND(21)	NA	NA
Aroclor-1262	--	ug/kg	NA	NA	ND(21)	NA	NA	ND(21)	NA	NA
Aroclor-1268	--	ug/kg	NA	NA	ND(21)	NA	NA	ND(21)	NA	NA
Arsenic	16	mg/kg	NA	NA	4.0	NA	NA	3.6	NA	NA
Barium	400	mg/kg	NA	NA	25	NA	NA	23	NA	NA
Benzo(a)anthracene	1,000	ug/kg	NA	NA	160 J	NA	NA	81 J	NA	NA
Benzo(a)pyrene	1,000	ug/kg	NA	NA	150 J	NA	NA	83 J	NA	NA
Benzo(b)fluoranthene	1,000	ug/kg	NA	NA	150 J	NA	NA	98 J	NA	NA
Benzo(g,h,i)perylene	100,000	ug/kg	NA	NA	120 J	NA	NA	68 J	NA	NA
Benzo(k)fluoranthene	3,900	ug/kg	NA	NA	140 J	NA	NA	63 J	NA	NA
Beryllium	72	mg/kg	NA	NA	ND(0.43)	NA	NA	ND(0.44)	NA	NA
Beta-BHC	360	ug/kg	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA	NA
Cadmium	4.3	mg/kg	NA	NA	0.13 J	NA	NA	ND(0.44)	NA	NA
Chromium	--	mg/kg	NA	NA	8.7	NA	NA	8.2	NA	NA
Chromium, hexavalent	110	mg/kg	NA	NA	ND(0.87)	NA	NA	ND(0.88)	NA	NA
Chromium, trivalent	180	mg/kg	NA	NA	8.7	NA	NA	8.2	NA	NA
Chrysene	3,900	ug/kg	NA	NA	190 J	NA	NA	100 J	NA	NA
Copper	270	mg/kg	NA	NA	18	NA	NA	12	NA	NA
Cyanide	27	mg/kg	NA	NA	0.30	NA	NA	1.6	NA	NA
Delta-BHC	100,000	ug/kg	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA	NA
Dibenzo(a,h)anthracene	330	ug/kg	NA	NA	ND(260)	NA	NA	ND(270)	NA	NA
Dibenzofuran	59,000	ug/kg	NA	NA	ND(260)	NA	NA	ND(270)	NA	NA
Dieldrin	200	ug/kg	NA	NA	3.2	NA	NA	6.2	NA	NA
Endosulfan I	24,000	ug/kg	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA	NA
Endosulfan II	24,000	ug/kg	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA	NA
Endosulfan Sulfate	24,000	ug/kg	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA	NA

See Notes on Page 21.

Table 3-3
Topsoil Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: Date Collected: Sample Name:	Restricted Use SCOs	Units	Topsoil-4-Grab-1 10/01/13 Topsoil-4-Grab-1	Topsoil-4-Grab-2 10/01/13 Topsoil-4-Grab-2	Topsoil-5-Comp-1 10/01/13 Topsoil-5-Comp-1	Topsoil-5-Grab-1 10/01/13 Topsoil-5-Grab-1	Topsoil-5-Grab-2 10/01/13 Topsoil-5-Grab-2	Topsoil-6-Comp-1 10/01/13 Topsoil-6-Comp-1	Topsoil-6-Grab-1 10/01/13 Topsoil-6-Grab-1	Topsoil-6-Grab-2 10/01/13 Topsoil-6-Grab-2
Semivolatile Organics (cont.)										
Endrin	11,000	ug/kg	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA	NA
Fluoranthene	100,000	ug/kg	NA	NA	320	NA	NA	120 J	NA	NA
Fluorene	100,000	ug/kg	NA	NA	ND(260)	NA	NA	ND(270)	NA	NA
Gamma-BHC (Lindane)	1,300	ug/kg	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA	NA
Heptachlor	2,100	ug/kg	NA	NA	1.1 J	NA	NA	4.5	NA	NA
Hexachlorobenzene	1,200	ug/kg	NA	NA	ND(260)	NA	NA	ND(270)	NA	NA
Indeno(1,2,3-cd)pyrene	500	ug/kg	NA	NA	120 J	NA	NA	66 J	NA	NA
Lead	400	mg/kg	NA	NA	42	NA	NA	32	NA	NA
Manganese	2,000	mg/kg	NA	NA	120	NA	NA	110	NA	NA
Mercury	0.81	mg/kg	NA	NA	0.048	NA	NA	0.053	NA	NA
Naphthalene	100,000	ug/kg	NA	NA	ND(260)	NA	NA	ND(270)	NA	NA
Nickel	310	mg/kg	NA	NA	6.1	NA	NA	5.9	NA	NA
Pentachlorophenol	6,700	ug/kg	NA	NA	ND(520)	NA	NA	ND(540)	NA	NA
Percent Moisture	--	%	6.0	1.3	8.0	5.1	8.4	9.5	6.0	0.87
Phenanthrene	100,000	ug/kg	NA	NA	120 J	NA	NA	69 J	NA	NA
Phenol	100,000	ug/kg	NA	NA	ND(260)	NA	NA	ND(270)	NA	NA
Pyrene	100,000	ug/kg	NA	NA	240 J	NA	NA	150 J	NA	NA
Selenium	180	mg/kg	NA	NA	ND(0.53)	NA	NA	ND(0.55)	NA	NA
Silver	180	mg/kg	NA	NA	ND(0.43)	NA	NA	ND(0.44)	NA	NA
Technical Chlordane	--	ug/kg	NA	NA	85	NA	NA	140	NA	NA
Zinc	10,000	mg/kg	NA	NA	43	NA	NA	37	NA	NA
Inorganics										
Arsenic	16	mg/kg	NA	NA	4.01	NA	NA	3.56	NA	NA
Barium	400	mg/kg	NA	NA	24.8	NA	NA	23.3	NA	NA
Beryllium	72	mg/kg	NA	NA	ND(0.425)	NA	NA	ND(0.442)	NA	NA
Cadmium	4.3	mg/kg	NA	NA	0.131 J	NA	NA	ND(0.442)	NA	NA
Chromium	--	mg/kg	NA	NA	8.70	NA	NA	8.21	NA	NA
Copper	270	mg/kg	NA	NA	17.6	NA	NA	11.5	NA	NA
Lead	400	mg/kg	NA	NA	41.9	NA	NA	31.6	NA	NA
Manganese	2,000	mg/kg	NA	NA	115	NA	NA	111	NA	NA
Mercury	0.81	mg/kg	NA	NA	0.0481	NA	NA	0.0533	NA	NA
Nickel	310	mg/kg	NA	NA	6.11	NA	NA	5.86	NA	NA
Selenium	180	mg/kg	NA	NA	ND(0.531)	NA	NA	ND(0.552)	NA	NA
Silver	180	mg/kg	NA	NA	ND(0.425)	NA	NA	ND(0.442)	NA	NA
Zinc	10,000	mg/kg	NA	NA	43.0	NA	NA	36.6	NA	NA
Organochlorine Pesticides										
4,4'-DDD	13,000	ug/kg	NA	NA	8.3	NA	NA	12	NA	NA
4,4'-DDE	8,900	ug/kg	NA	NA	23	NA	NA	16	NA	NA
4,4'-DDT	7,900	ug/kg	NA	NA	26	NA	NA	78	NA	NA
Aldrin	97	ug/kg	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA	NA
Alpha-BHC	480	ug/kg	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA	NA
Beta-BHC	360	ug/kg	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA	NA
Delta-BHC	100,000	ug/kg	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA	NA

See Notes on Page 21.

Table 3-3
Topsoil Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: Date Collected: Sample Name:	Restricted Use SCOs	Units	Topsoil-4-Grab-1 10/01/13 Topsoil-4-Grab-1	Topsoil-4-Grab-2 10/01/13 Topsoil-4-Grab-2	Topsoil-5-Comp-1 10/01/13 Topsoil-5-Comp-1	Topsoil-5-Grab-1 10/01/13 Topsoil-5-Grab-1	Topsoil-5-Grab-2 10/01/13 Topsoil-5-Grab-2	Topsoil-6-Comp-1 10/01/13 Topsoil-6-Comp-1	Topsoil-6-Grab-1 10/01/13 Topsoil-6-Grab-1	Topsoil-6-Grab-2 10/01/13 Topsoil-6-Grab-2
Organochlorine Pesticides (cont.)										
Dieldrin	200	ug/kg	NA	NA	3.2	NA	NA	6.2	NA	NA
Endosulfan I	24,000	ug/kg	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA	NA
Endosulfan II	24,000	ug/kg	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA	NA
Endosulfan Sulfate	24,000	ug/kg	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA	NA
Endrin	11,000	ug/kg	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA	NA
Gamma-BHC (Lindane)	1,300	ug/kg	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA	NA
Heptachlor	2,100	ug/kg	NA	NA	1.1 J	NA	NA	4.5	NA	NA
Technical Chlordane	--	ug/kg	NA	NA	85	NA	NA	140	NA	NA
Herbicides										
2,4,5-TP	100,000	ug/kg	NA	NA	ND(3.3)	NA	NA	ND(3.3)	NA	NA
Miscellaneous										
Chromium, hexavalent	110	mg/kg	NA	NA	ND(0.870)	NA	NA	ND(0.884)	NA	NA
Chromium, trivalent	180	mg/kg	NA	NA	8.70	NA	NA	8.21	NA	NA
Cyanide	27	mg/kg	NA	NA	0.295	NA	NA	1.58	NA	NA
Percent Moisture	--	%	5.99	1.26	8.02	5.06	8.40	9.50	5.97	0.870

See Notes on Page 21.

Table 3-3
Topsoil Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: Date Collected: Sample Name:	Restricted Use SCOs	Units	Topsoil-7-Comp-1 10/01/13 Topsoil-7-Comp-1	Topsoil-7-Grab-1 10/01/13 Topsoil-7-Grab-1	Topsoil-7-Grab-2 10/01/13 Topsoil-7-Grab-2	Topsoil-8-Comp-1 10/01/13 Topsoil-8-Comp-1	Topsoil-8-Grab-1 10/01/13 Topsoil-8-Grab-1	Topsoil-8-Grab-2 10/01/13 Topsoil-8-Grab-2	Topsoil-9-Comp-1 10/01/13 Topsoil-9-Comp-1	Topsoil-9-Grab-1 10/01/13 Topsoil-9-Grab-1
PCBs										
Aroclor-1016	--	ug/kg	ND(21)	NA	NA	ND(21)	NA	NA	ND(20)	NA
Aroclor-1221	--	ug/kg	ND(21)	NA	NA	ND(21)	NA	NA	ND(20)	NA
Aroclor-1232	--	ug/kg	ND(21)	NA	NA	ND(21)	NA	NA	ND(20)	NA
Aroclor-1242	--	ug/kg	ND(21)	NA	NA	ND(21)	NA	NA	ND(20)	NA
Aroclor-1248	--	ug/kg	ND(21)	NA	NA	ND(21)	NA	NA	ND(20)	NA
Aroclor-1254	--	ug/kg	ND(21)	NA	NA	ND(21)	NA	NA	ND(20)	NA
Aroclor-1260	--	ug/kg	ND(21)	NA	NA	ND(21)	NA	NA	ND(20)	NA
Aroclor-1262	--	ug/kg	ND(21)	NA	NA	ND(21)	NA	NA	ND(20)	NA
Aroclor-1268	--	ug/kg	ND(21)	NA	NA	ND(21)	NA	NA	ND(20)	NA
Volatile Organics										
1,1,1-Trichloroethane	100,000	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
1,1-Dichloroethane	26,000	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
1,1-Dichloroethene	100,000	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
1,2,4-Trimethylbenzene	52,000	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
1,2-Dichlorobenzene	100,000	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
1,2-Dichloroethane	3,100	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
1,3,5-Trimethylbenzene	52,000	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
1,3-Dichlorobenzene	49,000	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
1,4-Dichlorobenzene	13,000	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
1,4-Dioxane	13,000	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
2-Butanone	100,000	ug/kg	NA	ND(9.3)	ND(9.2)	NA	ND(7.9)	ND(9.6)	NA	ND(8.6)
Acetone	100,000	ug/kg	NA	14 B	20 B	NA	10 B	16 B	NA	13 B
Benzene	4,800	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
Carbon Tetrachloride	2,400	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
Chlorobenzene	100,000	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
Chloroform	49,000	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
cis-1,2-Dichloroethene	100,000	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
Ethylbenzene	41,000	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
m,p-Xylene	--	ug/kg	NA	ND(9.3)	ND(9.2)	NA	ND(7.9)	ND(9.6)	NA	ND(8.6)
Methyl tert-butyl ether	100,000	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
Methylene Chloride	100,000	ug/kg	NA	1.9 J	1.7 J	NA	1.2 J	1.5 J	NA	1.2 J
n-Butylbenzene	100,000	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
n-Propylbenzene	100,000	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
o-Xylene	--	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
sec-Butylbenzene	100,000	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
tert-Butylbenzene	100,000	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
Tetrachloroethene	19,000	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
Toluene	100,000	ug/kg	NA	ND(4.6)	5.1	NA	ND(3.9)	2.6 J	NA	ND(4.3)
trans-1,2-Dichloroethene	100,000	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
Trichloroethene	21,000	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)
Vinyl Chloride	900	ug/kg	NA	ND(4.6)	ND(4.6)	NA	ND(3.9)	ND(4.8)	NA	ND(4.3)

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Table 3-3
Topsoil Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: Date Collected: Sample Name:	Restricted Use SCOs	Units	Topsoil-7-Comp-1 10/01/13 Topsoil-7-Comp-1	Topsoil-7-Grab-1 10/01/13 Topsoil-7-Grab-1	Topsoil-7-Grab-2 10/01/13 Topsoil-7-Grab-2	Topsoil-8-Comp-1 10/01/13 Topsoil-8-Comp-1	Topsoil-8-Grab-1 10/01/13 Topsoil-8-Grab-1	Topsoil-8-Grab-2 10/01/13 Topsoil-8-Grab-2	Topsoil-9-Comp-1 10/01/13 Topsoil-9-Comp-1	Topsoil-9-Grab-1 10/01/13 Topsoil-9-Grab-1
Semivolatile Organics										
2,4,5-TP	100,000	ug/kg	ND(3.2)	NA	NA	ND(3.1)	NA	NA	ND(3.2)	NA
2-Methylphenol	100,000	ug/kg	ND(260)	NA	NA	ND(260)	NA	NA	ND(260)	NA
3&4-Methylphenol	--	ug/kg	42 J	NA	NA	ND(260)	NA	NA	ND(260)	NA
4,4'-DDD	13,000	ug/kg	10	NA	NA	7.4	NA	NA	3.6	NA
4,4'-DDE	8,900	ug/kg	16	NA	NA	16	NA	NA	20	NA
4,4'-DDT	7,900	ug/kg	19	NA	NA	60	NA	NA	31	NA
Acenaphthene	100,000	ug/kg	ND(260)	NA	NA	ND(260)	NA	NA	ND(260)	NA
Acenaphthylene	100,000	ug/kg	ND(260)	NA	NA	ND(260)	NA	NA	ND(260)	NA
Aldrin	97	ug/kg	ND(2.6)	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA
Alpha-BHC	480	ug/kg	ND(2.6)	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA
Anthracene	100,000	ug/kg	38 J	NA	NA	35 J	NA	NA	27 J	NA
Aroclor-1016	--	ug/kg	ND(21)	NA	NA	ND(21)	NA	NA	ND(20)	NA
Aroclor-1221	--	ug/kg	ND(21)	NA	NA	ND(21)	NA	NA	ND(20)	NA
Aroclor-1232	--	ug/kg	ND(21)	NA	NA	ND(21)	NA	NA	ND(20)	NA
Aroclor-1242	--	ug/kg	ND(21)	NA	NA	ND(21)	NA	NA	ND(20)	NA
Aroclor-1248	--	ug/kg	ND(21)	NA	NA	ND(21)	NA	NA	ND(20)	NA
Aroclor-1254	--	ug/kg	ND(21)	NA	NA	ND(21)	NA	NA	ND(20)	NA
Aroclor-1260	--	ug/kg	ND(21)	NA	NA	ND(21)	NA	NA	ND(20)	NA
Aroclor-1262	--	ug/kg	ND(21)	NA	NA	ND(21)	NA	NA	ND(20)	NA
Aroclor-1268	--	ug/kg	ND(21)	NA	NA	ND(21)	NA	NA	ND(20)	NA
Arsenic	16	mg/kg	4.0	NA	NA	3.7	NA	NA	5.3	NA
Barium	400	mg/kg	25	NA	NA	24	NA	NA	25	NA
Benzo(a)anthracene	1,000	ug/kg	180 J	NA	NA	230 J	NA	NA	160 J	NA
Benzo(a)pyrene	1,000	ug/kg	180 J	NA	NA	210 J	NA	NA	170 J	NA
Benzo(b)fluoranthene	1,000	ug/kg	180 J	NA	NA	230 J	NA	NA	190 J	NA
Benzo(g,h,i)perylene	100,000	ug/kg	130 J	NA	NA	170 J	NA	NA	130 J	NA
Benzo(k)fluoranthene	3,900	ug/kg	150 J	NA	NA	190 J	NA	NA	150 J	NA
Beryllium	72	mg/kg	ND(0.43)	NA	NA	ND(0.41)	NA	NA	ND(0.40)	NA
Beta-BHC	360	ug/kg	ND(2.6)	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA
Cadmium	4.3	mg/kg	0.15 J	NA	NA	0.14 J	NA	NA	0.21 J	NA
Chromium	--	mg/kg	8.5	NA	NA	8.4	NA	NA	9.4	NA
Chromium, hexavalent	110	mg/kg	ND(0.86)	NA	NA	ND(0.84)	NA	NA	ND(0.84)	NA
Chromium, trivalent	180	mg/kg	8.5	NA	NA	8.4	NA	NA	9.4	NA
Chrysene	3,900	ug/kg	230 J	NA	NA	280	NA	NA	220 J	NA
Copper	270	mg/kg	16	NA	NA	13	NA	NA	40	NA
Cyanide	27	mg/kg	0.92	NA	NA	5.0	NA	NA	7.9	NA
Delta-BHC	100,000	ug/kg	ND(2.6)	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA
Dibenzo(a,h)anthracene	330	ug/kg	29 J	NA	NA	28 J	NA	NA	32 J	NA
Dibenzofuran	59,000	ug/kg	ND(260)	NA	NA	ND(260)	NA	NA	ND(260)	NA
Dieldrin	200	ug/kg	3.1	NA	NA	ND(2.6)	NA	NA	16	NA
Endosulfan I	24,000	ug/kg	ND(2.6)	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA
Endosulfan II	24,000	ug/kg	ND(2.6)	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA
Endosulfan Sulfate	24,000	ug/kg	ND(2.6)	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA

See Notes on Page 21.

Table 3-3
Topsoil Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: Date Collected: Sample Name:	Restricted Use SCOs	Units	Topsoil-7-Comp-1 10/01/13 Topsoil-7-Comp-1	Topsoil-7-Grab-1 10/01/13 Topsoil-7-Grab-1	Topsoil-7-Grab-2 10/01/13 Topsoil-7-Grab-2	Topsoil-8-Comp-1 10/01/13 Topsoil-8-Comp-1	Topsoil-8-Grab-1 10/01/13 Topsoil-8-Grab-1	Topsoil-8-Grab-2 10/01/13 Topsoil-8-Grab-2	Topsoil-9-Comp-1 10/01/13 Topsoil-9-Comp-1	Topsoil-9-Grab-1 10/01/13 Topsoil-9-Grab-1
Semivolatile Organics (cont.)										
Endrin	11,000	ug/kg	ND(2.6)	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA
Fluoranthene	100,000	ug/kg	360	NA	NA	360	NA	NA	260 J	NA
Fluorene	100,000	ug/kg	ND(260)	NA	NA	ND(260)	NA	NA	ND(260)	NA
Gamma-BHC (Lindane)	1,300	ug/kg	ND(2.6)	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA
Heptachlor	2,100	ug/kg	1.3 J	NA	NA	4.8	NA	NA	2.1 J	NA
Hexachlorobenzene	1,200	ug/kg	ND(260)	NA	NA	ND(260)	NA	NA	ND(260)	NA
Indeno(1,2,3-cd)pyrene	500	ug/kg	140 J	NA	NA	170 J	NA	NA	130 J	NA
Lead	400	mg/kg	40	NA	NA	38	NA	NA	72	NA
Manganese	2,000	mg/kg	110	NA	NA	99	NA	NA	120	NA
Mercury	0.81	mg/kg	0.060	NA	NA	0.048	NA	NA	0.058	NA
Naphthalene	100,000	ug/kg	ND(260)	NA	NA	38 J	NA	NA	29 J	NA
Nickel	310	mg/kg	5.9	NA	NA	5.9	NA	NA	6.4	NA
Pentachlorophenol	6,700	ug/kg	ND(520)	NA	NA	ND(510)	NA	NA	ND(520)	NA
Percent Moisture	--	%	6.8	4.1	15	4.4	4.0	12	5.0	3.1
Phenanthrene	100,000	ug/kg	240 J	NA	NA	160 J	NA	NA	120 J	NA
Phenol	100,000	ug/kg	ND(260)	NA	NA	ND(260)	NA	NA	ND(260)	NA
Pyrene	100,000	ug/kg	420	NA	NA	450	NA	NA	320	NA
Selenium	180	mg/kg	ND(0.53)	NA	NA	ND(0.51)	NA	NA	ND(0.50)	NA
Silver	180	mg/kg	ND(0.43)	NA	NA	ND(0.41)	NA	NA	ND(0.40)	NA
Technical Chlordane	--	ug/kg	79	NA	NA	150	NA	NA	84	NA
Zinc	10,000	mg/kg	44	NA	NA	41	NA	NA	60	NA
Inorganics										
Arsenic	16	mg/kg	4.03	NA	NA	3.71	NA	NA	5.30	NA
Barium	400	mg/kg	24.7	NA	NA	23.7	NA	NA	25.3	NA
Beryllium	72	mg/kg	ND(0.427)	NA	NA	ND(0.410)	NA	NA	ND(0.402)	NA
Cadmium	4.3	mg/kg	0.152 J	NA	NA	0.142 J	NA	NA	0.210 J	NA
Chromium	--	mg/kg	8.50	NA	NA	8.41	NA	NA	9.39	NA
Copper	270	mg/kg	16.1	NA	NA	13.4	NA	NA	39.5	NA
Lead	400	mg/kg	39.8	NA	NA	38.2	NA	NA	72.0	NA
Manganese	2,000	mg/kg	110	NA	NA	98.7	NA	NA	122	NA
Mercury	0.81	mg/kg	0.0604	NA	NA	0.0481	NA	NA	0.0584	NA
Nickel	310	mg/kg	5.85	NA	NA	5.92	NA	NA	6.35	NA
Selenium	180	mg/kg	ND(0.534)	NA	NA	ND(0.513)	NA	NA	ND(0.502)	NA
Silver	180	mg/kg	ND(0.427)	NA	NA	ND(0.410)	NA	NA	ND(0.402)	NA
Zinc	10,000	mg/kg	44.3	NA	NA	41.2	NA	NA	60.4	NA
Organochlorine Pesticides										
4,4'-DDD	13,000	ug/kg	10	NA	NA	7.4	NA	NA	3.6	NA
4,4'-DDE	8,900	ug/kg	16	NA	NA	16	NA	NA	20	NA
4,4'-DDT	7,900	ug/kg	19	NA	NA	60	NA	NA	31	NA
Aldrin	97	ug/kg	ND(2.6)	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA
Alpha-BHC	480	ug/kg	ND(2.6)	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA
Beta-BHC	360	ug/kg	ND(2.6)	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA
Delta-BHC	100,000	ug/kg	ND(2.6)	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA

See Notes on Page 21.

Table 3-3
Topsoil Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: Date Collected: Sample Name:	Restricted Use SCOs	Units	Topsoil-7-Comp-1 10/01/13 Topsoil-7-Comp-1	Topsoil-7-Grab-1 10/01/13 Topsoil-7-Grab-1	Topsoil-7-Grab-2 10/01/13 Topsoil-7-Grab-2	Topsoil-8-Comp-1 10/01/13 Topsoil-8-Comp-1	Topsoil-8-Grab-1 10/01/13 Topsoil-8-Grab-1	Topsoil-8-Grab-2 10/01/13 Topsoil-8-Grab-2	Topsoil-9-Comp-1 10/01/13 Topsoil-9-Comp-1	Topsoil-9-Grab-1 10/01/13 Topsoil-9-Grab-1
Organochlorine Pesticides (cont.)										
Dieldrin	200	ug/kg	3.1	NA	NA	ND(2.6)	NA	NA	16	NA
Endosulfan I	24,000	ug/kg	ND(2.6)	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA
Endosulfan II	24,000	ug/kg	ND(2.6)	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA
Endosulfan Sulfate	24,000	ug/kg	ND(2.6)	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA
Endrin	11,000	ug/kg	ND(2.6)	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA
Gamma-BHC (Lindane)	1,300	ug/kg	ND(2.6)	NA	NA	ND(2.6)	NA	NA	ND(2.6)	NA
Heptachlor	2,100	ug/kg	1.3 J	NA	NA	4.8	NA	NA	2.1 J	NA
Technical Chlordane	--	ug/kg	79	NA	NA	150	NA	NA	84	NA
Herbicides										
2,4,5-TP	100,000	ug/kg	ND(3.2)	NA	NA	ND(3.1)	NA	NA	ND(3.2)	NA
Miscellaneous										
Chromium, hexavalent	110	mg/kg	ND(0.858)	NA	NA	ND(0.837)	NA	NA	ND(0.842)	NA
Chromium, trivalent	180	mg/kg	8.50	NA	NA	8.41	NA	NA	9.39	NA
Cyanide	27	mg/kg	0.923	NA	NA	5.04	NA	NA	7.88	NA
Percent Moisture	--	%	6.80	4.08	14.6	4.40	3.95	11.8	5.02	3.07

See Notes on Page 21.

Table 3-3
Topsoil Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: Date Collected: Sample Name:	Restricted Use SCOs	Units	Topsoil-9-Grab-2 10/01/13 Topsoil-9-Grab-2	Topsoil-10-Comp-1 10/01/13 Topsoil-10-Comp-1	Topsoil-10-Grab-1 10/01/13 Topsoil-10-Grab-1	Topsoil-10-Grab-2 10/01/13 Topsoil-10-Grab-2
PCBs						
Aroclor-1016	--	ug/kg	NA	ND(20)	NA	NA
Aroclor-1221	--	ug/kg	NA	ND(20)	NA	NA
Aroclor-1232	--	ug/kg	NA	ND(20)	NA	NA
Aroclor-1242	--	ug/kg	NA	ND(20)	NA	NA
Aroclor-1248	--	ug/kg	NA	ND(20)	NA	NA
Aroclor-1254	--	ug/kg	NA	ND(20)	NA	NA
Aroclor-1260	--	ug/kg	NA	ND(20)	NA	NA
Aroclor-1262	--	ug/kg	NA	ND(20)	NA	NA
Aroclor-1268	--	ug/kg	NA	ND(20)	NA	NA
Volatile Organics						
1,1,1-Trichloroethane	100,000	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
1,1-Dichloroethane	26,000	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
1,1-Dichloroethene	100,000	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
1,2,4-Trimethylbenzene	52,000	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
1,2-Dichlorobenzene	100,000	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
1,2-Dichloroethane	3,100	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
1,3,5-Trimethylbenzene	52,000	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
1,3-Dichlorobenzene	49,000	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
1,4-Dichlorobenzene	13,000	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
1,4-Dioxane	13,000	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
2-Butanone	100,000	ug/kg	ND(8.8)	NA	ND(8.7)	ND(9.7)
Acetone	100,000	ug/kg	14 B	NA	11 B	16 B
Benzene	4,800	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
Carbon Tetrachloride	2,400	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
Chlorobenzene	100,000	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
Chloroform	49,000	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
cis-1,2-Dichloroethene	100,000	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
Ethylbenzene	41,000	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
m,p-Xylene	--	ug/kg	ND(8.8)	NA	ND(8.7)	ND(9.7)
Methyl tert-butyl ether	100,000	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
Methylene Chloride	100,000	ug/kg	1.4 J	NA	1.2 J	1.4 J
n-Butylbenzene	100,000	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
n-Propylbenzene	100,000	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
o-Xylene	--	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
sec-Butylbenzene	100,000	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
tert-Butylbenzene	100,000	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
Tetrachloroethene	19,000	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
Toluene	100,000	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
trans-1,2-Dichloroethene	100,000	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
Trichloroethene	21,000	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)
Vinyl Chloride	900	ug/kg	ND(4.4)	NA	ND(4.4)	ND(4.8)

See Notes on Page 21.

Table 3-3
Topsoil Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: Date Collected: Sample Name:	Restricted Use SCOs	Units	Topsoil-9-Grab-2 10/01/13 Topsoil-9-Grab-2	Topsoil-10-Comp-1 10/01/13 Topsoil-10-Comp-1	Topsoil-10-Grab-1 10/01/13 Topsoil-10-Grab-1	Topsoil-10-Grab-2 10/01/13 Topsoil-10-Grab-2
Semivolatile Organics						
2,4,5-TP	100,000	ug/kg	NA	ND(3.1)	NA	NA
2-Methylphenol	100,000	ug/kg	NA	ND(250)	NA	NA
3&4-Methylphenol	--	ug/kg	NA	ND(250)	NA	NA
4,4'-DDD	13,000	ug/kg	NA	5.5	NA	NA
4,4'-DDE	8,900	ug/kg	NA	22	NA	NA
4,4'-DDT	7,900	ug/kg	NA	56	NA	NA
Acenaphthene	100,000	ug/kg	NA	ND(250)	NA	NA
Acenaphthylene	100,000	ug/kg	NA	ND(250)	NA	NA
Aldrin	97	ug/kg	NA	ND(2.5)	NA	NA
Alpha-BHC	480	ug/kg	NA	ND(2.5)	NA	NA
Anthracene	100,000	ug/kg	NA	28 J	NA	NA
Aroclor-1016	--	ug/kg	NA	ND(20)	NA	NA
Aroclor-1221	--	ug/kg	NA	ND(20)	NA	NA
Aroclor-1232	--	ug/kg	NA	ND(20)	NA	NA
Aroclor-1242	--	ug/kg	NA	ND(20)	NA	NA
Aroclor-1248	--	ug/kg	NA	ND(20)	NA	NA
Aroclor-1254	--	ug/kg	NA	ND(20)	NA	NA
Aroclor-1260	--	ug/kg	NA	ND(20)	NA	NA
Aroclor-1262	--	ug/kg	NA	ND(20)	NA	NA
Aroclor-1268	--	ug/kg	NA	ND(20)	NA	NA
Arsenic	16	mg/kg	NA	4.5	NA	NA
Barium	400	mg/kg	NA	29	NA	NA
Benzo(a)anthracene	1,000	ug/kg	NA	190 J	NA	NA
Benzo(a)pyrene	1,000	ug/kg	NA	190 J	NA	NA
Benzo(b)fluoranthene	1,000	ug/kg	NA	230 J	NA	NA
Benzo(g,h,i)perylene	100,000	ug/kg	NA	140 J	NA	NA
Benzo(k)fluoranthene	3,900	ug/kg	NA	170 J	NA	NA
Beryllium	72	mg/kg	NA	ND(0.41)	NA	NA
Beta-BHC	360	ug/kg	NA	ND(2.5)	NA	NA
Cadmium	4.3	mg/kg	NA	0.18 J	NA	NA
Chromium	--	mg/kg	NA	9.3	NA	NA
Chromium, hexavalent	110	mg/kg	NA	ND(0.84)	NA	NA
Chromium, trivalent	180	mg/kg	NA	9.3	NA	NA
Chrysene	3,900	ug/kg	NA	240 J	NA	NA
Copper	270	mg/kg	NA	26	NA	NA
Cyanide	27	mg/kg	NA	0.98	NA	NA
Delta-BHC	100,000	ug/kg	NA	ND(2.5)	NA	NA
Dibenzo(a,h)anthracene	330	ug/kg	NA	47 J	NA	NA
Dibenzofuran	59,000	ug/kg	NA	ND(250)	NA	NA
Dieldrin	200	ug/kg	NA	21	NA	NA
Endosulfan I	24,000	ug/kg	NA	ND(2.5)	NA	NA
Endosulfan II	24,000	ug/kg	NA	ND(2.5)	NA	NA
Endosulfan Sulfate	24,000	ug/kg	NA	ND(2.5)	NA	NA

See Notes on Page 21.

Table 3-3
Topsoil Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: Date Collected: Sample Name:	Restricted Use SCOs	Units	Topsoil-9-Grab-2 10/01/13 Topsoil-9-Grab-2	Topsoil-10-Comp-1 10/01/13 Topsoil-10-Comp-1	Topsoil-10-Grab-1 10/01/13 Topsoil-10-Grab-1	Topsoil-10-Grab-2 10/01/13 Topsoil-10-Grab-2
Semivolatile Organics (cont.)						
Endrin	11,000	ug/kg	NA	ND(2.5)	NA	NA
Fluoranthene	100,000	ug/kg	NA	380	NA	NA
Fluorene	100,000	ug/kg	NA	ND(250)	NA	NA
Gamma-BHC (Lindane)	1,300	ug/kg	NA	ND(2.5)	NA	NA
Heptachlor	2,100	ug/kg	NA	5.2	NA	NA
Hexachlorobenzene	1,200	ug/kg	NA	ND(250)	NA	NA
Indeno(1,2,3-cd)pyrene	500	ug/kg	NA	140 J	NA	NA
Lead	400	mg/kg	NA	54	NA	NA
Manganese	2,000	mg/kg	NA	110	NA	NA
Mercury	0.81	mg/kg	NA	0.054	NA	NA
Naphthalene	100,000	ug/kg	NA	32 J	NA	NA
Nickel	310	mg/kg	NA	6.3	NA	NA
Pentachlorophenol	6,700	ug/kg	NA	ND(510)	NA	NA
Percent Moisture	--	%	3.7	4.4	2.6	4.0
Phenanthrene	100,000	ug/kg	NA	120 J	NA	NA
Phenol	100,000	ug/kg	NA	ND(250)	NA	NA
Pyrene	100,000	ug/kg	NA	240 J	NA	NA
Selenium	180	mg/kg	NA	ND(0.51)	NA	NA
Silver	180	mg/kg	NA	ND(0.41)	NA	NA
Technical Chlordane	--	ug/kg	NA	170	NA	NA
Zinc	10,000	mg/kg	NA	53	NA	NA
Inorganics						
Arsenic	16	mg/kg	NA	4.47	NA	NA
Barium	400	mg/kg	NA	29.0	NA	NA
Beryllium	72	mg/kg	NA	ND(0.407)	NA	NA
Cadmium	4.3	mg/kg	NA	0.176 J	NA	NA
Chromium	--	mg/kg	NA	9.32	NA	NA
Copper	270	mg/kg	NA	25.9	NA	NA
Lead	400	mg/kg	NA	53.8	NA	NA
Manganese	2,000	mg/kg	NA	113	NA	NA
Mercury	0.81	mg/kg	NA	0.0538	NA	NA
Nickel	310	mg/kg	NA	6.33	NA	NA
Selenium	180	mg/kg	NA	ND(0.509)	NA	NA
Silver	180	mg/kg	NA	ND(0.407)	NA	NA
Zinc	10,000	mg/kg	NA	52.5	NA	NA
Organochlorine Pesticides						
4,4'-DDD	13,000	ug/kg	NA	5.5	NA	NA
4,4'-DDE	8,900	ug/kg	NA	22	NA	NA
4,4'-DDT	7,900	ug/kg	NA	56	NA	NA
Aldrin	97	ug/kg	NA	ND(2.5)	NA	NA
Alpha-BHC	480	ug/kg	NA	ND(2.5)	NA	NA
Beta-BHC	360	ug/kg	NA	ND(2.5)	NA	NA
Delta-BHC	100,000	ug/kg	NA	ND(2.5)	NA	NA

See Notes on Page 21.

Table 3-3
Topsoil Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: Date Collected: Sample Name:	Restricted Use SCOs	Units	Topsoil-9-Grab-2 10/01/13 Topsoil-9-Grab-2	Topsoil-10-Comp-1 10/01/13 Topsoil-10-Comp-1	Topsoil-10-Grab-1 10/01/13 Topsoil-10-Grab-1	Topsoil-10-Grab-2 10/01/13 Topsoil-10-Grab-2
Organochlorine Pesticides (cont.)						
Dieldrin	200	ug/kg	NA	21	NA	NA
Endosulfan I	24,000	ug/kg	NA	ND(2.5)	NA	NA
Endosulfan II	24,000	ug/kg	NA	ND(2.5)	NA	NA
Endosulfan Sulfate	24,000	ug/kg	NA	ND(2.5)	NA	NA
Endrin	11,000	ug/kg	NA	ND(2.5)	NA	NA
Gamma-BHC (Lindane)	1,300	ug/kg	NA	ND(2.5)	NA	NA
Heptachlor	2,100	ug/kg	NA	5.2	NA	NA
Technical Chlordane	--	ug/kg	NA	170	NA	NA
Herbicides						
2,4,5-TP	100,000	ug/kg	NA	ND(3.1)	NA	NA
Miscellaneous						
Chromium, hexavalent	110	mg/kg	NA	ND(0.836)	NA	NA
Chromium, trivalent	180	mg/kg	NA	9.32	NA	NA
Cyanide	27	mg/kg	NA	0.976	NA	NA
Percent Moisture	--	%	3.73	4.35	2.63	4.04

See Notes on Page 21.

Table 3-3
Topsoil Material Sampling Results

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Notes:
1. The Restricted Use SCOs were taken from Appendix 5 of the NYSDEC's DER-10/Technical Guidance for Site Investigation and Remediation.
2. mg/kg - milligrams per kilogram.
3. NA - Not Analyzed - Laboratory did not report results for this analyte.
4. ND - Analyte was not detected. The number in parentheses is the associated compound quantitation limit.

Data Qualifiers:
B - Compound was found in blank and sample.
J - Result in less than the reporting limit (RL) but greater than or equal to the method detection limit (MDL) and the concentration is an approximate value.

Table 3-4
Topsoil Material Sampling Results - Protection of Ecological Resources

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected:	Protection of Ecological Resources SCOs	Units	Screening Stockpile Comp. 05/22/14	Screenings Stockpile Grab 05/22/14
PCBs				
Aroclor-1016	- -	mg/kg	0.021 U	NA
Aroclor-1221	- -	mg/kg	0.021 U	NA
Aroclor-1232	- -	mg/kg	0.021 U	NA
Aroclor-1242	- -	mg/kg	0.021 U	NA
Aroclor-1248	- -	mg/kg	0.021 U	NA
Aroclor-1254	- -	mg/kg	0.021 U	NA
Aroclor-1260	- -	mg/kg	0.021 U	NA
Aroclor-1262	- -	mg/kg	0.021 U	NA
Aroclor-1268	- -	mg/kg	0.021 U	NA
Volatile Organics				
1,1,1,2-Tetrachloroethane	- -	mg/kg	NA	0.0046 U
1,1,1-Trichloroethane	- -	mg/kg	NA	0.0046 U
1,1,2,2-Tetrachloroethane	- -	mg/kg	NA	0.0046 U
1,1,2-trichloro-1,2,2-trifluoroethane	- -	mg/kg	NA	0.0046 U
1,1,2-Trichloroethane	- -	mg/kg	NA	0.0046 U
1,1-Dichloroethane	- -	mg/kg	NA	0.0046 U
1,1-Dichloroethene	- -	mg/kg	NA	0.0046 U
1,1-Dichloropropene	- -	mg/kg	NA	0.0046 U
1,2,3-Trichlorobenzene	- -	mg/kg	NA	0.0046 U
1,2,3-Trichloropropane	- -	mg/kg	NA	0.0046 U
1,2,4,5-Tetramethylbenzene	- -	mg/kg	NA	0.0046 U
1,2,4-Trichlorobenzene	- -	mg/kg	NA	0.0046 U
1,2,4-Trimethylbenzene	- -	mg/kg	NA	0.0046 U
1,2-Dibromo-3-chloropropane	- -	mg/kg	NA	0.0046 U
1,2-Dibromoethane	- -	mg/kg	NA	0.0046 U
1,2-Dichlorobenzene	- -	mg/kg	NA	0.0046 U
1,2-Dichloroethane	10	mg/kg	NA	0.0046 U
1,2-Dichloropropane	- -	mg/kg	NA	0.0046 U
1,2-Dichlorotetrafluoroethane	- -	mg/kg	NA	0.0046 U
1,3,5-Trimethylbenzene	- -	mg/kg	NA	0.0046 U
1,3-Dichlorobenzene	- -	mg/kg	NA	0.0046 U
1,3-Dichloropropane	- -	mg/kg	NA	0.0046 U
1,4-Dichlorobenzene	20	mg/kg	NA	0.0046 U
1,4-Dioxane	0.1	mg/kg	NA	0.0046 U
2,2-Dichloropropane	- -	mg/kg	NA	0.0046 U
2-Butanone	100	mg/kg	NA	0.0091 U*
2-Chloroethylvinylether	- -	mg/kg	NA	0.0046 U
2-Chlorotoluene	- -	mg/kg	NA	0.0046 U
2-Hexanone	- -	mg/kg	NA	0.0091 U
4-Chlorotoluene	- -	mg/kg	NA	0.0046 U
4-Ethyltoluene	- -	mg/kg	NA	0.0046 U
4-Methyl-2-pentanone	- -	mg/kg	NA	0.0091 U
Acetone	2.2	mg/kg	NA	0.0016 BJ*
Benzene	70	mg/kg	NA	0.0046 U
Bromobenzene	- -	mg/kg	NA	0.0046 U
Bromochloromethane	- -	mg/kg	NA	0.0046 U
Bromodichloromethane	- -	mg/kg	NA	0.0046 U
Bromoform	- -	mg/kg	NA	0.0046 U
Bromomethane	- -	mg/kg	NA	0.0046 U
Carbon Disulfide	- -	mg/kg	NA	0.0046 U
Carbon Tetrachloride	- -	mg/kg	NA	0.0046 U
Chlorobenzene	40	mg/kg	NA	0.0046 U
Chloroethane	- -	mg/kg	NA	0.0046 U
Chloroform	12	mg/kg	NA	0.0046 U
Chloromethane	- -	mg/kg	NA	0.0046 U
cis-1,2-Dichloroethene	- -	mg/kg	NA	0.0046 U
cis-1,3-Dichloropropene	- -	mg/kg	NA	0.0046 U
Cyclohexane	- -	mg/kg	NA	0.0046 U
Dibromochloromethane	- -	mg/kg	NA	0.0046 U
Dibromomethane	- -	mg/kg	NA	0.0046 U
Dichlorodifluoromethane	- -	mg/kg	NA	0.0046 U

See Notes on Page 4.

Table 3-4
Topsoil Material Sampling Results - Protection of Ecological Resources

ARCADIS Design & Consultancy for natural and built assets

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected:	Protection of Ecological Resources SCOs	Units	Screening Stockpile Comp. 05/22/14	Screenings Stockpile Grab 05/22/14
Volatile Organics (cont.)				
Diisopropylether	- -	mg/kg	NA	0.0046 U
Ethanol	- -	mg/kg	NA	0.018 U
Ethylbenzene	- -	mg/kg	NA	0.0046 U
Freon 22	- -	mg/kg	NA	0.0046 U
Hexachlorobutadiene	- -	mg/kg	NA	0.0046 U
Isopropyl alcohol	- -	mg/kg	NA	0.0046 U
Isopropylbenzene	- -	mg/kg	NA	0.0046 U
m,p-Xylene	- -	mg/kg	NA	0.0091 U
Methyl acetate	- -	mg/kg	NA	0.0046 U
Methyl tert-butyl ether	- -	mg/kg	NA	0.0046 U
Methylene Chloride	12	mg/kg	NA	0.0051 B*
Naphthalene	- -	mg/kg	NA	0.0046 U
n-Butylbenzene	- -	mg/kg	NA	0.0046 U
n-Propylbenzene	- -	mg/kg	NA	0.0046 U
o-Xylene	- -	mg/kg	NA	0.0046 U
p-Diethylbenzene	- -	mg/kg	NA	0.0046 U
p-Isopropyltoluene	- -	mg/kg	NA	0.0046 U
sec-Butylbenzene	- -	mg/kg	NA	0.0046 U
Styrene	- -	mg/kg	NA	0.0046 U
tert-Butyl alcohol	- -	mg/kg	NA	0.0046 U*
tert-Butylbenzene	- -	mg/kg	NA	0.0046 U
Tetrachloroethene	2	mg/kg	NA	0.0046 U
Toluene	36	mg/kg	NA	0.0046 U
trans-1,2-Dichloroethene	- -	mg/kg	NA	0.0046 U
trans-1,3-Dichloropropene	- -	mg/kg	NA	0.0046 U
Trichloroethene	2	mg/kg	NA	0.0046 U
Trichlorofluoromethane	- -	mg/kg	NA	0.0046 U
Vinyl Acetate	- -	mg/kg	NA	0.0046 U
Vinyl Chloride	- -	mg/kg	NA	0.0046 U
Semivolatile Organics				
1,2,4-Trichlorobenzene	- -	mg/kg	0.26 U	NA
1,2-Dichlorobenzene	- -	mg/kg	0.26 U	NA
1,3-Dichlorobenzene	- -	mg/kg	0.26 U	NA
1,4-Dichlorobenzene	20	mg/kg	0.26 U	NA
2,4,5-Trichlorophenol	- -	mg/kg	0.26 U	NA
2,4,6-Trichlorophenol	- -	mg/kg	0.26 U	NA
2,4-Dichlorophenol	- -	mg/kg	0.26 U	NA
2,4-Dimethylphenol	- -	mg/kg	0.26 U	NA
2,4-Dinitrophenol	- -	mg/kg	0.51 U*	NA
2,4-Dinitrotoluene	- -	mg/kg	0.26 U	NA
2,6-Dinitrotoluene	- -	mg/kg	0.26 U	NA
2-Chloronaphthalene	- -	mg/kg	0.26 U	NA
2-Chlorophenol	- -	mg/kg	0.26 U	NA
2-Methylnaphthalene	- -	mg/kg	0.26 U	NA
2-Methylphenol	- -	mg/kg	0.26 U	NA
2-Nitroaniline	- -	mg/kg	0.26 U	NA
2-Nitrophenol	- -	mg/kg	0.26 U	NA
3&4-Methylphenol	- -	mg/kg	0.26 U	NA
3,3'-Dichlorobenzidine	- -	mg/kg	0.26 U	NA
3-Nitroaniline	- -	mg/kg	0.26 U	NA
4,6-Dinitro-2-methylphenol	- -	mg/kg	0.51 U*	NA
4-Bromophenyl-phenylether	- -	mg/kg	0.26 U	NA
4-Chloro-3-Methylphenol	- -	mg/kg	0.26 U	NA
4-Chloroaniline	- -	mg/kg	0.26 U	NA
4-Chlorophenyl-phenylether	- -	mg/kg	0.26 U	NA
4-Nitroaniline	- -	mg/kg	0.26 U	NA
4-Nitrophenol	- -	mg/kg	0.51 U	NA
Acenaphthene	20	mg/kg	0.26 U	NA
Acenaphthylene	- -	mg/kg	0.26 U	NA
Acetophenone	- -	mg/kg	0.26 U	NA
Aniline	- -	mg/kg	0.26 U	NA

See Notes on Page 4.

Table 3-4
Topsoil Material Sampling Results - Protection of Ecological Resources

ARCADIS Design & Consultancy for natural and built assets

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected:	Protection of Ecological Resources SCOs	Units	Screening Stockpile Comp. 05/22/14	Screenings Stockpile Grab 05/22/14
Semivolatile Organics (cont.)				
Anthracene	- -	mg/kg	0.26 U	NA
Atrazine	- -	mg/kg	0.26 U	NA
Azobenzene	- -	mg/kg	0.26 U	NA
Benzaldehyde	- -	mg/kg	0.51 U	NA
Benzidine	- -	mg/kg	0.51 U	NA
Benzo(a)anthracene	- -	mg/kg	0.26 U	NA
Benzo(a)pyrene	2.6	mg/kg	0.15 U	NA
Benzo(b)fluoranthene	- -	mg/kg	0.26 U	NA
Benzo(g,h,i)perylene	- -	mg/kg	0.26 U	NA
Benzo(k)fluoranthene	- -	mg/kg	0.26 U	NA
Benzoic Acid	- -	mg/kg	0.51 U*	NA
Benzyl Alcohol	- -	mg/kg	0.26 U	NA
Biphenyl	- -	mg/kg	0.26 U	NA
bis(2-Chloroethoxy)methane	- -	mg/kg	0.26 U	NA
bis(2-Chloroethyl)ether	- -	mg/kg	0.26 U	NA
bis(2-Chloroisopropyl)ether	- -	mg/kg	0.26 U	NA
bis(2-Ethylhexyl)phthalate	- -	mg/kg	0.26 U	NA
Butylbenzylphthalate	- -	mg/kg	0.26 U	NA
Caprolactam	- -	mg/kg	0.26 U	NA
Carbazole	- -	mg/kg	0.26 U	NA
Chrysene	- -	mg/kg	0.26 U	NA
Dibenzo(a,h)anthracene	- -	mg/kg	0.15 U	NA
Dibenzofuran	- -	mg/kg	0.26 U	NA
Diethylphthalate	- -	mg/kg	2.0 B	NA
Dimethylphthalate	- -	mg/kg	0.26 U	NA
Di-n-Butylphthalate	- -	mg/kg	0.26 U	NA
Di-n-Octylphthalate	- -	mg/kg	0.51 U	NA
Ethyl Parathion	- -	mg/kg	0.51 U*	NA
Fluoranthene	- -	mg/kg	0.26 U	NA
Fluorene	30	mg/kg	0.26 U	NA
Hexachlorobenzene	- -	mg/kg	0.26 U	NA
Hexachlorobutadiene	- -	mg/kg	0.26 U	NA
Hexachlorocyclopentadiene	- -	mg/kg	0.26 U	NA
Hexachloroethane	- -	mg/kg	0.26 U	NA
Indeno(1,2,3-cd)pyrene	- -	mg/kg	0.26 U	NA
Isophorone	- -	mg/kg	0.26 U	NA
Naphthalene	- -	mg/kg	0.26 U	NA
Nitrobenzene	- -	mg/kg	0.26 U	NA
N-Nitrosodimethylamine	- -	mg/kg	0.26 U	NA
N-Nitroso-di-n-propylamine	- -	mg/kg	0.15 U	NA
N-Nitrosodiphenylamine	- -	mg/kg	0.26 U	NA
Pentachlorophenol	0.8	mg/kg	0.51 U	NA
Phenanthrene	- -	mg/kg	0.26 U	NA
Phenol	30	mg/kg	0.26 U	NA
Pyrene	- -	mg/kg	0.26 U	NA
Pyridine	- -	mg/kg	0.26 U	NA
Inorganics				
Aluminum	- -	mg/kg	6,560 D	NA
Antimony	- -	mg/kg	0.519 U	NA
Arsenic	13	mg/kg	2.70	NA
Barium	433	mg/kg	4.34	NA
Beryllium	10	mg/kg	0.911	NA
Cadmium	4	mg/kg	0.415 U	NA
Calcium	- -	mg/kg	5,100	NA
Chromium	- -	mg/kg	5.83	NA
Chromium, hexavalent	1	mg/kg	0.535 U	NA
Chromium, trivalent	41	mg/kg	5.83	NA
Cobalt	- -	mg/kg	0.415 U	NA
Copper	50	mg/kg	3.97	NA
Iron	- -	mg/kg	17,000 D	NA
Lead	63	mg/kg	3.19	NA

See Notes on Page 4.

Table 3-4
Topsoil Material Sampling Results - Protection of Ecological Resources

Completion Report, AOC 2, Eastern Parcel Soil Remediation
Chevron Environmental Management Company
Hastings-on-Hudson, New York

Location ID: / Date Collected:	Protection of Ecological Resources SCOs	Units	Screening Stockpile Comp. 05/22/14	Screenings Stockpile Grab 05/22/14
Inorganics (cont.)				
Magnesium	- -	mg/kg	3,310	NA
Manganese	1,600	mg/kg	403	NA
Mercury	0.18	mg/kg	0.0127 U	NA
Nickel	30	mg/kg	7.28	NA
Potassium	- -	mg/kg	357	NA
Selenium	3.9	mg/kg	0.519 U	NA
Silver	2	mg/kg	0.415 U	NA
Sodium	- -	mg/kg	71.6	NA
Thallium	- -	mg/kg	3.39	NA
Vanadium	- -	mg/kg	16.1	NA
Zinc	109	mg/kg	38.3	NA
Organochlorine Pesticides				
1,2-Dibromo-3-chloropropane	- -	mg/kg	0.0026 U	NA
4,4'-DDD	0.0033	mg/kg	0.0026 U	NA
4,4'-DDE	0.0033	mg/kg	0.0026 U	NA
4,4'-DDT	0.0033	mg/kg	0.0026 U	NA
4-Chlorobenzilate	- -	mg/kg	0.0026 U	NA
Aldrin	0.14	mg/kg	0.0026 U	NA
Alpha-BHC	0.04	mg/kg	0.0026 U	NA
Alpha-Chlordane	1.3	mg/kg	0.010 U	NA
Beta-BHC	0.6	mg/kg	0.0026 U	NA
Delta-BHC	0.04	mg/kg	0.0026 U	NA
Dieldrin	0.006	mg/kg	0.0026 U	NA
Endosulfan I	- -	mg/kg	0.0026 U	NA
Endosulfan II	- -	mg/kg	0.0026 U	NA
Endosulfan Sulfate	- -	mg/kg	0.0026 U	NA
Endrin	0.014	mg/kg	0.0026 U	NA
Endrin Aldehyde	- -	mg/kg	0.0026 U	NA
Endrin Ketone	- -	mg/kg	0.0026 U	NA
Gamma-BHC (Lindane)	6	mg/kg	0.0026 U	NA
Gamma-Chlordane	- -	mg/kg	0.010 U	NA
Heptachlor	0.14	mg/kg	0.0026 U	NA
Heptachlor Epoxide	- -	mg/kg	0.0026 U	NA
Hexachlorobenzene	- -	mg/kg	0.0026 U	NA
Hexachlorocyclopentadiene	- -	mg/kg	0.0014 J	NA
Methoxychlor	- -	mg/kg	0.0026 U	NA
Toxaphene	- -	mg/kg	0.026 U	NA
Herbicides				
2,4,5-T	- -	mg/kg	0.0032 U	NA
2,4,5-TP	- -	mg/kg	0.0032 U	NA
2,4-D	- -	mg/kg	0.0032 U	NA
Dicambra	- -	mg/kg	0.0032 U	NA
Miscellaneous				
Cyanide	- -	mg/kg	0.0878 J	NA
Percent Moisture	- -	%	6.60	7.10

Notes:
The Protection of Ecological Resources SCOs were taken from Appendix 5 of the NYSDEC's DER-10/Technical Guidance for Site Investigation and Remediation.
* - LCS or LCSD exceeds the control limits.
B - Analyte was also detected in the associated method blank.
D - Analyte concentration was obtained from diluted analysis or from analysis using reduced sample volume.
J - Indicates an estimated value.
U - The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

APPENDIX A

Notice of Intent

ARCADIS
Infrastructure · Water · Environment · Buildings

ARCADIS of New York, Inc.
6723 Towpath Road
PO Box 66
Syracuse
New York 13214-0066
Tel 315.446.9120
Fax 315.446.8053
www.arcadis-us.com

ENVIRONMENT

New York State Department of Environmental Conservation
Division of Water
625 Broadway, 4th Floor
Albany, New York 12233-3505

Subject:
Former Tappan Terminal Site (AOC 2)
Village of Hastings-on-Hudson, Westchester County, New York
Notice of Intent for Coverage under SPDES General Permit for Stormwater Discharges Associated with Construction Activity (GP-0-10-001)

Date:
September 11, 2013

Contact:
Mr. Michael Higgins, P.E.

Phone:
315.671.9545

Email:
Michael.Higgins@arcadis-us.com

Our ref:
B0046760.0002

Dear Sir or Madam:

On behalf of the Chevron Management Company (CEMC), ARCADIS is submitting the enclosed, completed Notice of Intent (NOI) form for the New York State Department of Environmental Conservation's (NYSDEC's) General Permit for Stormwater Discharges Associated with Construction Activity under the State Pollutant Discharge Elimination System (SPDES) General Permit (#GP-0-10-001) for the construction activities at CEMC's Former Tappan Terminal (Site) located in the Village of Hastings-on-Hudson, Westchester County, New York. Pursuant to a conversation with Mr. Dave Gasper on September 4, 2013, the Site is exempt from coverage under the SPDES General Permit, as the project is being conducted under an approved NYSDEC Work Plan. Subsequently, this NOI is being submitted for informational purposes only.

The Site, located at One Southside Avenue in the Village of Hastings-on-Hudson, New York, is being remediated under NYSDEC Record of Decision for Site No. 3-60-015 dated September 2006. In accordance with the Final Remedial Design Report, AOC2, Eastern Parcel Soil Remediation, dated April 2013, remedial construction activities include constructing a soil cover system at the Site. Construction of the soil cover system involves clearing the Site, placement of a demarcation layer, and installation of a minimum of two feet of clean cover soil.

Please contact me at 315.671.9545 with any questions or comments pertaining to the enclosed NOI.

Sincerely,

ARCADIS of New York, Inc.

Michael Higgins Jr.

Michael Higgins, P.E.
Project Environmental Engineer

Enclosure

Copies:
Mark Stella, Chevron
William McCune, ARCADIS

Imagine the result

1358331598

NOTICE OF INTENT

New York State Department of Environmental Conservation
Division of Water
625 Broadway, 4th Floor
Albany, New York 12233-3505

NYR _____ (for DEC use only)

Stormwater Discharges Associated with Construction Activity Under State Pollutant Discharge Elimination System (SPDES) General Permit # GP-0-10-001

All sections must be completed unless otherwise noted. Failure to complete all items may result in this form being returned to you, thereby delaying your coverage under this General Permit. Applicants must read and understand the conditions of the permit and prepare a Stormwater Pollution Prevention Plan prior to submitting this NOI. Applicants are responsible for identifying and obtaining other DEC permits that may be required.

-IMPORTANT-

RETURN THIS FORM TO THE ADDRESS ABOVE

OWNER/OPERATOR MUST SIGN FORM

Owner/Operator Information

Owner/Operator (Company Name/Private Owner Name/Municipality Name)
Chevron Environmental Management Company

Owner/Operator Contact Person Last Name (NOT CONSULTANT)
Stella

Owner/Operator Contact Person First Name
Mark

Owner/Operator Mailing Address
4800 Fournace Place E 530 A

City
Bellaire

State
TX

Zip
77401-____

Phone (Owner/Operator)
713-432-2643

Fax (Owner/Operator)
713-432-2624

Email (Owner/Operator)
markstella@chevron.com

FED TAX ID
94-6062988 (not required for individuals)

Project Site Information

Project/Site Name
Eastern Parcel Soil Remediation

Street Address (NOT P.O. BOX)
1 Southside Avenue

Side of Street
○ North ○ South ○ East ● West

City/Town/Village (THAT ISSUES BUILDING PERMIT)
Hastings-on-Hudson

State: NY
Zip: 10706-
County: Westchester
DEC Region: 3

Name of Nearest Cross Street
Railroad Avenue

Distance to Nearest Cross Street (Feet)
1338

Project In Relation to Cross Street
○ North ● South ○ East ○ West

Tax Map Numbers
Section-Block-Parcel
4.100-93-17

Tax Map Numbers

1. Provide the Geographic Coordinates for the project site in NYTM Units. To do this you **must** go to the NYSDEC Stormwater Interactive Map on the DEC website at:

www.dec.ny.gov/imsmaps/stormwater/viewer.htm

Zoom into your Project Location such that you can accurately click on the centroid of your site. Once you have located your project site, go to the tool boxes on the top and choose "i"(identify). Then click on the center of your site and a new window containing the X, Y coordinates in UTM will pop up. Transcribe these coordinates into the boxes below. For problems with the interactive map use the help function.

X Coordinates (Easting): 593776

Y Coordinates (Northing): 4537923

2. What is the nature of this construction project?

○ **New Construction**

○ **Redevelopment with increase in imperviousness**

● **Redevelopment with no increase in imperviousness**

3. Select the predominant land use for both pre and post development conditions.
SELECT ONLY ONE CHOICE FOR EACH

Pre-Development Existing Land Use

- ○ FOREST
- ○ PASTURE/OPEN LAND
- ○ CULTIVATED LAND
- ○ SINGLE FAMILY HOME
- ○ SINGLE FAMILY SUBDIVISION
- ○ TOWN HOME RESIDENTIAL
- ○ MULTIFAMILY RESIDENTIAL
- ○ INSTITUTIONAL/SCHOOL
- ● INDUSTRIAL
- ○ COMMERCIAL
- ○ ROAD/HIGHWAY
- ○ RECREATIONAL/SPORTS FIELD
- ○ BIKE PATH/TRAIL
- ○ LINEAR UTILITY
- ○ PARKING LOT
- ○ OTHER

Post-Development Future Land Use

- ○ SINGLE FAMILY HOME — Number of Lots
- ○ SINGLE FAMILY SUBDIVISION
- ○ TOWN HOME RESIDENTIAL
- ○ MULTIFAMILY RESIDENTIAL
- ○ INSTITUTIONAL/SCHOOL
- ● INDUSTRIAL
- ○ COMMERCIAL
- ○ MUNICIPAL
- ○ ROAD/HIGHWAY
- ○ RECREATIONAL/SPORTS FIELD
- ○ BIKE PATH/TRAIL
- ○ LINEAR UTILITY (water, sewer, gas, etc.)
- ○ PARKING LOT
- ○ CLEARING/GRADING ONLY
- ○ DEMOLITION, NO REDEVELOPMENT
- ○ WELL DRILLING ACTIVITY *(Oil, Gas, etc.)
- ○ OTHER

*note: for gas well drilling, non-high volume hydraulic fractured wells only

4. Will future use of this site be an agricultural property as defined by the NYS Agriculture and Markets Law ? ○ **Yes** ● **No**

5. Is this a project which does not require coverage under the General Permit (e.g. Project done under an Individual SPDES Permit, or department approved remediation)? ○ **Yes** ● **No**

6. Is this property owned by a state authority, state agency, federal government or local government? ○ **Yes** ● **No**

7. In accordance with the larger common plan of development or sale, enter the total project site acreage, the acreage to be disturbed and the future impervious area (acreage)within the disturbed area. Round to the nearest tenth of an acre.

Total Site Acreage	**Acreage To Be Disturbed**	**Existing Impervious Area Within Disturbed**	**Future Impervious Area Within Disturbed**
7.1	7.1	6.4	0.2

8. Do you plan to disturb more than 5 acres of soil at any one time? ● **Yes** ○ **No**

9. Indicate the percentage of each Hydrologic Soil Group(HSG) at the site.

A	**B**	**C**	**D**
87 %	13 %	0 %	0 %

10. Is this a phased project? ○ Yes ● No

11. Enter the planned start and end dates of the disturbance

Start Date 07/01/2013 - End Date 11/31/2013

12. Identify the nearest, natural, surface waterbody(ies) to which construction site runoff will discharge.

Name: Hudson River

12a. Type of waterbody identified in Question 12?

- ○ Wetland / State Jurisdiction On Site (Answer 12b)
- ○ Wetland / State Jurisdiction Off Site
- ○ Wetland / Federal Jurisdiction On Site (Answer 12b)
- ○ Wetland / Federal Jurisdiction Off Site
- ○ Stream / Creek On Site
- ○ Stream / Creek Off Site
- ○ River On Site
- ● River Off Site
- ○ Lake On Site
- ○ Lake Off Site
- ○ Other Type On Site
- ○ Other Type Off Site

12b. How was the wetland identified?

- ● Regulatory Map
- ○ Delineated by Consultant
- ○ Delineated by Army Corps of Engineers
- ○ Other (identify)

13. Has the surface waterbody(ies) in question 12 been identified as a 303(d) segment in Appendix E of GP-0-10-001? ○ Yes ● No

14. Is this project located in one of the Watersheds identified in Appendix C of GP-0-10-001? ○ Yes ● No

15. Is the project located in one of the watershed areas associated with AA and AA-S classified waters? **If no, skip question 16.** ○ Yes ● No

16. Does this construction activity disturb land with no existing impervious cover and where the Soil Slope Phase is identified as an E or F on the USDA Soil Survey? **If Yes, what is the acreage to be disturbed?**

○ Yes ● No

[ ][ ][ ][ ].[ ]

17. Will the project disturb soils within a State regulated wetland or the protected 100 foot adjacent area?

○ Yes ● No

18. Does the site runoff enter a separate storm sewer system (including roadside drains, swales, ditches, culverts, etc)?

○ Yes ● No ○ Unknown

19. What is the name of the municipality/entity that owns the separate storm sewer system?

20. Does any runoff from the site enter a sewer classified as a Combined Sewer?

○ Yes ● No ○ Unknown

21. Has the required Erosion and Sediment Control component of the SWPPP been developed in conformance with the current NYS Standards and Specifications for Erosion and Sediment Control (aka Blue Book) ?

● Yes ○ No

22. Does this construction activity require the development of a SWPPP that includes Water Quality and Quantity Control components (Post-Construction Stormwater Management Practices) **(If No, skip questions 23 and 27-35)**

○ Yes ● No

23. Have the Water Quality and Quantity Control components of the SWPPP been developed in comformance with the current NYS Stormwater Management Design Manual ?

○ Yes ○ No

24. The Stormwater Pollution Prevention Plan (SWPPP) was prepared by:

- ● **Professional Engineer (P.E.)**
- ○ **Soil and Water Conservation District (SWCD)**
- ○ **Registered Landscape Architect (R.L.A)**
- ○ **Certified Professional in Erosion and Sediment Control (CPESC)**
- ○ **Owner/Operator**
- ○ **Other**

SWPPP Preparer
ARCADIS

Contact Name (Last, Space, First)
Molina, , Joseph

Mailing Address
295 Woodcliff Drive, Suite 301

City
Rochester

State
NY

Zip
14450 -

Phone
585 - 662 - 4012

Fax
585 - 385 - 4198

Email
joseph.molina@arcadis-us.com

SWPPP Preparer Certification

I hereby certify that the Stormwater Pollution Prevention Plan (SWPPP) for this project has been prepared in accordance with the terms and conditions of the GP-0-10-001. Furthermore, I understand that certifying false, incorrect or inaccurate information is a violation of this permit and the laws of the State of New York and could subject me to criminal, civil and/or administrative proceedings.

First Name
Joseph

MI

Last Name
Molina III

Signature
Joseph Molina III

Date
09 / 09 / 2013

25. Has a construction sequence schedule for the planned management practices been prepared? ● Yes ○ No

26. Select **all** of the erosion and sediment control practices that will be employed on the project site:

Temporary Structural

- ○ Check Dams
- ● Construction Road Stabilization
- ● Dust Control
- ○ Earth Dike
- ○ Level Spreader
- ● Perimeter Dike/Swale
- ○ Pipe Slope Drain
- ○ Portable Sediment Tank
- ○ Rock Dam
- ○ Sediment Basin
- ○ Sediment Traps
- ● Silt Fence
- ● Stabilized Construction Entrance
- ○ Storm Drain Inlet Protection
- ● Straw/Hay Bale Dike
- ○ Temporary Access Waterway Crossing
- ○ Temporary Stormdrain Diversion
- ○ Temporary Swale
- ○ Turbidity Curtain
- ○ Water bars

Biotechnical

- ○ Brush Matting
- ○ Wattling

Vegetative Measures

- ○ Brush Matting
- ○ Dune Stabilization
- ○ Grassed Waterway
- ● Mulching
- ○ Protecting Vegetation
- ○ Recreation Area Improvement
- ● Seeding
- ○ Sodding
- ○ Straw/Hay Bale Dike
- ○ Streambank Protection
- ○ Temporary Swale
- ● Topsoiling
- ○ Vegetating Waterways

Permanent Structural

- ○ Debris Basin
- ○ Diversion
- ○ Grade Stabilization Structure
- ● Land Grading
- ○ Lined Waterway (Rock)
- ○ Paved Channel (Concrete)
- ○ Paved Flume
- ○ Retaining Wall
- ○ Riprap Slope Protection
- ○ Rock Outlet Protection
- ○ Streambank Protection

Other

Critical Area Plantings

Surface Roughening

Water Quality and Quantity Control

Important: Completion of Questions 27-35 is not required if response to Question 22 is No.

Post-Construction Stormwater Management Practices

27. Indicate **all** Stormwater Management Practice(s) that will be installed/constructed on this site:

Ponds
- ○ Micropool Extended Detention (P-1)
- ○ Wet Pond (P-2)
- ○ Wet Extended Detention (P-3)
- ○ Multiple Pond System (P-4)
- ○ Pocket Pond (P-5)

Wetlands
- ○ Shallow Wetland (W-1)
- ○ Extended Detention Wetland (W-2)
- ○ Pond/Wetland System (W-3)
- ○ Pocket Wetland (W-4)

Filtering
- ○ Surface Sand Filter (F-1)
- ○ Underground Sand Filter (F-2)
- ○ Perimeter Sand Filter (F-3)
- ○ Organic Filter (F-4)
- ○ Bioretention (F-5)
- ○ Other

Infiltration
- ○ Infiltration Trench (I-1)
- ○ Infiltration Basin (I-2)
- ○ Dry Well (I-3)
- ○ Underground Infiltration System

Open Channels
- ○ Dry Swale (O-1)
- ○ Wet Swale (O-2)

Alternative Practice
- ○ Rain Garden
- ○ Cistern
- ○ Green Roof
- ○ Stormwater Planters
- ○ Permeable Paving (Modular Block)

Verified Proprietary Practice
- ○ Hydrodynamic
- ○ Wet Vault
- ○ Media Filter

28. Describe other stormwater management practices not listed above or explain any deviations from the technical standards.

29. Has a long term Operation and Maintenance Plan for the post-construction stormwater management practice(s) been developed? ○ Yes ○ No

If Yes, Identify the entity responsible for the long term Operation and Maintenance

30. Provide the total water quality volume required and the total provided for the site.

WQv Required ☐☐☐.☐☐☐ **acre-feet**

WQv Provided ☐☐☐.☐☐☐ **acre-feet**

31. Provide the following Unified Stormwater Sizing Criteria for the site.

Total Channel Protection Storage Volume (CPv) - Extended detention of post-developed 1 year, 24 hour storm event

CPv Required ☐☐☐.☐☐☐ **acre-feet**

CPv Provided ☐☐☐.☐☐☐ **acre-feet**

31a. The need to provide for channel protection has been waived because:

○ **Site discharges directly to fourth order stream or larger**

Total Overbank Flood Control Criteria (Qp) - Peak discharge rate for the 10 year storm

Pre-Development ☐☐☐.☐☐☐ **CFS**

Post-development ☐☐☐.☐☐☐ **CFS**

Total Extreme Flood Control Criteria (Qf) - Peak discharge rate for the 100 year storm

Pre-Development ☐☐☐.☐☐☐ **CFS**

Post-development ☐☐☐.☐☐☐ **CFS**

31b. The need to provide for flood control has been waived because:

○ **Site discharges directly to fourth order stream or larger**

○ **Downstream analysis reveals that flood control is not required**

IMPORTANT: For questions 31 and 32, impervious area should be calculated considering the project site and all offsite areas that drain to the post-construction stormwater management practice(s). (Total Drainage Area = Project Site + Offsite areas)

32. Pre-Construction Impervious Area - As a percent of the Total Drainage Area enter the percentage of the existing impervious areas before construction begins. ☐☐☐ %

33. Post-Construction Impervious Area - As a percent of the Total Drainage Area, enter the percentage of the future impervious areas that will be created/remain on the site after completion of construction. ☐☐☐ %

34. Indicate the total number of post-construction stormwater management practices to be installed/constructed. ☐☐

35. Provide the total number of stormwater discharge points from the site. (include discharges to either surface waters or to separate storm sewer systems) ☐☐

36. Identify other DEC permits that are required for this project.

DEC Permits

○ Air Pollution Control	○ Navigable Waters Protection / Article 15
○ Coastal Erosion	○ Water Quality Certificate
○ Hazardous Waste	○ Dam Safety
○ Long Island Wells	○ Water Supply
○ Mined Land Reclamation	○ Freshwater Wetlands/Article 24
○ Other SPDES	○ Tidal Wetlands
○ Solid Waste	○ Wild, Scenic and Recreational Rivers
● None	○ Stream Bed or Bank Protection / Article 15
○ Other	

37. Does this project require a US Army Corps of Engineers Wetland Permit? ○ Yes ● No
If Yes, Indicate Size of Impact. [ ][ ][ ][ ][ ].[ ]

38. Is this project subject to the requirements of a regulated, traditional land use control MS4? ○ Yes ● No
(If No, skip question 39)

39. Has the "MS4 SWPPP Acceptance" form been signed by the principal executive officer or ranking elected official and submitted along with this NOI? ○ Yes ○ No

40. If this NOI is being submitted for the purpose of continuing coverage under a general permit for stormwater runoff from construction activities, please indicate the former SPDES number assigned. [N][Y][R][ ][ ][ ][ ][ ][ ]

Owner/Operator Certification

I have read or been advised of the permit conditions and believe that I understand them. I also understand that, under the terms of the permit, there may be reporting requirements. I hereby certify that this document and the corresponding documents were prepared under my direction or supervision. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations. I further understand that coverage under the general permit will be identified in the acknowledgment that I will receive as a result of submitting this NOI and can be as long as sixty (60) business days as provided for in the general permit. I also understand that, by submitting this NOI, I am acknowledging that the SWPPP has been developed and will be implemented as the first element of construction, and agreeing to comply with all the terms and conditions of the general permit for which this NOI is being submitted.

Print First Name [M][a][r][k] **MI** [ ]

Print Last Name [S][t][e][l][l][a]

Owner/Operator Signature Mark Stella

Date 09 / 05 / 2013

APPENDIX B

Floodplain Development Permit

M E M O R A N D U M

To	:	Deven Sharma, AIA, Building Inspector Village of Hastings-on-Hudson
From	:	James J. Hahn, P.E.
Dated	:	July 16, 2013
Subject	:	Flood Damage Prevention Review Chevron Environmental Management Company Uhlich Color Company Property Village of Hastings-on-Hudson, NY
Documents Reviewed	:	Final Remedial Design Report, AOC 2, Eastern Parcel Soil Remediation dated April, 2013. Flood Permit application checklist dated May 22, 2013.

The referenced plans have been reviewed for compliance with the Village Code, Chapter 146, Flood Damage Prevention. The site is located on an inactive hazardous waste disposal site, identified by the New York State Department of Environmental Conservation (NYSDEC), therefore the NYSDEC Record of Decision (ROD) for this site was reviewed (ROD #3-60-015). The proposed action includes capping the site with a two foot layer of fill. The Stormwater Pollution Prevention Plan (SWPPP) has also been reviewed.

The environmental review for the proposed action is being completed by the NYSDEC and is outside the scope of this review.

PROPOSED ACTIONS

The proposed actions are in accordance with part of the selected remedy required by the NYSDEC Record of Decision. The proposed actions will include the third and forth items in the Record of Decision which include regrading the site, placing a geotextile fabric demarcation, placing two feet of clean soil, and stabilizing the site. Fencing at the perimeter of the site is also proposed.

FLOOD DAMAGE

The site is located in a special flood hazard area within the jurisdiction of the Village, identified on the Federal Emergency Management Agency (FEMA) Flood Insurance Rate Map. The site is in a FEMA flood hazard zone AE, and has a small portion in Zone X. The base flood elevation, also known as the 100 year flood plain elevation, is 7 feet.

The applicant has addressed the application for a Flood Plain Development Permit as required by the Village Code Section 146-10.B. Pursuant to our review, we offer the following comments.

- As part of the Mobil property review, the NYSDEC Bureau of Flood Protection and Dam Safety was notified of work within the flood plain. On July 22, 2011, Janice Greenwood responded to your office with a statement that hydraulic analysis is not required because the site is not in a regulatory floodway. At the time of the Mobil review, our office contacted the NYSDEC who also confirmed that flood storage is not required by the NYSDEC. Flood storage, in this case, may only be required on a local level.

- To accommodate flood storage, the amount of exported fill would need to equal the amount of imported fill. Since the site is subject to tidal flooding, flood storage would be insignificant. In this case, we do not believe additional flood storage for the proposed action is necessary.

- We have no objection to issuance of the Flood Plain Development Permit, considering the work be constructed in compliance with the SWPPP.

STORMWATER POLLUTION PREVENTION PLAN

The construction and stormwater pollution prevention plans were reviewed in accordance with the New York State Department of Environmental Conservation SPDES General Permit for Stormwater Discharge from Construction Activity, Permit No. GP-0-10-001. It has also been reviewed for general construction based on experience. The total area of disturbance is greater than 5 acres which has been addressed in the SWPPP.

1) The Building Inspector should be notified of the source of fill material. Also, soil tests and soil manifests should be provided to the Building Inspector. The design engineer should also certify the material and quantity.

2) The construction sequence should include more detail of how the filling and compaction will be performed.

3) The 6 inches of "imported topsoil" located on top of the 18 inches of fill should be certified by the design engineer.

4) The construction sequence provided in the SWPPP should be shown on the plans.

5) The 42 inch corrugated drainage pipe should be identified on the site plan. The fill, equipment, and construction activity above the pipe could cause damage to the pipe. Therefore, we recommend the engineer inspect the pipe and determine if its condition could fail during or after construction. The applicant will be responsible for any damages.

6) Barge locations, construction trailers, loading areas, and temporary staging areas should be shown on the plans.

7) Is temporary water required for the equipment decontamination area? How is water treated after use?

8) MTA should be forwarded a set of plans for comment. If the MTA was contacted and does not have any comments, please forward this documentation.

9) The segmented lines marked with "S" and "F" should be identified.

10) The following notes should be shown on the plan.

"The Village Building Inspector may require additional erosion control measures if deemed appropriate to mitigate unforeseen siltation and erosion of disturbed soils."

""As-Built" drawings of the site improvements shall be submitted to the Village for review, upon completion of the proposed work."

"Heavy equipment is not permitted over the MTA bridge, unless the proposed approval has been obtained."

If you have any questions or concerns, please contact the writer or Douglas Hahn, P.E., at your earliest convenience.

JH:GEP:DH:ay

ARCADIS of New York, Inc.
6723 Towpath Road
PO Box 66
Syracuse
New York 13214-0066
Tel 315 446 9120
Fax 315 446 8053
www.arcadis-us.com

ENVIRONMENT

Deven Sharma, AIA
Building Inspector
Village of Hastings-on-Hudson
Building Department
7 Maple Avenue
Hastings-on-Hudson, New York 10706

Subject:
Floodplain Development Permit Application
Former Tappan Terminal Site (AOC 2)

Date:
June 17, 2013

Contact:
Michael Higgins, Jr., P.E.

Phone:
315 671 9545

Email:
michael.higgins@arcadis-us.com

Our ref:
B0046760 #2.10

Dear Mr. Sharma:

On behalf of the Chevron Environmental Management Company, ARCADIS is requesting a Floodplain Development Permit in accordance with Section 146-10 of the Village of Hastings-on-Hudson Code (Village Code) for construction related to environmental remediation at the Former Tappan Terminal Site (AOC 2).

The site is located at One Southside Avenue in Hastings-on-Hudson, New York, and consists of two parcels (i.e., the western parcel and the eastern parcel). As the Village of Hastings-on-Hudson is aware, the terminal is no longer in operation and the site has been vacant since the early 2000's. The land is being remediated under New York State Department of Environmental Conservation (NYSDEC) Record of Decision for Site No. 3-60-015 dated September 2006. Remedial construction activities were recently completed on the western parcel, which consisted of the installation of a soil cover system. The attached Floodplain Development Permit application pertains to the eastern parcel, which is slated for similar remedial construction activities this summer.

As noted above, the bulk of proposed remedial construction on the eastern parcel includes constructing a soil cover system at the site. Construction of the cover system will involve placement of a demarcation layer and installation of a minimum of two feet of clean cover soil (approximately 30,000 cubic yards over approximately 7.5 acres). Final grades on the eastern parcel will be sloped toward the western parcel and the Hudson River at an approximate 1 percent slope. All existing vegetation will be cleared to install the cover system, which is minimal on the eastern parcel. A Tree Removal Permit will be acquired to allow for clearing of designated trees in accordance with Village Code. No permanent structures or utilities are proposed other than fencing at this time. Temporary erosion control measures will be installed prior to initiating earthmoving activities and will be maintained throughout the

duration of the project. The final grade surface will be seeded to promote vegetative growth and provide permanent erosion control.

A portion of the site is located within the flood hazard Zone AE with a 100-year flood elevation of 7 feet (NAVD88) with the remaining area of the site designated as Zone X. Two sets of design drawings are attached for your review. However, correspondence with the NYSDEC Bureau of Flood Protection and Dam Safety provided by the Village regarding the site confirmed that there is no regulatory floodway along the adjacent shoreline and that flood storage is not a requirement of the National Flood Insurance Program for this project. For this reason, a hydraulic analysis for the proposed construction activities is not required.

We anticipate commencing project activities at the beginning of July of this year. Please don't hesitate to contact me at 315.671.9545 should you have any questions or wish to discuss the application in greater detail. Thank you once again for your assistance.

Sincerely,

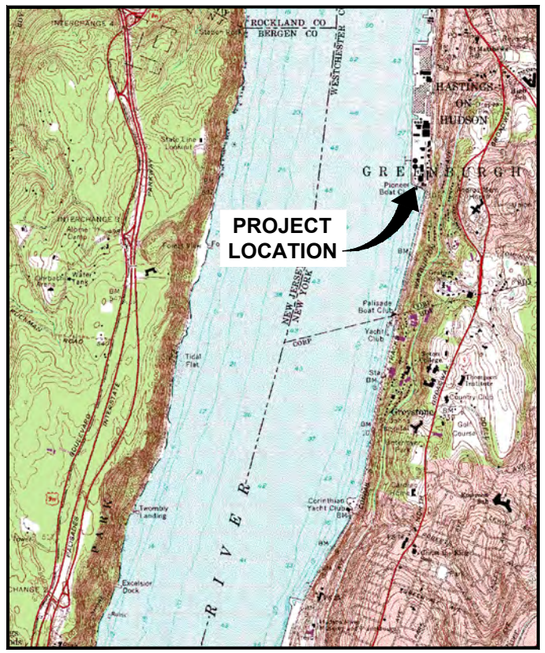
ARCADIS of New York, Inc.

Michael Higgins, Jr., P.E.
Project Environmental Engineer

Attachments:
Design Drawings: Former Tappan Terminal Site - Area of Concern 2 (2 copies)
Floodplain Permit Application Checklist
Application Permit Fee Payment

FINAL DESIGN

FORMER TAPPAN TERMINAL SITE
AREA OF CONCERN 2



REFERENCE: USGS 7.5 MIN. QUAD MAP, YONKERS, NY-NJ, 1966, PHOTOREVISED 1979.

LOCATION MAP

0 2000' 4000'

GRAPHIC SCALE



AREA LOCATION

NEW YORK

EASTERN PARCEL REMEDIAL DESIGN

DATE ISSUED / DATE REVISED
APRIL 2013

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
HASTINGS-ON-HUDSON, NEW YORK

ARCADIS

ARCADIS OF NEW YORK, INC.

IMPORTANT TELEPHONE NUMBERS:

DIG SAFELY NEW YORK:
800-962-7962 OR 811

IN CASE OF EMERGENCY:
914-478-2344

HASTINGS-ON-HUDSON POLICE DEPARTMENT:
914-478-2344

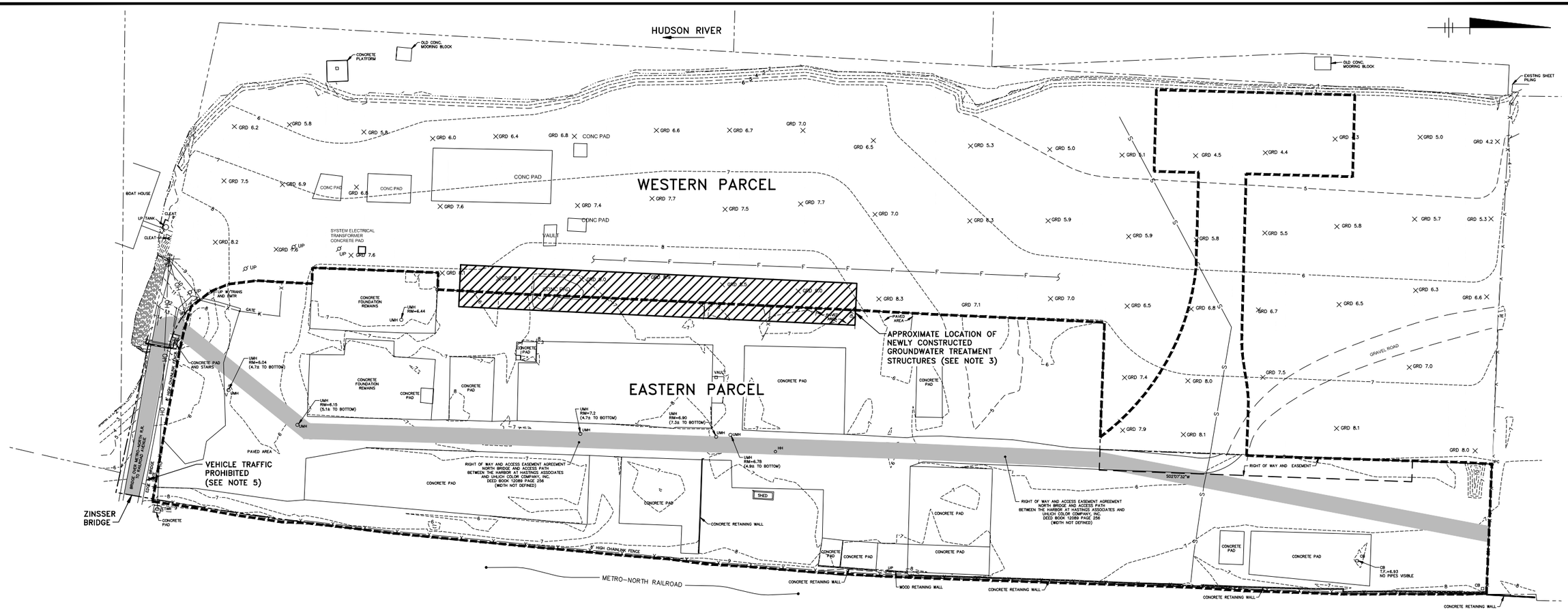
HASTINGS-ON-HUDSON FIRE DEPARTMENT:
914-478-0261

INDEX TO DRAWINGS

1	EXISTING SITE PLAN
2	SITE PREPARATION AND EROSION AND SEDIMENT CONTROL
3	FINAL GRADING/RESTORATION PLAN (SOUTH)
4	FINAL GRADING/RESTORATION PLAN (NORTH)
5	CROSS SECTIONS
6	CROSS SECTIONS
7	MISCELLANEOUS DETAILS
8	MISCELLANEOUS DETAILS
9	MISCELLANEOUS DETAILS

CITY: SYRACUSE, NY DIV/GROUP: ENVCAD DB: A. SAMIOS L. FORAKER LD: A. SAMIOS PIC: M. FLEISCHNER PM: W. McCUNE TM: R. PARINI LYR: ON=*;OFF=*REF*
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LEGEND:

- EASTERN PARCEL PROPERTY BOUNDARY
- ADJACENT PROPERTY BOUNDARY
- EASEMENT BOUNDARY
- APPROXIMATE RIGHT OF WAY/ACCESS EASEMENT
- EXISTING EDGE OF PAVEMENT/CONCRETE
- EXISTING EDGE OF GRAVEL
- EXISTING FENCE
- EDGE OF MEAN HIGH WATER 1.85 FT (SEE NOTE 7)
- EXISTING 1-FT ELEVATION CONTOUR
- EXISTING 5-FT ELEVATION CONTOUR
- EXISTING OVERHEAD UTILITY LINE
- EXISTING STORM SEWER
- EXISTING CATCH BASIN
- EXISTING UNKNOWN UTILITY MANHOLE
- EXISTING UTILITY POLE
- EXISTING UTILITY POLE W/ ELEC. RISER
- EXISTING UTILITY POLE W/ LIGHT
- EXISTING ELECTRICAL TOWER
- APPROXIMATE LIMIT OF WORK
- APPROXIMATE LOCATION OF EXISTING ABANDONED FIRE WATER LINE
- WESTERN PARCEL AS-BUILT SURVEY SPOT ELEVATION

NOTES:

1. BASEMAP INFORMATION BASED ON TOPOGRAPHIC SURVEYS CONDUCTED IN JANUARY 2011 BY C.T. MALE ASSOCIATES, P.C., MAY 2011 BY ANGLE OF ATTACK LAND SURVEYING, LLC., AND MARCH 2013
2. HORIZONTAL DATUM IS STATE PLANE, NAD 83, NEW YORK EAST ZONE. VERTICAL DATUM SHOWN IS NAVD 88.
3. ADDITIONAL SITE FEATURES (NOT SHOWN) MAY EXIST, THE LOCATIONS OF WHICH ARE NOT KNOWN AT THIS TIME. ALL RELEVANT SITE FEATURES/CONDITIONS SHALL BE FIELD VERIFIED/IDENTIFIED/LOCATED BY THE CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
4. LOCATION OF UTILITIES SHOWN ARE APPROXIMATE ONLY AND ALL UTILITIES MAY NOT BE SHOWN. PRIOR TO ANY CONSTRUCTION, THE CONTRACTOR SHALL CONTACT "DIG SAFELY NEW YORK" AND HAVE ALL UNDERGROUND UTILITIES MARKED ON THE GROUND. CONTRACTOR SHALL ALSO COORDINATE WITH CHEVRON'S REPRESENTATIVE FOR ADDITIONAL SITE UTILITY LOCATION REQUIREMENTS PRIOR TO CONSTRUCTION.
5. RAILROAD AVENUE ACCESS POINT RESTRICTED TO FOOT TRAFFIC.
6. ACCESS AND EGRESS TO/FROM THE SITE SHALL BE CONTROLLED THROUGH THE ACCESS GATE TO THE NORTH OF THE SITE.
7. MEAN HIGH WATER ELEVATION OBTAINED FROM ALPINE, HUDSON RIVER, NJ STATION.

50' 0 50' 100'
1"=50'

THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE

No.	Date	Revisions	By	Ckd

THIS DRAWING IS THE PROPERTY OF THE ARCADIS ENTITY IDENTIFIED IN THE TITLE BLOCK AND MAY NOT BE REPRODUCED OR ALTERED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF SAME.

Professional Engineer's Name: **JOSEPH MOLINA III, P.E.**
Professional Engineer's No.: 072644
State: NY | Date Signed: | Project Mgr.:
Designed by: RLP/MR | Drawn by: AGS | Checked by: MBH

ARCADIS
ARCADIS OF NEW YORK, INC.

NO ALTERATIONS PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY • FORMER TAPPAN TERMINAL SITE, HASTINGS-ON-HUDSON, NEW YORK
EASTERN PARCEL SOIL REMEDIATION

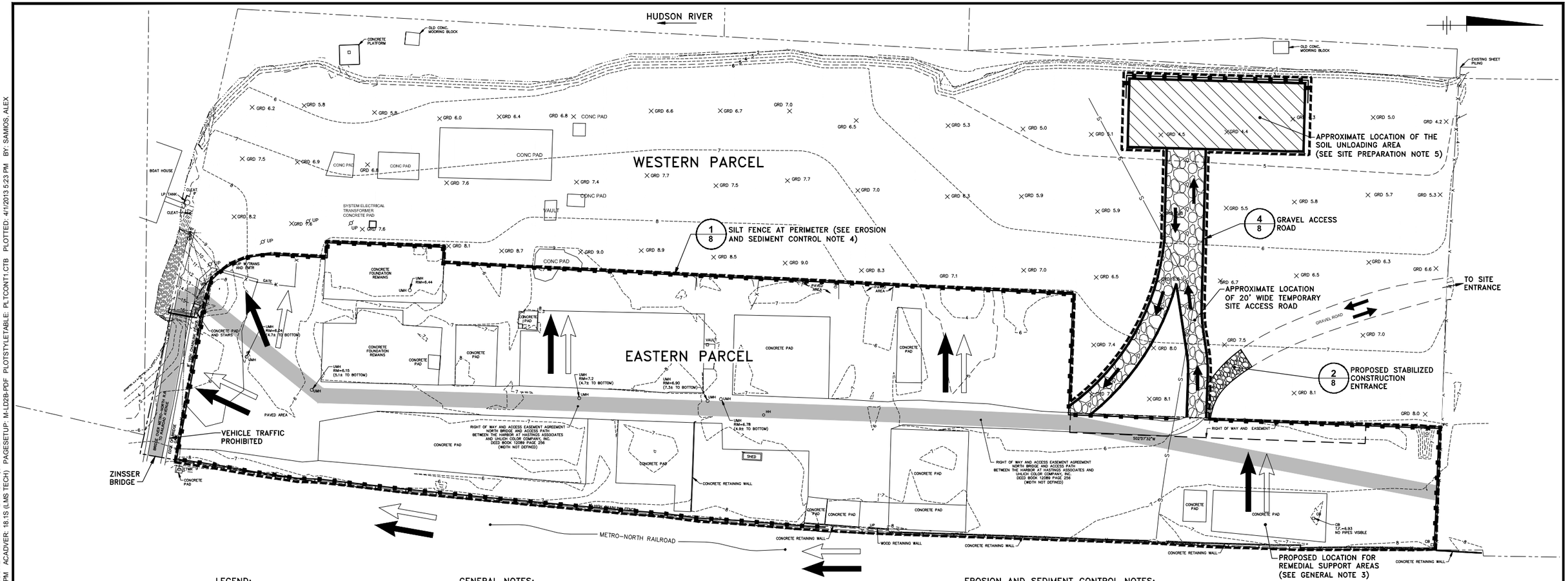
EXISTING SITE PLAN

ARCADIS Project No.
B0046760.0001.00004

Date
APRIL 2013

ARCADIS
6723 Towpath Road
PO Box 66
Syracuse, NY 13214-0066
TEL: 315.446.9120

1



LEGEND:

- EASTERN PARCEL PROPERTY BOUNDARY
- APPROXIMATE LIMIT OF WORK
- PROPOSED SILT FENCE (1/8)
- PROPOSED STABILIZED CONSTRUCTION ENTRANCE (2/8)
- EXISTING SURFACE WATER FLOW DIRECTION
- PROPOSED POST-CONSTRUCTION SURFACE WATER FLOW DIRECTION
- CONSTRUCTION ACCESS ROUTE
- EDGE OF MEAN HIGH WATER 1.85 FT
- DETAIL NUMBER / DRAWING NUMBER

GENERAL NOTES:

1. REFER TO DRAWING 1 NOTES FOR ADDITIONAL BASEMAP INFORMATION.
2. THE CONTRACTOR SHALL BEAR ALL COSTS AND RESPONSIBILITY FOR REPAIRS TO ANY ON-SITE AND/OR OFF-SITE FEATURES (UTILITIES, SIDEWALKS, ROADS, ETC.) DAMAGED AS A RESULT OF CONSTRUCTION ACTIVITIES.
3. PRIOR TO THE START OF THE REMEDIAL ACTIVITIES, THE CONTRACTOR SHALL CONSTRUCT REMEDIAL SUPPORT AREAS (E.G., AN EQUIPMENT/PERSONNEL DECONTAMINATION AREA, CONTRACTOR ADMINISTRATIVE AREA). THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUBMITTING TO THE ENGINEER A FIGURE INDICATING THE ACTUAL LOCATIONS OF SUCH AREAS FOR APPROVAL PRIOR TO MOBILIZATION.

SITE PREPARATION NOTES:

1. THE EXISTING FENCE ALONG THE EASTERN SIDE OF THE EASTERN PARCEL SHALL BE REPLACED FOLLOWING CONSTRUCTION ACTIVITIES. EXISTING FENCE MATERIALS SHALL BE DISPOSED OF OR RECYCLED OFF-SITE AT AN APPROVED FACILITY IN ACCORDANCE WITH APPLICABLE REGULATIONS. THE FENCELINE ALONG THE NORTHERN, SOUTHERN, AND WESTERN SIDES OF THE SITE SHALL BE EVALUATED IN COORDINATION WITH CHEVRON'S REPRESENTATIVE AND REPLACED AS NEEDED. THE CONTRACTOR SHALL EVALUATE THE MATERIAL TYPE OF THE EXISTING ON-SITE CHAIN LINK FENCE AND PROPOSE NEW MATERIALS THAT ARE OF THE SAME MATERIAL TYPE, DIMENSION, WEIGHT, WIRE TYPE AND WITH THE SAME ASSOCIATED ACCESSORIES (E.G., BARBED WIRE, STRETCHER BARS, TENSION WIRE, GATES, FOOTINGS AND WIRE TIES, ETC.). THE CONTRACTOR SHALL SUBMIT THE PROPOSED FENCE MATERIAL PRODUCT SHEETS FOR REVIEW BY CHEVRON'S REPRESENTATIVE.
2. CONSTRUCTION SITE SECURITY SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE ADEQUATE SITE SECURITY TO ENSURE 24-HOUR, 7-DAY-A-WEEK PREVENTION OF UNSUPERVISED AND/OR UNWARRANTED PUBLIC ACCESS TO ACTIVE WORK AREAS.
3. EXISTING CONCRETE PADS AND PAVED AREAS SHALL BE PERFORATED ON AN APPROXIMATE 50-FOOT GRID TO FACILITATE WATER INFILTRATION. IF A SLAB CANNOT BE PERFORATED USING READILY AVAILABLE CONSTRUCTION EQUIPMENT, IT MAY REMAIN INTACT AT THE DIRECTION OF CHEVRON'S REPRESENTATIVE.
4. CONTRACTOR SHALL INVESTIGATE UTILITY MANHOLES, CATCH BASINS, AND OTHER SUBSURFACE STRUCTURES TO DETERMINE IF THEY ARE ACTIVE AND NEED TO BE MAINTAINED. IF THE STRUCTURES ARE DEEMED INACTIVE, THE CONTRACTOR SHALL BACKFILL THE STRUCTURE. THE CONTRACTOR SHALL COORDINATE WITH CHEVRON'S REPRESENTATIVE PRIOR TO COMMENCING BACKFILLING.
5. CONTRACTOR SHALL COORDINATE WITH CHEVRON'S REPRESENTATIVE TO DETERMINE FINAL LOCATION OF SOIL UNLOADING AREA. SITE PREPARATION ACTIVITIES ON THE WESTERN PARCEL SHALL BE CONDUCTED IN ACCORDANCE WITH THE WESTERN PARCEL SITE MANAGEMENT PLAN.

EROSION AND SEDIMENT CONTROL NOTES:

1. TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSTALLED AND MAINTAINED IN ACCORDANCE WITH THE LATEST EDITION OF THE NEW YORK STANDARDS AND SPECIFICATION FOR EROSION AND SEDIMENT CONTROL.
2. LOCATIONS OF TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES MAY VARY DEPENDING ON ACTUAL FIELD CONDITIONS ENCOUNTERED AT TIME OF CONSTRUCTION. ADDITIONAL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES NOT SHOWN HERE MAY BE REQUIRED AT TIME OF CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING ALL NECESSARY TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES AT THE TIME OF CONSTRUCTION.
4. PROPOSED SILT FENCE ALONG THE WESTERN SIDE OF THE EASTERN PARCEL SHALL BE INSTALLED ALONG THE TOP OF SLOPE OF THE WESTERN PARCEL. SILT FENCE INSTALLATION MAY BE DELAYED UNTIL EASTERN PARCEL SOIL COVER ELEVATIONS ARE WITHIN ONE FOOT OF THE TOP OF SLOPE OF THE WESTERN PARCEL ELEVATIONS, SUCH THAT THE WESTERN PARCEL SOIL COVER IS BERMED-UP AT THE PERIMETER OF THE EASTERN PARCEL.
5. TO THE EXTENT PRACTICABLE, THE CONTRACTOR SHALL MINIMIZE THE AREA OF BARE SOIL EXPOSED AT ANY GIVEN TIME.
6. DURING CONSTRUCTION ACTIVITIES, ALL EROSION AND SEDIMENT CONTROL MEASURES SHALL BE INSPECTED FOR DEFICIENCIES OR REQUIRED MAINTENANCE BY A QUALIFIED INSPECTOR AT LEAST ONCE EVERY 7 CALENDAR DAYS. INSPECTIONS SHALL BE INCREASED TO A FREQUENCY OF TWO INSPECTIONS PER WEEK IF 5 OR MORE ACRES OF AREA REMAIN DISTURBED AT ONE TIME. THE TWO SITE INSPECTIONS SHALL BE SEPARATED BY A MINIMUM OF 2 DAYS. THE QUALIFIED INSPECTOR SHALL NOTIFY CHEVRON'S REPRESENTATIVE(S) AND APPROPRIATE CONTRACTORS OF ANY CORRECTIVE ACTIONS THAT NEED TO BE TAKEN WITHIN 1 BUSINESS DAY FOLLOWING THE INSPECTION.
7. THE CONTRACTOR SHALL IMPLEMENT APPROPRIATE DUST CONTROL MEASURES AT ALL TIMES TO MINIMIZE THE GENERATION AND POTENTIAL OFF-SITE MIGRATION OF FUGITIVE DUST.
8. THE CONTRACTOR SHALL UTILIZE GOOD HOUSEKEEPING PRACTICES (I.E., MAINTAIN A NEAT AND ORDERLY SITE) SO THAT MISCELLANEOUS CONSTRUCTION DEBRIS DOES NOT IMPACT STORMWATER RUNOFF.
9. THE CONTRACTOR SHALL PREVENT TRACKING OF SOIL MATERIALS ONTO OFF-SITE AREAS. ANY SOIL MATERIALS ACCIDENTALLY TRACKED OR OTHERWISE SPILLED/DROPPED ONTO OFF-SITE AREAS SHALL BE IMMEDIATELY CLEANED UP.

CITY: SYRACUSE, NY DIV/GROUP: ENVCAD DB: A. SAMIOS L. FORAKER LD: A. SAMIOS PIC: M. FLEISCHNER PM: W. MCCUNE TM: R. PARINI LYR: ON="OFF="REF"
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46760X05

50' 0 50' 100'
1"=50'

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Professional Engineer's Name: JOSEPH MOLINA III, P.E.
Professional Engineer's No.: 072644

State	Date Signed	Project Mgr.
NY		
Designed by	Drawn by	Checked by
RLP/MR	AGS	MBH

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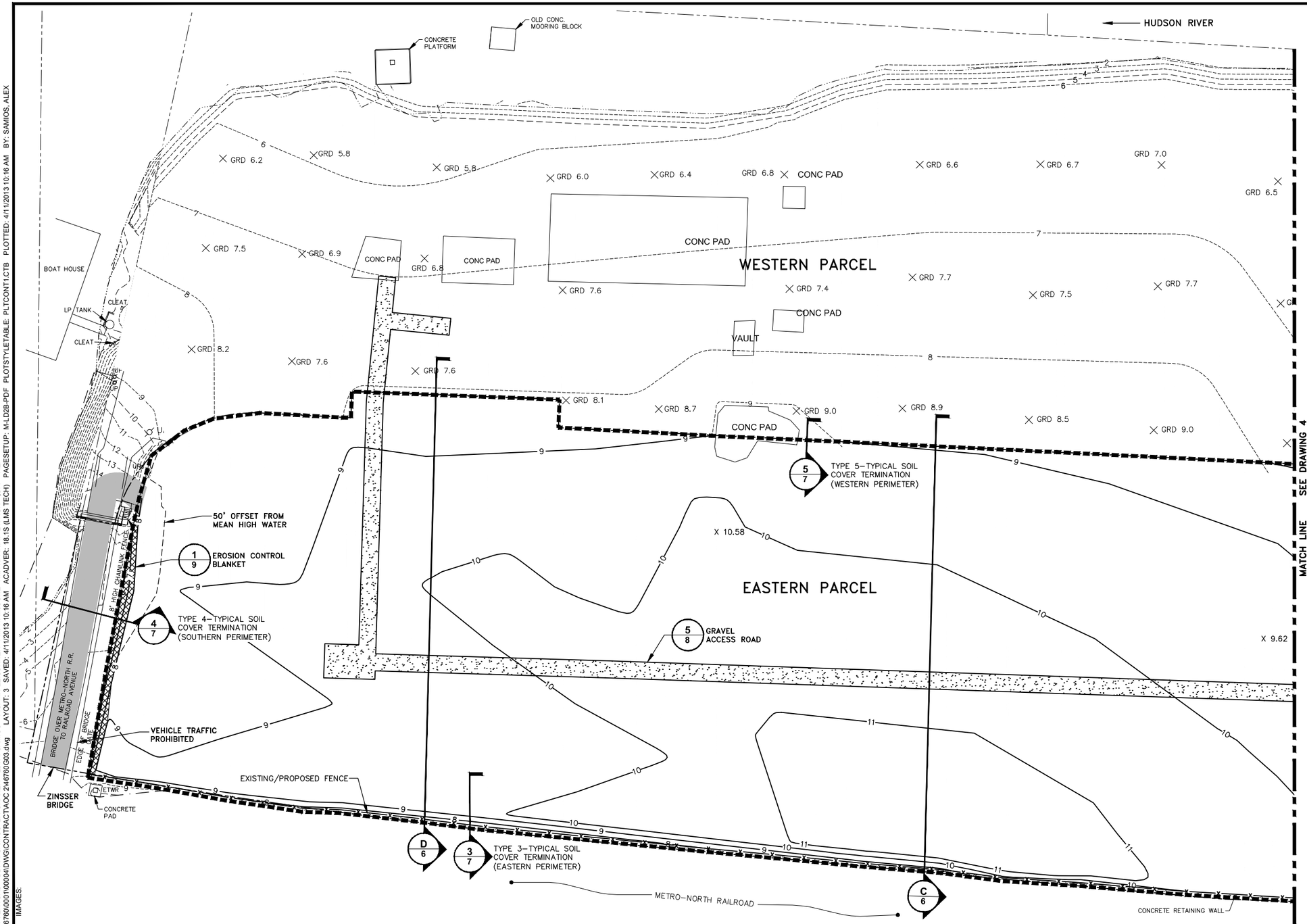
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CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY • FORMER TAPPAN TERMINAL SITE, HASTINGS-ON-HUDSON, NEW YORK
EASTERN PARCEL SOIL REMEDIATION

SITE PREPARATION AND EROSION AND SEDIMENT CONTROL

ARCADIS Project No. B0046760.0001.00004
Date APRIL 2013
ARCADIS
6723 Towpath Road
PO Box 66
Syracuse, NY 13214-0066
TEL. 315.446.9120

2



LEGEND:

- EXISTING 1–FT ELEVATION CONTOUR
- EXISTING 5–FT ELEVATION CONTOUR
- PROPOSED ELEVATION CONTOUR
- X 10.58 PROPOSED SPOT ELEVATION
- GRD 6.5 WESTERN PARCEL AS–BUILT SURVEY SPOT ELEVATION
- EXISTING/PROPOSED FENCE
- EASTERN PARCEL PROPERTY BOUNDARY
- ADJACENT PROPERTY BOUNDARY
- EDGE OF MEAN HIGH WATER 1.85 FT.
- APPROXIMATE LIMIT OF WORK
- EROSION CONTROL BLANKET 1/9
- GRAVEL ACCESS ROAD 5/8
- DETAIL/SECTION NUMBER / DRAWING NUMBER

NOTES:

1. REFER TO DRAWING 1 NOTES FOR ADDITIONAL BASEMAP INFORMATION.
2. FOLLOWING ACHIEVEMENT OF FINAL GRADE, FILL AREAS SHALL BE REVEGETATED IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
3. EROSION AND SEDIMENT CONTROLS (SEE DRAWING 2) SHALL BE REMOVED FOLLOWING ESTABLISHMENT OF A VEGETATIVE COVER WITH A MINIMUM OF 85 PERCENT DENSITY AND LESS THAN 5% INVASIVE SPECIES.
4. PROPOSED FINAL GRADES ARE APPROXIMATE AND MAY BE ADJUSTED BASED ON ACTUAL FIELD CONDITIONS ENCOUNTERED AT THE TIME OF CONSTRUCTION. MINIMUM SOIL COVER DEPTH (I.E., 2 FEET) SHALL BE VERIFIED BY SURVEY OF THE DEMARCATION AND FINAL GRADE LAYERS IN ACCORDANCE WITH THE MATERIALS AND PERFORMANCE SPECIFICATIONS.

CITY: SYRACUSE, NY DIV/GROUP: ENVCAD DB: A. SAMIOS L. FORAKER LD: A. SAMIOS PIC: M. FLEISCHNER PM: W. McCUNE TM: R. PARINI LYR: ON="OFF="REF"
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1"=30'

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Professional Engineer's Name: JOSEPH MOLINA III, P.E.
Professional Engineer's No.: 072644
State: NY | Date Signed: | Project Mgr.:
Designed by: RLP/MR | Drawn by: AGS | Checked by: MBH

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CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY • FORMER TAPPAN TERMINAL SITE, HASTINGS-ON-HUDSON, NEW YORK

EASTERN PARCEL SOIL REMEDIATION

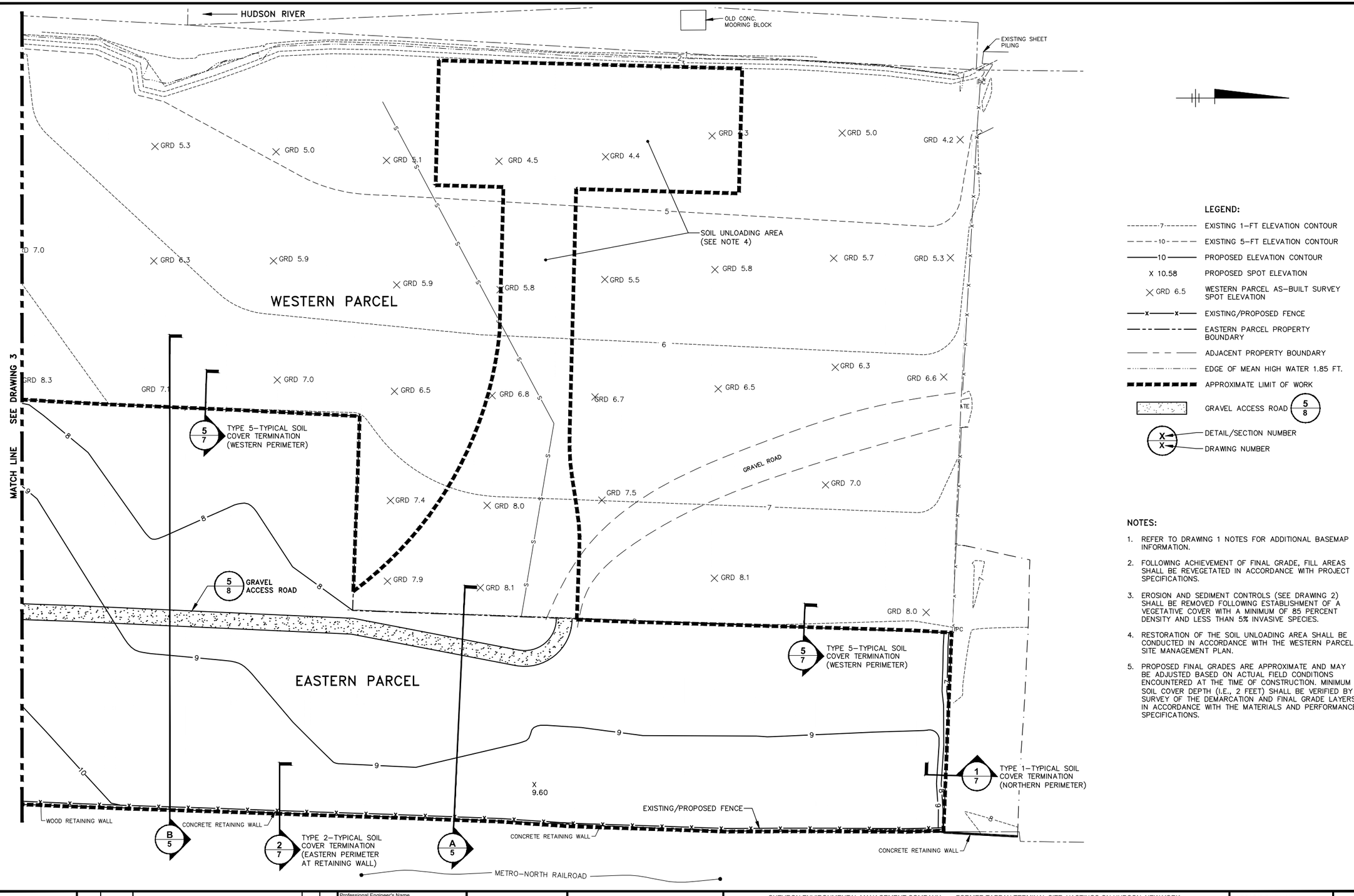
FINAL GRADING/RESTORATION PLAN (SOUTH)

ARCADIS Project No.
B0046760.0001.00004

Date
APRIL 2013

ARCADIS
6723 Towpath Road
PO Box 66
Syracuse, NY 13214-0066
TEL: 315.446.9120

3



LEGEND:

- EXISTING 1–FT ELEVATION CONTOUR
- EXISTING 5–FT ELEVATION CONTOUR
- PROPOSED ELEVATION CONTOUR
- X 10.58 — PROPOSED SPOT ELEVATION
- GRD 6.5 — WESTERN PARCEL AS–BUILT SURVEY SPOT ELEVATION
- EXISTING/PROPOSED FENCE
- EASTERN PARCEL PROPERTY BOUNDARY
- ADJACENT PROPERTY BOUNDARY
- EDGE OF MEAN HIGH WATER 1.85 FT.
- APPROXIMATE LIMIT OF WORK
- GRAVEL ACCESS ROAD 5/8
- X/X — DETAIL/SECTION NUMBER / DRAWING NUMBER

NOTES:

1. REFER TO DRAWING 1 NOTES FOR ADDITIONAL BASEMAP INFORMATION.
2. FOLLOWING ACHIEVEMENT OF FINAL GRADE, FILL AREAS SHALL BE REVEGETATED IN ACCORDANCE WITH PROJECT SPECIFICATIONS.
3. EROSION AND SEDIMENT CONTROLS (SEE DRAWING 2) SHALL BE REMOVED FOLLOWING ESTABLISHMENT OF A VEGETATIVE COVER WITH A MINIMUM OF 85 PERCENT DENSITY AND LESS THAN 5% INVASIVE SPECIES.
4. RESTORATION OF THE SOIL UNLOADING AREA SHALL BE CONDUCTED IN ACCORDANCE WITH THE WESTERN PARCEL SITE MANAGEMENT PLAN.
5. PROPOSED FINAL GRADES ARE APPROXIMATE AND MAY BE ADJUSTED BASED ON ACTUAL FIELD CONDITIONS ENCOUNTERED AT THE TIME OF CONSTRUCTION. MINIMUM SOIL COVER DEPTH (I.E., 2 FEET) SHALL BE VERIFIED BY SURVEY OF THE DEMARCATION AND FINAL GRADE LAYERS IN ACCORDANCE WITH THE MATERIALS AND PERFORMANCE SPECIFICATIONS.

CITY: SYRACUSE, NY DIV/GROUP: ENVCAD DB: A. SAMIOS L. FORAKER LD: A. SAMIOS PIC: M. FLEISCHNER PM: W. McCUNE TM: R. PARINI LYR: ON="OFF"="REF"
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Professional Engineer's Name: **JOSEPH MOLINA III, P.E.**
Professional Engineer's No.: 072644

State	Date Signed	Project Mgr.
NY		
Designed by	Drawn by	Checked by
RLP/MR	AGS	MBH

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EASTERN PARCEL SOIL REMEDIATION

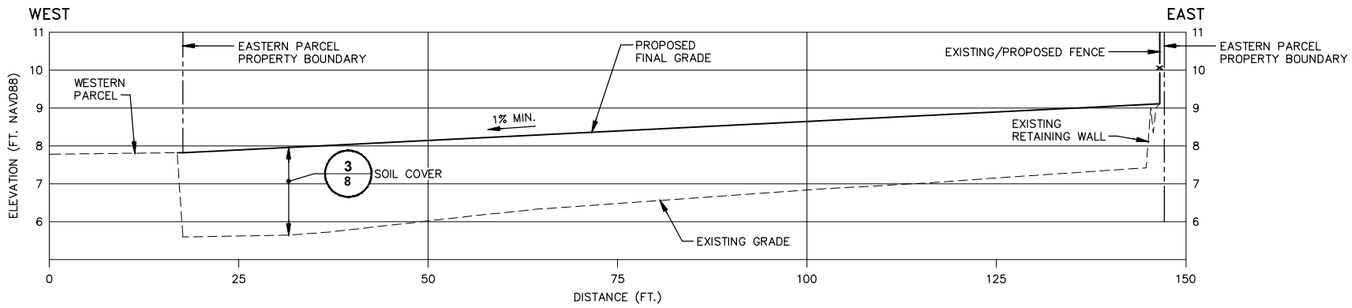
FINAL GRADING/RESTORATION PLAN (NORTH)

ARCADIS Project No.
B0046760.0001.00004

Date
APRIL 2013

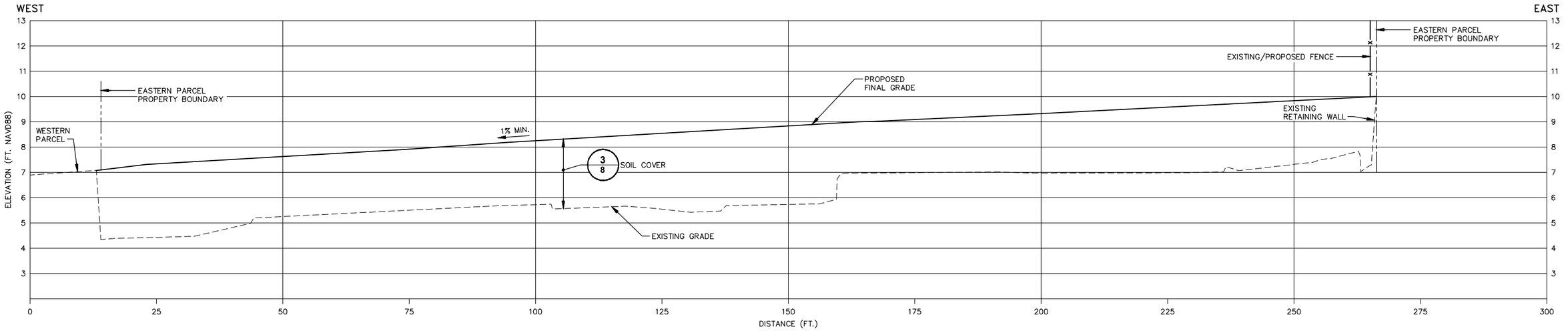
ARCADIS
6723 Towpath Road
PO Box 66
Syracuse, NY 13214-0066
TEL. 315.446.9120

4



CROSS SECTION A

SCALE: 1" = 10' HORIZONTAL
1" = 2' VERTICAL



CROSS SECTION B

SCALE: 1" = 10' HORIZONTAL
1" = 2' VERTICAL

CITY: SYRACUSE, NY DIV/GROUP: ENVCAD DB: A. SAMIOS L. FORAKER LD: A. SAMIOS PIC: M. FLEISCHNER PM: W. McCUNE TM: R. PARINI LYR: ON="OFF="REF"
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VERT. 2' 0 2' 4' 1"=2'

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Professional Engineer's Name	JOSEPH MOLINA III, P.E.	
Professional Engineer's No.	072644	
State	Date Signed	Project Mgr.
NY		
Designed by	Drawn by	Checked by
RLP/MR	AGS	MBH

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EASTERN PARCEL SOIL REMEDIATION

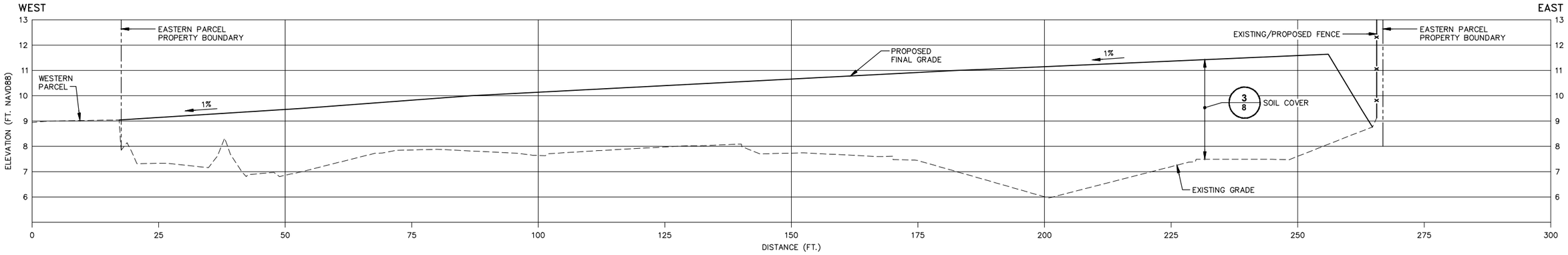
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ARCADIS Project No.
B0046760.0001.00004

Date
APRIL 2013

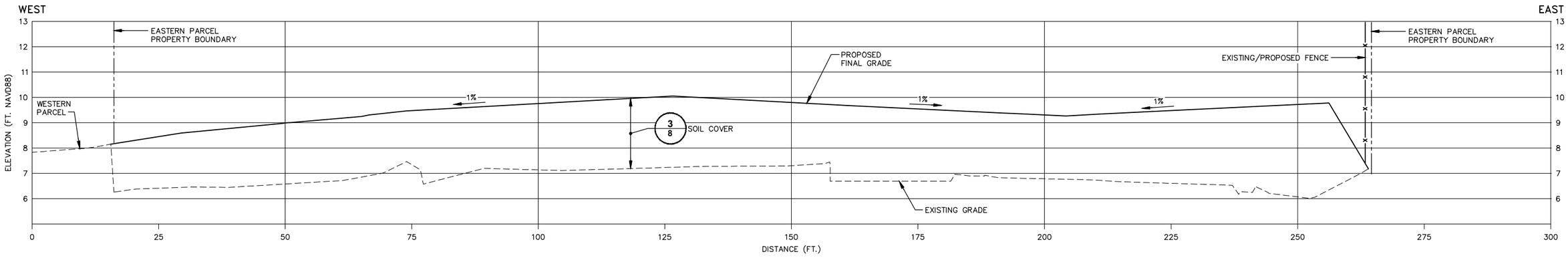
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Syracuse, NY 13214-0066
TEL. 315.446.9120

5



CROSS SECTION C

SCALE: 1" = 10' HORIZONTAL
1" = 2' VERTICAL



CROSS SECTION D

SCALE: 1" = 10' HORIZONTAL
1" = 2' VERTICAL

CITY: SYRACUSE, NY DIV/GROUP: ENVCAD DB: A. SAMIOS L. FORAKER LD: A. SAMIOS PIC: M. FLEISCHNER PM: W. McCUNE TM: R. PARINI LYR: ON=*;OFF=*REF*
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VERT. 2' 0 2' 4' — 1"=2'

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Professional Engineer's Name: **JOSEPH MOLINA III, P.E.**
Professional Engineer's No.: 072644
State: NY | Date Signed: | Project Mgr.:
Designed by: RLP/MR | Drawn by: AGS | Checked by: MBH

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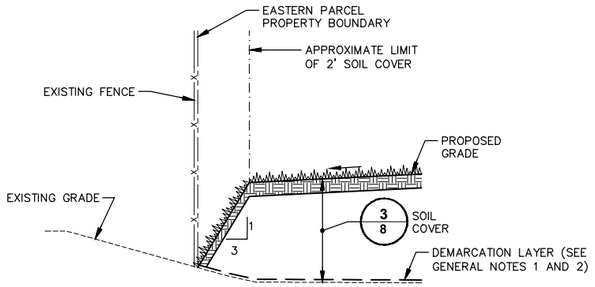
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY • FORMER TAPPAN TERMINAL SITE, HASTINGS-ON-HUDSON, NEW YORK
EASTERN PARCEL SOIL REMEDIATION

CROSS SECTIONS

ARCADIS Project No.
B0046760.0001.00004

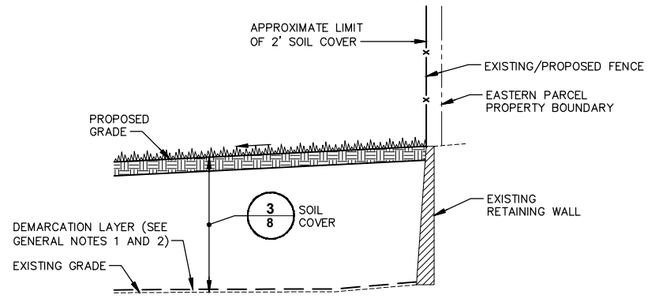
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Syracuse, NY 13214-0066
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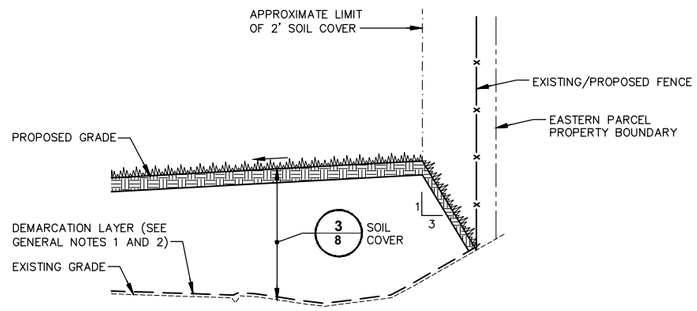
TYPE 1 - TYPICAL SOIL COVER TERMINATION (NORTHERN PERIMETER) 1

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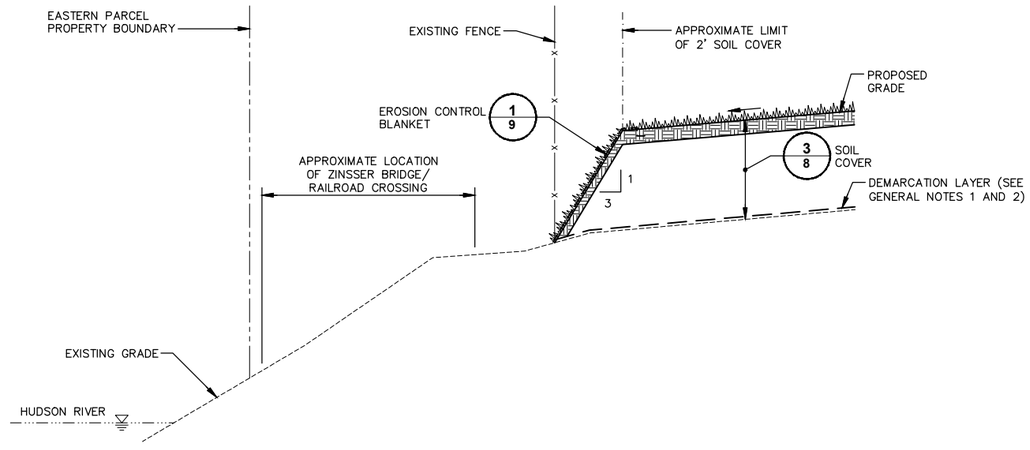
TYPE 2 - TYPICAL SOIL COVER TERMINATION (EASTERN PERIMETER AT RETAINING WALL) 2

NOT TO SCALE



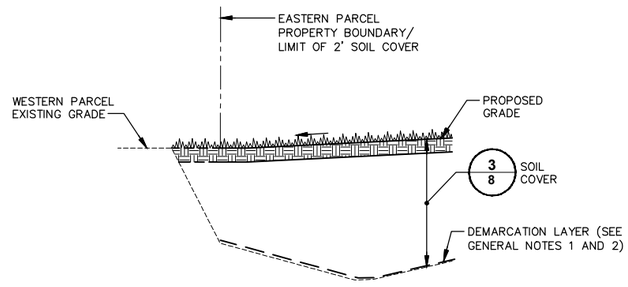
TYPE 3 - TYPICAL SOIL COVER TERMINATION (EASTERN PERIMETER) 3

NOT TO SCALE



TYPE 4 - TYPICAL SOIL COVER TERMINATION (SOUTHERN PERIMETER) 4

NOT TO SCALE



TYPE 5 - TYPICAL SOIL COVER TERMINATION (WESTERN PERIMETER) 5

NOT TO SCALE

GENERAL NOTES:

1. DEMARCATION LAYER SHALL BE A BRIGHT YELLOW OR ORANGE PLASTIC MESH MADE OF POLYPROPYLENE OR HDPE, OR A BRIGHT YELLOW OR ORANGE NON-WOVEN GEOTEXTILE FABRIC HAVING A MINIMUM NOMINAL WEIGHT OF 6 OUNCES PER SQUARE YARD. CONTRACTOR SHALL PROVIDE CHEVRON'S REPRESENTATIVE, FOR REVIEW, MATERIAL PROPERTY CUT SHEET AT LEAST ONE WEEK PRIOR TO ORDERING.
2. DEMARCATION LAYER SHALL BE INSTALLED PRIOR TO SOIL COVER PLACEMENT. DEMARCATION LAYER IS NOT REQUIRED OVER IMPERVIOUS AREAS (E.G., PAVEMENT, CONCRETE SLABS).

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Professional Engineer's Name		
JOSEPH MOLINA III, P.E.		
Professional Engineer's No.		
072644		
State	Date Signed	Project Mgr.
NY		
Designed by	Drawn by	Checked by
RLP/MR	AGS	MBH

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CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY • FORMER TAPPAN TERMINAL SITE, HASTINGS-ON-HUDSON, NEW YORK

EASTERN PARCEL SOIL REMEDIATION

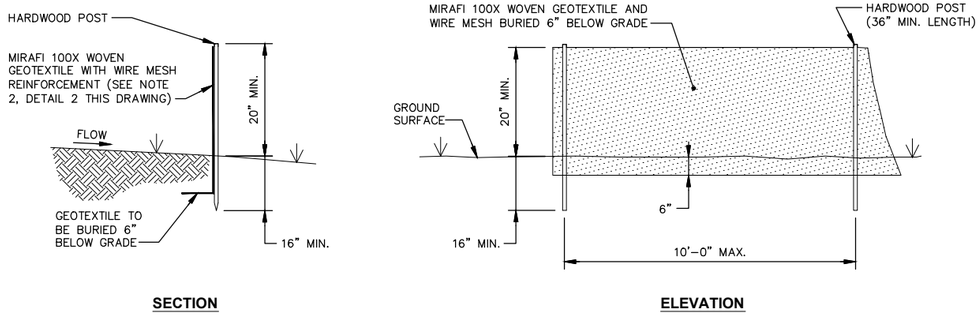
MISCELLANEOUS DETAILS

ARCADIS Project No.
B0046760.0001.00004

Date
APRIL 2013

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6723 Towpath Road
PO Box 66
Syracuse, NY 13214-0066
TEL. 315.446.9120

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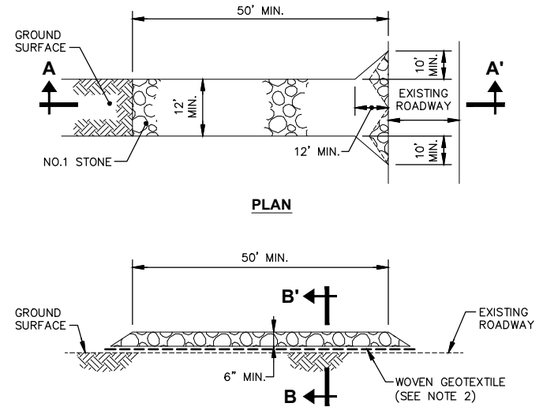
SECTION **ELEVATION**

NOTES:

1. SILT ACCUMULATIONS SHALL BE REMOVED WHEN DEPOSITS REACH APPROXIMATELY ONE-HALF OF THE HEIGHT OF SILT FENCE.
2. THE INTEGRITY OF SILT FENCING SHALL BE MAINTAINED FOR THE PROJECT DURATION AND UNTIL ADEQUATE VEGETATIVE GROWTH IS ESTABLISHED.

SILT FENCE 1

NOT TO SCALE

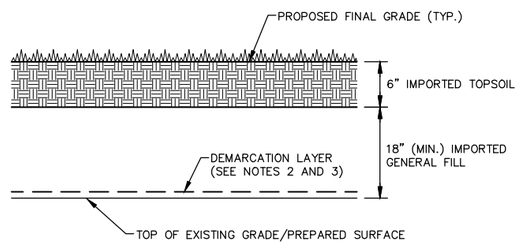


NOTES:

1. STABILIZED CONSTRUCTION ENTRANCES SHALL BE INSTALLED AT ALL SITE INGRESS/EGRESS LOCATIONS.
2. WOVEN GEOTEXTILE SHALL MEET AASHTO M288-05 CLASS I SURVIVABILITY REQUIREMENTS FOR SEPARATION GEOTEXTILES, SUCH AS TENCATE MIRAFI 600X OR EQUIVALENT.

STABILIZED CONSTRUCTION ENTRANCE 2

NOT TO SCALE

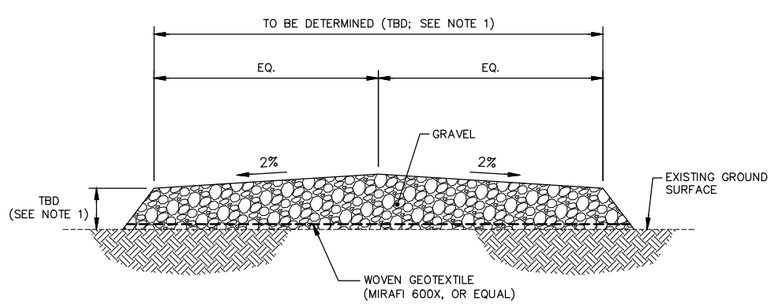


NOTES:

1. SOIL COVER SHALL BE PLACED TO THE LIMITS INDICATED ON THESE DRAWINGS.
2. DEMARCATION LAYER SHALL BE A BRIGHT YELLOW OR ORANGE PLASTIC MESH MADE OF POLYPROPYLENE OR HDPE, OR A BRIGHT YELLOW OR ORANGE NON-WOVEN GEOTEXTILE FABRIC HAVING A MINIMUM NOMINAL WEIGHT OF 6 OUNCES PER SQUARE YARD. CONTRACTOR SHALL PROVIDE CHEVRON'S REPRESENTATIVE, FOR REVIEW, MATERIAL PROPERTY CUT SHEET AT LEAST ONE WEEK PRIOR TO ORDERING.
3. DEMARCATION LAYER SHALL BE INSTALLED PRIOR TO SOIL COVER PLACEMENT. DEMARCATION LAYER IS NOT REQUIRED OVER IMPERVIOUS AREAS (E.G., PAVEMENT, CONCRETE SLABS).

SOIL COVER 3

NOT TO SCALE

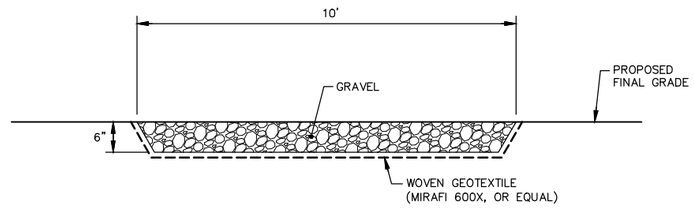


NOTES:

1. WIDTH AND THICKNESS OF TEMPORARY ACCESS ROAD SHALL BE DETERMINED PRIOR TO START OF CONSTRUCTION BASED ON ANTICIPATED VEHICLE LOADING, EXISTING GROUND CONDITIONS, AND ANTICIPATED DURATION OF USE.

TEMPORARY ACCESS ROAD 4

NOT TO SCALE



NOTES:

1. ACCESS ROAD SHALL BE SLOPED TO MATCH THE PROPOSED FINAL GRADING AND SHALL BE FLUSH WITH GRADE.

GRAVEL ACCESS ROAD 5

NOT TO SCALE

GENERAL NOTES:

1. REFER TO MATERIALS AND PERFORMANCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

CITY: SYRACUSE, NY DIV/GROUP: ENVCAD DB: A. SAMIOS L. FORAKER LD: A. SAMIOS PIC: M. FLEISCHNER PM: W. McCUNE TM: R. PARINI LYR: ON="*";OFF="*REF*"
G:\ENVCAD\SYRACUSE\ACTIVE\B0046760\0001\0000041\DWG\CONTRACTAOC 246760G08.dwg LAYOUT: 8 SAVED: 4/11/2013 9:41 AM ACADVER: 18.1S (LMS TECH) PAGESETUP: M-LD2B-PDF PLOTSTYLETABLE: PLTCONT1.CTB PLOTTED: 4/11/2013 9:42 AM BY: SAMIOS, ALEX
XREFS: IMAGES:
46760X00

NOT TO SCALE

THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE

No.	Date	Revisions	By	Ckd

THIS DRAWING IS THE PROPERTY OF THE ARCADIS ENTITY IDENTIFIED IN THE TITLE BLOCK AND MAY NOT BE REPRODUCED OR ALTERED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF SAME.

Professional Engineer's Name: JOSEPH MOLINA III, P.E.
Professional Engineer's No.: 072644
State: NY | Date Signed | Project Mgr.
Designed by: RLP/MR | Drawn by: AGS | Checked by: MBH

ARCADIS
ARCADIS OF NEW YORK, INC.

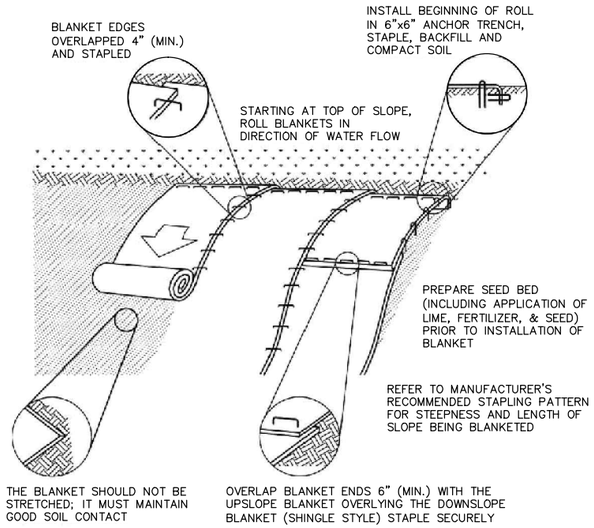
NO ALTERATIONS PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY • FORMER TAPPAN TERMINAL SITE, HASTINGS-ON-HUDSON, NEW YORK
EASTERN PARCEL SOIL REMEDIATION

MISCELLANEOUS DETAILS

ARCADIS Project No.: B0046760.0001.00004
Date: APRIL 2013

ARCADIS
6723 Towpath Road
PO Box 66
Syracuse, NY 13214-0066
TEL. 315.446.9120



NOTES:

1. SEED AND SOIL AMENDMENTS SHALL BE APPLIED PRIOR TO INSTALLING THE BLANKET.
2. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS, AND GRASS PRIOR TO PLACEMENT OF THE BLANKET.
3. BLANKET SHALL HAVE GOOD CONTINUOUS CONTACT WITH UNDERLYING SOIL THROUGHOUT ENTIRE LENGTH. LAY BLANKET LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH SOIL. DO NOT STRETCH BLANKET.
4. BLANKETED AREAS SHALL BE INSPECTED WEEKLY UNTIL PERENNIAL VEGETATION IS ESTABLISHED TO A MINIMUM UNIFORM 85% COVERAGE THROUGHOUT THE BLANKETED AREA. DAMAGED OR DISPLACED BLANKETS SHALL BE RESTORED OR REPLACED.
5. EROSION CONTROL BLANKET SHALL BE S150 AS MANUFACTURED BY NORTH AMERICAN GREEN OR APPROVED EQUAL.

EROSION CONTROL BLANKET (1)

NOT TO SCALE

GENERAL NOTES:

1. REFER TO MATERIALS AND PERFORMANCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

CITY: SYRACUSE, NY DIV/GROUP: ENVCAD DB: A. SAMIOS L. FORAKER LD: A. SAMIOS PIC: M. FLEISCHNER PM: W. McCUNE TM: R. PARINI LYR: ON=*;OFF=*REF*
G:\ENVCAD\SYRACUSE\ACTIVE\B0046760\0001\00004\DWG\CONTRACTA\OC 246760G08.dwg LAYOUT: 9 SAVED: 4/1/2013 5:21 PM ACADVER: 18.1S (LMS TECH) PAGESETUP: M-LD2B-PDF PLOTSTYLETABLE: PLTCONT1.CTB PLOTTED: 4/1/2013 5:21 PM BY: SAMIOS, ALEX
XREFS: IMAGES:
467760X00

NOT TO SCALE

THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE

No.	Date	Revisions	By	Ckd

THIS DRAWING IS THE PROPERTY OF THE ARCADIS ENTITY IDENTIFIED IN THE TITLE BLOCK AND MAY NOT BE REPRODUCED OR ALTERED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF SAME.

Professional Engineer's Name: JOSEPH MOLINA III, P.E.
Professional Engineer's No.: 072644
State: NY | Date Signed: | Project Mgr.:
Designed by: RLP/MR | Drawn by: AGS | Checked by: MBH

ARCADIS
ARCADIS OF NEW YORK, INC.

NO ALTERATIONS PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY • FORMER TAPPAN TERMINAL SITE, HASTINGS-ON-HUDSON, NEW YORK
EASTERN PARCEL SOIL REMEDIATION

MISCELLANEOUS DETAILS

ARCADIS Project No.
B0046760.0001.00004

Date
APRIL 2013

ARCADIS
6723 Towpath Road
PO Box 66
Syracuse, NY 13214-0066
TEL. 315.446.9120

9

VILLAGE OF HASTINGS-ON-HUDSON

Floodplain Permit Application Checklist

Code section	Code Section Provisions	Indicate how the applicable provisions are addressed* **Former Tappan Terminal (AOC 2) Application of 6/17/2013**
146-10.B(1)	The proposed elevation, in relation to mean sea level, of the lowest floor (including basement or cellar) of any new or substantially improved structure to be located in Zones A1-A30, AE or AH, or Zone A if base flood elevation data are available. Upon completion of the lowest floor, the permittee shall submit to the local administrator the as-built elevation, certified by a licensed professional engineer or surveyor.	NA – No structures (other than fencing) are proposed.
146-10.B(2)	The proposed elevation, in relation to mean sea level, to which any new or substantially improved nonresidential structure will be floodproofed. Upon completion of the floodproofed portion of the structure, the permittee shall submit to the local administrator the as-built floodproofed elevation, certified by a professional engineer or surveyor.	NA – No structures (other than fencing) are proposed.
146-10.B(3)	A certificate from a licensed professional engineer or architect that any utility floodproofing will meet the criteria in § 146-12C(3).	NA – No utilities are proposed.
146-10.B(4)	A certificate from a licensed professional engineer or architect that any nonresidential floodproofed structure will meet the floodproofing criteria in § 146-12E.	NA – No structures (other than fencing) are proposed.
146-10.B(5)	A description of the extent to which any watercourse will be altered or relocated as a result of proposed development. Computations by a licensed professional engineer must be submitted that demonstrate that the altered or relocated segment will provide equal or greater conveyance than the original stream segment. The applicant must submit any maps, computations or other material required by the Federal Emergency Management Agency (FEMA) to revise the documents enumerated in§ 146-6, when notified by the local administrator, and must pay any fees or other costs assessed by FEMA for this purpose. The applicant must also provide assurances that the conveyance capacity of the altered or relocated stream segment will be maintained.	NA – during conversations with Village of Hastings-on-Hudson representatives during a pre-application meeting on Tuesday, May 14th, 2013, representatives noted that correspondence with the NYSDEC concerning the western portion of the site confirmed there is no regulatory floodway along the adjacent shoreline and that flood storage is not a requirement of the National Flood Insurance Program (See 9/15/11 email from NYSDEC Bureau of Flood Protection and Dam Safety). This determination should be similar for the eastern portion of the site.
146-10.B(6)	A technical analysis, by a licensed professional engineer, if required by the local administrator, which shows whether proposed development to be located in an area of special flood hazard may result in physical damage to any other property.	NA – during conversations with Village of Hastings-on-Hudson representatives during a pre-application meeting on Tuesday, May 14th, 2013, representatives noted that correspondence with the NYSDEC concerning the western portion of the site confirmed there is no regulatory floodway along the adjacent shoreline and that flood storage is not a requirement of the National Flood Insurance Program (See 9/15/11 email from NYSDEC Bureau of Flood Protection and Dam Safety). This determination should be similar for the eastern portion of the site.
146-10.B(7)	In Zone A, when no base flood elevation data are available from other sources, base flood elevation data shall be provided by the permit applicant for subdivision proposals and other proposed developments that are greater than either 50 lots or five acres.	NA – Flood Insurance Rate Map No. 36119C0307F designates a portion of the proposed area as Zone AE with a 100-year flood elevation of 7' (NAVD88) with the remainder of the area designated as Zone X.

*Indicate by notes such as, "see Note/Detail on Dwg #_", "See PE certification/note in the attached letter", or "NA", etc. where "NA" stands for "Not applicable".

054524

ARCADIS

630 Plaza Drive, Suite 600 • Highlands Ranch, Colorado 80129
Tel 720/344-3500 • Fax 720/344-3535

Bank of America, N.A.
70-2328/719 IL

CHECK DATE

June 14, 2013

PAY

Two Hundred Fifty and 00/100

AMOUNT

$250.00

TO

VILLAGE OF HASTINGS-ON HUDSON
7 MAPLE AVE
HASTINGS-ON-HUDSON, NY 10706-1434

ARCADIS

MP

Security Check features included. Details on back.

⑈054524⑈ ⑆071923284⑆ 876503044 2⑈

ARCADIS

630 Plaza Drive, Suite 600 • Highlands Ranch, Colorado 80129 Tel 720/344-3500 • Fax 720/344-3535

EMILY BUSINESS FORMS 800.392.6018 VISION

054524

Check Date: 6/14/2013

Invoice Number	Date	Voucher	Amount	Discounts	Previous Pay	Net Amount
06132013	6/13/2013	1785816	$250.00			$250.00
VILLAGE OF HASTINGS-ON HUDSON		TOTAL	$250.00			$250.00
204 - AP DISB (CHECKS) - 346		0062498				

APPENDIX C

Tree Removal Permit

APPLICATION APPROVED

SEE NOTES ON page 2.

Village of Hastings-on-Hudson

TREE PERMIT APPLICATION

Name ARCADIS U.S., Inc. Telephone 315.446.9120

Address Site Access: 2 River Street
Hastings-on-Hudson, NY 10706

Tax Map No. 4.100-93-17

Describe 1) Total land area of the parcel and land area involved in the cutting operations:

The total land area of the parcel is 7 acres. The land area involved in cutting operations is approximately 0.5 acres.

2) The number of trees to be removed and the size (dbh and height) and species of each:

See attached figure for trees greater than 12 inches, which are proposed for removal.

3) The reason for the tree removal:

The proposed environmental remediation of the site includes the installation of a soil cover system. Tree removal will be performed to facilitate construction and grading activities.

4) The method by which the tree(s) would be removed:

Trees will be removed via standard tree felling procedures and will be cut such that all trees are felled onto the remedial site. Stumps shall be cut flush to existing grade. Removal and disposal of stumps may be performed if required for remedial construction. Tree removal debris will be chipped and spread thinly over the site prior to placement of proposed fill material.

5) Name of the individual or entity that will undertake removal:

Remedial Construction Services, L.P. (Contact - Chad Evenson: 949.476.9300) and Bartlett Tree Experts (Contact – John Tobias: 914.592.4520) will undertake tree removal.

PLEASE NOTE: a) A tree survey shall be submitted to the Planning Board for subdivisions or site plan approvals. Where no subdivision or site plan is involved, a simple sketch on a survey copy or tax map is sufficient. The sketch shall include the location of the tree(s) requested for removal.

b) Proof that neighbors (adjacent property owners) have been notified at least two weeks in advance of filing of this permit.

Michael Higgins Jr.

Applicants Signature

06/17/2013

Date

For Office Use Only:

Date Application Filed: June 23, 2013

Sketch Submitted: Yes ✓ No ____

Proof of Neighbor Notification: Yes ✓ No ____

Referred to Tree Board (date): June 24, 2013

Building Inspector [signature] Signature

Tree Board Recommendation

Application Approval: Yes ✓ No ____

Reason for Recommendation:

SEE ATTACHED E-MAIL REPORT FROM BILL CROSBY

Tree Board [signature]
On behalf of the Tree Board.

Date: ____

APPLICANT NOTIFIED OF PERMIT APPROVAL OR REJECTION? YES ✓ NO ____

NUMBER AND TYPE OF TREES TO BE REPLACED

NUMBER	TYPE
	SEE ATTACHED AGREEMENT ABOUT PAYMENT IN LIEU OF TREES REPLACEMENT BY THE APPLICANT

Deven Sharma

From: William E Crosby [xbeew@aol.com]
Sent: Tuesday, June 25, 2013 12:24 PM
To: Jenny Lee
Cc: Brett Schneiderman; Deven Sharma
Subject: Re: Tree removal permit: Tappan Terminal site, 2 River Street

Jenny & Brett,

Today I inspected the site accompanied by John Giaimis, Field Supervisor for Arcadis. Photos were taken of the 28" oak, 22" royal paulownia and 22" black locust to be forwarded under separate cover. The rest of the trees on the photo of the Tree Removal Plan submitted with the Application for Tree Permit, are either identified as dead, or of the ailanthus family, all of which have no intrinsic value and should be removed. There only purpose might be to screen the site from the passing trains.

The whole Eastern perimeter site is overgrown with vines and shrubs that will be removed by Bartlett Tree Experts together with the trees to permit the installation of a soil cover system as part of the site remediation plan.

What is more important is the suggested remediation measures offered by Arcadis in the form of compensation to the Village so that new trees can be planted offsite at the Village's (Tree Board's ?) discretion. I suggest the Tree Permit only be granted if an an agreed dollar amount, in writing, can be appended as part of the record. I defer to Jenny as Chair to come up with a justifiable dollar amount.

Bill Crosby

On Jun 25, 2013, at 9:40 AM, Jenny Lee <jstorrslee.la@gmail.com> wrote:

> I think the we will not have much to say about this site. My understanding is that there is sort of grand master plan - that indicates where different uses will occur - the uses determine the type and amount of remediation. The type and amount of remediation determine which trees must be removed.
>
> By all means take a look at the site, but I think the process is to far along and complex for the tree board to make changes at this time.
>
> jenny
>
> On Mon, Jun 24, 2013 at 1:03 PM, Brett Schneiderman <bs523@cornell.edu> wrote:
> I took a look at the paperwork. I guess their strategy is to create a clean slate to work on. I am curious really only about the oak. If its in good condition then I would wonder if there is an alternative. With remediation, I don't know how the system works. There are some big pawlinas too. I am not budgeting time to look at this over the weekend and you may need access to the site anyway.
>
> Brett

TREE PRESERVATION AGREEMENT

This Tree Preservation Agreement ("Agreement") is made and entered into by and between **ARCADIS of New York, Inc.** ("ARCADIS"), and **VILLAGE OF HASTINGS-ON-HUDSON** ("Village") (collectively "Parties").

WHEREAS, PAUL UHLICH & COMPANY is the owner of the real property located at One Southside Avenue, in the Village of Hastings-on-Hudson, Westchester County, New York, sometimes referred to as the Former Tappan Terminal Site ("Property").

WHEREAS, Pursuant to the New York State Department of Environmental Conservation Record of Decision, dated September 2006, Site # 360015 ("ROD"), Cheveron Environmental Management Company (CEMC) shall construct and install a cap on the Property which shall require the clearing of all vegetation located on the Property, including, but not limited to, the removal of a total of thirteen (13) hardwood trees, ranging from approximately 14" to 42" in diameter ("Trees").

WHEREAS, This contemplated removal of the Trees may be subject to the Village's local Tree Preservation Ordinance, Chapter 273 of the Municipal Code, ("Tree Preservation Ordinance") which, among other things, appears to require the backfilling, re-seeding and/or the re-planting of Trees removed. Replanting of the Trees on the Property, however, is not practical in light of the requirements of the ROD and the proposed imposition of an environmental easement at the property.

WHEREAS, In light of these circumstances and, in lieu of, among other things, backfilling, re-seeding, and/or re-planting the Trees removed, the Parties agree that ARCADIS, on behalf of CEMC, shall instead provide funds to the Village for the planting of trees at other locations within Hastings-on-Hudson in full and complete satisfaction of and/or compliance with the Tree Preservation Ordinance.

WHEREAS, The Parties now seek to memorialize their mutual covenants and promises with respect to the Property in accordance with the terms and conditions outlined herein.

NOW, THEREFORE in consideration of the mutual covenants and promises contained herein, and other good and valuable consideration, the receipt and adequacy of which is hereby acknowledged, the Parties hereto agree as follows:

1) **Recitals** The foregoing recitals are true and correct and are incorporated herein for all purposes.

2) **Tree Permit Application** ARCADIS, on behalf of CEMC, shall file a Tree Permit Application to include application fee of $1,000 with the Village for the removal of the Trees from the Property. In turn, if the application meets the requirements of applicable law, the Village shall approve the application and issue the permit. Thereafter, CEMC and/or CEMC's contractors shall perform the tree removal in accordance with the approved permit issued by the applicable governmental authority, applicable laws and regulations.

3) **Satisfaction of Tree Ordinance by CEMC** The Parties agree that ARCADIS and CEMC's performance pursuant to the terms and conditions of this Agreement shall be deemed full and complete satisfaction of and/or compliance with the Tree Preservation Ordinance. ARCADIS and CEMC shall have no further obligations and/or liability with respect with the Trees removed and/or the Tree Preservation Ordinance, including, but not limited to, any requirement to re-plant or re-place any trees on the Property and/or from any associated penalties or fines.

4) **Funds for Tree Plantings** Following the execution of this Agreement, and within sixty (60) days following the issuance of the permit, ARCADIS, on behalf of CMEC, shall pay to the Village a one-time sum of Thirteen Thousand Dollars ($13,000.00), for the purposes of funding the installation and planting of trees in the Village of Hastings-on-Hudson. Such funds, and the disposition of such funds, shall be used and managed at the sole discretion of the Village. ARCADIS and CEMC shall have no further obligation and/or liability with respect to the funds, the disposition of the funds, and/or the trees planted/installed, including, but not limited to, with respect to the location, placement and/or maintenance of the trees planted/installed.

5) **Entire Agreement** This Agreement constitutes the Parties' entire agreement on this subject. There are no written or oral representations or understandings that are not fully expressed in this Agreement. No change, waiver, or discharge is valid unless in writing and signed by the party against whom it is sought to be enforced.

6) **Statement of Agreement** This Agreement is not and shall not be construed as an admission of any issue of fact or law or as an admission or adjudication of any liability and shall not be admissible in any suit or proceeding except a suit or proceeding to enforce the terms contained herein.

7) **Rule of Construction** The Village, ARCADIS, and CEMC acknowledge that this Agreement has been negotiated at arm's-length and, therefore, agree that any rule of construction of contracts resolving any ambiguities against the drafting party is waived and shall be inapplicable to this document.

8) **Enforceability** If any part of this Agreement is for any reason found to be unenforceable, all other portions nevertheless remain enforceable.

9) **Waiver** The waiver of any breach of any term or condition of this Agreement does not waive any other breach of that term or condition or of any other term or condition.

10) **Governing Law** This Agreement is governed by and will be construed - and its performance enforced - under New York law, without regard for its choice of law principles.

11) **Signatories** This Agreement may be executed in one or more counterparts and by facsimile signatures, each of which shall be deemed an original agreement, but all of which together shall constitute one and the same instrument.

12) **Agreement Execution Authority** Each person executing this Agreement represents that the party on whose behalf the person is executing this Agreement has duly authorized the execution of this Agreement and that such person is authorized to execute the Agreement on behalf of such party.

IN WITNESS HEREOF, the Parties hereto are authorized and have executed this Agreement on the day and year last written below.

ARCADIS of New York, Inc.

7/3/13
Date:

By: _____
Name: William F. McCann
Title: Principal Geologist/Corp 2

VILLAGE OF HASTINGS-ON-HUDSON

7/3/13
Date:

By: _____
Name: FRANCIS A. FROBEL
Title: Village Manager

ARCADIS
Infrastructure · Water · Environment · Buildings

ARCADIS of New York, Inc.
6723 Towpath Road
PO Box 66
Syracuse
New York 13214-0066
Tel 315 446 9120
Fax 315 671 9450
www.arcadis-us.com

ENVIRONMENT

Deven Sharma, AIA
Building Inspector
Village of Hastings-on-Hudson
Building Department
7 Maple Avenue
Hastings-on-Hudson, New York 10706

RECEIVED
JUN 23 2013
HASTINGS-ON-HUDSON
BUILDING DEPARTMENT

Subject:
Tree Removal Permit Application
Former Tappan Terminal Site (AOC 2)

Date:
June 21, 2013

Contact:
Michael Higgins, Jr., P.E.

Phone:
315 671 9545

Email:
michael.higgins@arcadis-us.com

Our ref:
B0046760 #2.10

Dear Mr. Sharma:

On behalf of the Chevron Environmental Management Company, ARCADIS is requesting a Tree Removal Permit in accordance with Section 273-7 of the Village of Hastings-on-Hudson Code (Village Code) for tree removal related to environmental remediation at the Former Tappan Terminal Site (AOC 2).

The site, located at One Southside Avenue in Hastings-on-Hudson, New York, is being remediated under New York State Department of Environmental Conservation (NYSDEC) Record of Decision for Site No. 3-60-015 dated September 2006. Remedial construction activities will include constructing a soil cover system at the site. Construction of the system will involve the clearing of the site, placement of a demarcation layer, and installation of a minimum of two feet of clean cover soil. All existing vegetation will be cleared to install the cover system, which is minimal on the parcel.

The removal of Designated Trees (i.e., those with a diameter at breast height of 12 inches or more) will be limited to the eastern side of the site. Tree locations, diameters, heights, and types have been summarized on the attached Figure 1: Tree Removal Plan.

Also attached to this letter, please find the completed Tree Permit Application as provided via hardcopy by the Village along with the Application for Tree Permit as generated by the Village of Hastings-on-Hudson Online Permit Portal. Errors in the application generated by the Online Permit Portal have been marked and amended where appropriate as discussed during phone conversations with Village representatives.

Notification of proposed tree removals at the site was sent via Certified Mail to all neighbors on May 29, 2013 as required by the permit. All receipts of delivery that

have been returned as well as an example of the notification letter are included as attachments to this letter.

It is understood that the proposed tree removal should include mitigation measures in the form of replacing trees removed during construction. Based on discussions with Village representatives, the most reasonable course of action will be to provide compensation to the Village so that new trees can be planted offsite by the Village and at the Village's discretion. Please let us know the cost of tree replacement by the Village so that payment can be provided.

We anticipate commencing tree removal at the beginning of July of this year. Please don't hesitate to contact me at 315.671.9545 should you have any questions or wish to discuss the application in greater detail. Thank you once again for your assistance.

Sincerely,

ARCADIS of New York, Inc.

Michael Higgins Jr.

Michael Higgins, Jr., P.E.
Project Environmental Engineer

Attachments:
Village of Hastings-on-Hudson Tree Permit Application
Figure 1: Tree Removal Plan
Example Notification Letter
Notification Mailing Return Receipts
Application for Tree Permit (as Generated by Online Permit Portal)
Application Permit Fee Payment

Copies:
William McCune, ARCADIS

ARCADIS
Infrastructure Water Environment Buildings

ARCADIS of New York, Inc.
6723 Towpath Road
PO Box 66
Syracuse
New York 13214-0066
Tel 315 446 9120
Fax 315 446 8053
www.arcadis-us.com

ADDRESSEE

Subject:
Village of Hastings-on-Hudson Tree Removal Notification

ENVIRONMENT

Dear ADDRESSEE,

As required by the Village of Hastings-on-Hudson, this letter serves as notice that the removal of designated trees (those with a diameter at breast height of 12 inches or greater) will occur as part of the on-going remedial construction activities at the former Tappan Terminal Site (Tax Map No. 4.100-93.17). The site is located at the southernmost end of Railroad Avenue and is immediately west of the MTA Metro-North railroad. Trees will be removed by Bartlett Tree Experts of Elmsford, New York, sometime in late June/early July as environmental remediation progresses at the site.

A figure illustrating the locations, sizes, and species of the trees designated for removal is attached to this letter.

Should you have any questions regarding the anticipated tree removal, please don't hesitate to call me at 315.671.9545.

Sincerely,

ARCADIS of New York, Inc.

Michael Higgins, Jr.

Michael Higgins, Jr., P.E.
Project Environmental Engineer

Attachment:
Figure 1: Tree Removal Plan

Date:
May 29, 2013

Contact:
Michael Higgins, Jr., P.E.

Phone:
315 671 9545

Email:
michael.higgins@arcadis-us.com

EXAMPLE

DER: COMPLETE THIS SECTION

Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
Print your name and address on the reverse so that we can return the card to you.
Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:

Ms. Anne Proctor
Woodard & Curran, Inc.
41 Hutchins Drive
Portland, ME 04102

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

B. Received by (Printed Name) HGuglielmo | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

MAY 31 2013

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. Article Number (Transfer from service label) 7010 1670 0002 1054 4673

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

7010 1670 0002 1054 4673

U.S. Postal Service™
CERTIFIED MAIL™ RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

For delivery information visit our website at www.usps.com®

OFFICIAL USE

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Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage &	

Postmark Here

Sent To
Street, Apt. No.; or PO Box No.
City, State, ZIP+4

Ms. Anne Proctor
Woodard & Curran, Inc.
41 Hutchins Drive
Portland, ME 04102

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1. Article Addressed to:

Mr. Lawrence Young
118 Palisade Street
Dobbs Ferry, NY 10522

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A. Signature
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B. Received by (Printed Name) C. Date of Delivery 6/3/13

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1. Article Addressed to:

ARCO Environmental Remediation, LLC
c/o ARCO Land Department
P.O. Box 3092
Houston, TX 77253

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☐ Agent ☐ Addressee

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ARCO Environmental Remediation, LLC
c/o ARCO Land Department
P.O. Box 3092
Houston, TX 77253

PS Form 3800, August 2006

TREE REMOVAL PLAN

FORMER TAPPAN TERMINAL SITE – EASTERN PARCEL
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
HASTINGS-ON-HUDSON, NY



Tree #1 (12-inch; species unknown) – NYSDEC gave us the option to keep this tree.

TREE REMOVAL PLAN

FORMER TAPPAN TERMINAL SITE – EASTERN PARCEL
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
HASTINGS-ON-HUDSON, NY



<u>Tree #2 (21-inch Paulownia)</u> – Requires limbing using a pole-saw/chainsaw. The stump needs to be removed as close to the ground/fence as safely as can be done. Chip as large pieces as possible to minimize cutting.

TREE REMOVAL PLAN

FORMER TAPPAN TERMINAL SITE – EASTERN PARCEL
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
HASTINGS-ON-HUDSON, NY



<u>Tree #3 (14-inch diameter limb)</u> – Remove dead limb with one cut from chainsaw and chip. Hold with the excavator.

TREE REMOVAL PLAN

FORMER TAPPAN TERMINAL SITE – EASTERN PARCEL
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
HASTINGS-ON-HUDSON, NY



Tree #4 – Dead stump to be removed with the excavator.

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TREE REMOVAL PLAN

FORMER TAPPAN TERMINAL SITE – EASTERN PARCEL
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
HASTINGS-ON-HUDSON, NY



Tree #5 (22-inch Paulownia) – NYSDEC gave us the option to keep this tree.

TREE REMOVAL PLAN

FORMER TAPPAN TERMINAL SITE – EASTERN PARCEL
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
HASTINGS-ON-HUDSON, NY



Tree #6 (42-inch Paulownia) - Requires limbing using a pole-saw/chainsaw from bucket truck. The stump needs to be removed as close to the ground/fence as safely as can be done. Chip as large pieces as possible to minimize cutting.

TREE REMOVAL PLAN

FORMER TAPPAN TERMINAL SITE – EASTERN PARCEL
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
HASTINGS-ON-HUDSON, NY



Tree #7 (28-inch Oak) - Requires limbing using a pole-saw/chainsaw from a bucket truck. The stump needs to be removed as close to the ground/fence as safely as can be done. Chip as large pieces as possible to minimize cutting. Large logs that cannot be chipped will be disposed of off-site.

TREE REMOVAL PLAN

FORMER TAPPAN TERMINAL SITE – EASTERN PARCEL
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
HASTINGS-ON-HUDSON, NY



Tree #8 (15-inch Ailanthus) – The fence will be cut and the tree will be removed with the excavator. The tree will then be chipped. The stump will need to be flush cut to the extent practicable.

TREE REMOVAL PLAN

FORMER TAPPAN TERMINAL SITE – EASTERN PARCEL
CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
HASTINGS-ON-HUDSON, NY



Tree #9 (15-inch Ailanthus) - NYSDEC gave us the option to keep this tree.

APPENDIX D

Photo Documentation

PHOTOGRAPH LOG

Chevron Environmental Management Company
AOC 2 Eastern Parcel Soil Remediation
Hastings-on-Hudson, New York

	Photo No. 1 **Date:** 08-07-13 **Description:** Portable generator being lowered into a bermed containment area.
	Photo No. 2 **Date:** 08-07-13 **Description:** Construction equipment being mobilized to AOC 2.

PHOTOGRAPH LOG

Chevron Environmental Management Company
AOC 2 Eastern Parcel Soil Remediation
Hastings-on-Hudson, New York

	Photo No. 3 **Date:** 08-07-13 **Description:** Temporary fencing materials being delivered to AOC 2.
	Photo No. 4 **Date:** 08-07-13 **Description:** Removal of an area of brush during clearing and grubbing activities.

PHOTOGRAPH LOG

Chevron Environmental Management Company
AOC 2 Eastern Parcel Soil Remediation
Hastings-on-Hudson, New York

	Photo No. 5 **Date:** 08-08-13 **Description:** Roll-off containers being delivered to the site.
	Photo No. 6 **Date:** 08-08-13 **Description:** Air monitoring stations set up along the perimeter of AOC 2.

	Photo No. 7 **Date:** 08-08-13 **Description:** Delivered roll-off containers.
	Photo No. 8 **Date:** 08-08-13 **Description:** Grubbed trees and site grading activities.

	Photo No. 9 **Date:** 08-09-13 **Description:** Clearing and grubbing activities.
	Photo No. 10 **Date:** 08-09-13 **Description:** Miscellaneous debris at AOC 2, which was subsequently removed.

	Photo No. 11 **Date:** 08-12-13 **Description:** A former (abandoned) sprinkler main.
	Photo No. 12 **Date:** 08-12-13 **Description:** Poly-lined containment area at the northeast end of AOC 2.

	Photo No. 13 **Date:** 08-12-13 **Description:** Inside of a manhole at AOC 2 being inspected during the utility investigation performed prior to abandoning the structures.
	Photo No. 14 **Date:** 08-12-13 **Description:** Inside of another manhole at AOC 2 being inspected during the utility investigation.

	Photo No. 15 **Date:** 08-12-13 **Description:** Inside of a third manhole located at AOC 2 during the utility investigation.
	Photo No. 16 **Date:** 08-13-13 **Description:** Tilcon Facility and the fill material stockpile that was sampled prior to import.

	Photo No. 17 **Date:** 08-13-13 **Description:** Tilcon Facility and the fill material stockpile that was sampled prior to import.
	Photo No. 18 **Date:** 08-14-13 **Description:** Hose inserted into one of the onsite manholes to remove the standing water from the manhole prior to abandonment.

	Photo No. 19 **Date:** 08-14-13 **Description:** Poly tank into which the water from the manhole is being pumped for offsite disposal.
	Photo No. 20 **Date:** 08-14-13 **Description:** Grubbed brush and tree limbs being chipped and transferred into a dump truck for transport to a stockpile.

	Photo No. 21 **Date:** 08-15-13 **Description:** Cleared area along the eastern side of AOC 2.
	Photo No. 22 **Date:** 08-15-13 **Description:** Stockpile of chipped, grubbed brush and tree limbs. Chips were subsequently spread thinly beneath the fill material.

	Photo No. 23 **Date:** 08-15-13 **Description:** Cleared area along the eastern side of the AOC 2.
	Photo No. 24 **Date:** 08-15-13 **Description:** One of the trees to be removed along the eastern side of AOC 2.

	Photo No. 25 **Date:** 08-15-13 **Description:** Concrete breaker attachment on mini-excavator, which was be used to install perforations in the asphalt roads and concrete pads.
	Photo No. 26 **Date:** 08-15-13 **Description:** Cleared area of the AOC 2.

	Photo No. 27 **Date:** 08-16-13 **Description:** Standing water and debris located in the fire suppression vault on AOC 2. The vault was backfilled.
	Photo No. 28 **Date:** 08-16-13 **Description:** Small area of excavation located on the gravel access road to AOC 2 where the stabilized construction entrance was installed.

	Photo No. 29 **Date:** 08-16-13 **Description:** Excavator removing surface gravel and soil for installation of the stabilized construction entrance.
	Photo No. 30 **Date:** 08-16-13 **Description:** Geotextile and stone placed over the removed area of gravel and soil for construction of the stabilized construction entrance.

	Photo No. 31 **Date:** 08-19-13 **Description:** Silt fence installed along the south side of AOC 2 for sediment and erosion control.
	Photo No. 32 **Date:** 08-19-13 **Description:** One of the perforations made in a concrete pad at AOC 2 to allow water to drain through the concrete following placement of the soil cap.

	Photo No. 33 **Date:** 08-19-13 **Description:** Breaker attachment being used to install a perforation in a concrete slab.
	Photo No. 34 **Date:** 08-19-13 **Description:** Onsite manhole, which has been filled with ¾-inch stone as part of abandonment.

	Photo No. 35 **Date:** 08-19-13 **Description:** Concrete truck positioned to place concrete on top of the stone material within the manhole to complete abandonment.
	Photo No. 36 **Date:** 08-19-13 **Description:** Concrete installed over the ¾-inch stone fill in the abandoned manhole.

	Photo No. 37 **Date:** 08-20-13 **Description:** Tree removal activities along the eastern side of AOC 2.
	Photo No. 38 **Date:** 08-20-13 **Description:** Limbs being cut from a tree prior to removal.

	Photo No. 39 **Date:** 08-20-13 **Description:** View of tree limbs being removed prior to removal of the entire tree.
	Photo No. 40 **Date:** 08-20-13 **Description:** View of tree limb removal activities.

	Photo No. 41 **Date:** 08-21-13 **Description:** A view of broken up concrete at AOC 2, which was utilized to fil la void found beneath the concrete slab.
	Photo No. 42 **Date:** 08-21-13 **Description:** Broken up concrete at AOC 2.

	Photo No. 43 **Date:** 08-23-13 **Description:** Excavator removing surface soil for installation of the temporary gravel access road to the soil unloading area at AOC 1.
	Photo No. 44 **Date:** 08-23-13 **Description:** Geotextile being installed over the stripped area for installation of the temporary gravel access road.

	Photo No. 45 **Date:** 08-23-13 **Description:** Stone material being placed over the geotextile for installation of the temporary gravel access road.
	Photo No. 46 **Date:** 08-23-13 **Description:** Standing water in a vault located onsite being removed with a vacuum tank truck hose prior to filling with stone material.

	Photo No. 47 **Date:** 08-26-13 **Description:** Pinelawn Cemetery where topsoil material was sampled to determine if the material met soil cleanup objectives for AOC 2.
	Photo No. 48 **Date:** 08-26-13 **Description:** Topsoil stockpile at the Pinelawn Cemetery to be sampled to determine if the material met soil cleanup objectives for AOC 2.



Photo No. 49

Date: 08-26-13

Description: Soil stockpile at the Pinelawn Cemetery to be sampled to determine if the material met soil cleanup objectives for AOC 2.



Photo No. 50

Date: 08-27-13

Description: Monitoring well that has been staked and flagged so that the well is not damaged during construction activities.

	Photo No. 51 **Date:** 08-27-13 **Description:** Silt fencing installed downgradient of the soil unloading area at AOC 1.
	Photo No. 52 **Date:** 08-27-13 **Description:** Soil unloading area being constructed at AOC 1.

	Photo No. 53 **Date:** 09-04-13 **Description:** Chipped and grubbed brush and trees being spread in a thin layer over AOC 2, on top of which the soil cap will be installed.
	Photo No. 54 **Date:** 09-05-13 **Description:** Excavator being used to remove large pieces of broken concrete prior to installation of the orange demarcation layer.

	Photo No. 55 **Date:** 09-05-13 **Description:** Orange geotextile being installed over AOC 2 to demarcate the soil cover from the pre-remediated soil in pervious areas.
	Photo No. 56 **Date:** 09-05-13 **Description:** Material handling barge in the Hudson River to be used to unload imported soil material from the soil barge.

	Photo No. 57 **Date:** 09-05-13 **Description:** Conveyor belt that was used to offload imported material from the soil barge onto the soil unloading area.
	Photo No. 58 **Date:** 09-06-13 **Description:** Excavator on the material unloading barge that was used to transfer imported soil material from the soil barge onto the conveyor belt.

	Photo No. 59 **Date:** 09-06-13 **Description:** Excavator being used to transfer soil material from the soil barge onto the conveyor belt.
	Photo No. 60 **Date:** 09-06-13 **Description:** Conveyor belt transferring soil material from the soil barge to the soil unloading area at AOC 1.

	Photo No. 61 **Date:** 09-06-13 **Description:** Conveyor belt being used to transfer materials from the soil barge to the soil unloading area at AOC 1.
	Photo No. 62 **Date:** 09-09-13 **Description:** Orange geotextile layer being installed to demarcate the soil cover from the pre-remediated soil at AOC 2.

	Photo No. 63 **Date:** 09-09-13 **Description:** Soil barge docked adjacent to the material unloading barge at the shoreline of AOC 1.
	Photo No. 64 **Date:** 09-09-13 **Description:** Imported soil fill material being spread over AOC 2 for installation of the soil cover.

	Photo No. 65 **Date:** 09-10-13 **Description:** Imported soil fill being spread over the installed orange geotextile and chipped brush and tree material at AOC 2.
	Photo No. 66 **Date:** 09-10-13 **Description:** Conveyor belt transferring imported soil material from the soil barge to the soil unloading area.

	Photo No. 67 **Date:** 09-10-13 **Description:** Imported soil fill being transferred into a dump truck to transport the material to AOC 2 from the soil unloading area via the temporary gravel access road.
	Photo No. 68 **Date:** 09-11-13 **Description:** Imported soil fill being spread over the orange geotextile demarcation layer at AOC 2.

	Photo No. 69 **Date:** 09-11-13 **Description:** Crane on the material handling barge transferring soil material to the conveyor belt from the soil barge.
	Photo No. 70 **Date:** 09-12-13 **Description:** Crane transferring soil material to the conveyor belt and a dump truck using the temporary gravel access road.

	Photo No. 71 **Date:** 09-12-13 **Description:** Imported soil material spread around the protected monitoring wells at AOC 2.
	Photo No. 72 **Date:** 09-13-13 **Description:** Abandoned monitoring well, which has been filled with concrete and formally abandoned prior to installation of the soil cover.



Photo No. 73

Date: 09-13-13

Description: Piece of concrete and metal piping being removed prior to installation of the soil cover and demarcation layer. Following removal, the area was covered with a layer of concrete.



Photo No. 74

Date: 09-16-13

Description: Crane transferring soil material to the conveyor belt.

	Photo No. 75 **Date:** 09-16-13 **Description:** Imported soil material being spread over AOC 2.
	Photo No. 76 **Date:** 09-17-13 **Description:** Orange geotextile demarcation being installed over AOC 2.

	Photo No. 77 **Date:** 09-17-13 **Description:** Soil fill being placed over the orange geotextile demarcation at AOC 2.
	Photo No. 78 **Date:** 09-17-13 **Description:** Holes being drilled along the eastern side of AOC 2 for installation of the chain-link fence posts.

	Photo No. 79 **Date:** 09-18-13 **Description:** Fence posts being installed along the eastern side of AOC 2.
	Photo No. 80 **Date:** 09-19-13 **Description:** Soil fill material at the Tilcon Facility being transferred onto the soil barge to be delivered to AOC 2.

	Photo No. 81 **Date:** 09-20-13 **Description:** Conveyor belt being used to transfer material to the soil unloading area at AOC 1.
	Photo No. 82 **Date:** 09-20-13 **Description:** Soil barge located immediately adjacent to the material unloading barge at the shoreline of AOC 1.

	Photo No. 83 **Date:** 09-20-13 **Description:** Imported soil fill material placed on AOC 2.
	Photo No. 84 **Date:** 09-20-13 **Description:** Water truck spraying water on the installed soil fill material to control dust generation at AOC 2.

	Photo No. 85 **Date:** 09-23-13 **Description:** Chain-link fencing along the eastern side of AOC 2 being installed.
	Photo No. 86 **Date:** 09-23-13 **Description:** Dump truck offloading soil fill material to AOC 2 for construction of the soil cover.

	Photo No. 87 **Date:** 09-24-13 **Description:** Soil fill material around a vault being compacted.
	Photo No. 88 **Date:** 09-24-13 **Description:** Newly installed chain-link fencing along the eastern side of AOC 2.

	Photo No. 89 **Date:** 09-25-13 **Description:** Initial layer of soil fill, which has been placed over the entirety of AOC 2.
	Photo No. 90 **Date:** 09-26-13 **Description:** Empty soil barge being taken back to the Tilcon Facility for another delivery of soil fill.

	Photo No. 91 **Date:** 09-27-13 **Description:** Soil fill material being placed at AOC 2.
	Photo No. 92 **Date:** 10-01-13 **Description:** New topsoil source to be sampled to determine if the material meets the soil cleanup objectives.

	Photo No. 93 **Date:** 10-02-13 **Description:** Orange geotextile demarcation layer installed on the northern side of AOC 2.
	Photo No. 94 **Date:** 10-02-13 **Description:** Soil fill material being offloaded at AOC 2 to be spread over the demarcation layer.

	Photo No. 95 **Date:** 10-02-13 **Description:** Grade verification being performed on the installed soil fill at AOC 2.
	Photo No. 96 **Date:** 10-03-13 **Description:** Several stockpiles of soil fill at AOC 2 that will be spread for another layer of the soil cover.

	Photo No. 97 **Date:** 10-04-13 **Description:** Fence being re-installed along the western side of AOC 2.
	Photo No. 98 **Date:** 10-07-13 **Description:** Imported topsoil being placed over the soil fill material at AOC 2.

	Photo No. 99 **Date:** 10-08-13 **Description:** Topsoil material being transferred to the soil unloading area via conveyor belt.
	Photo No. 100 **Date:** 10-08-13 **Description:** Topsoil material in place over the soil fill at AOC 2.

	Photo No. 101 **Date:** 10-09-13 **Description:** Topsoil being placed around the monitoring wells at AOC 2.
	Photo No. 102 **Date:** 10-09-13 **Description:** Topsoil being spread at AOC 2.

	Photo No. 103 **Date:** 10-10-13 **Description:** Soil fill material being placed at the northern end of AOC 2.
	Photo No. 104 **Date:** 10-10-13 **Description:** Orange construction fence and topsoil material installed in the ecological buffer zone at the south end of AOC 2.

	Photo No. 105 **Date:** 10-15-13 **Description:** Grade verification being performed on the soil fill placed at AOC 2.
	Photo No. 106 **Date:** 10-16-13 **Description:** Topsoil being spread over the soil fill at AOC 2.

	Photo No. 107 **Date:** 10-17-13 **Description:** Topsoil that has been placed at AOC 2.
	Photo No. 108 **Date:** 10-17-13 **Description:** Dump truck of topsoil being unloaded at AOC 2.

	Photo No. 109 **Date:** 10-18-13 **Description:** Dump truck of topsoil being unloaded at AOC 2.
	Photo No. 110 **Date:** 10-21-13 **Description:** Soluble fertilizer and seed mix delivered to AOC 2.

	Photo No. 111 **Date:** 10-21-13 **Description:** Hydroseed mix being applied to the topsoil at AOC 2.
	Photo No. 112 **Date:** 10-21-13 **Description:** Straw mulch being blown onto hydroseeded area of AOC 2.

	Photo No. 113 **Date:** 10-21-13 **Description:** Straw mulch blown onto hydroseeded areas of AOC 2.
	Photo No. 114 **Date:** 10-21-13 **Description:** Geotextile fabric being installed along the alignment of the permanent gravel access road.

	Photo No. 115 **Date:** 10-21-13 **Description:** Hydroseed mix being fed into the hydroseeder.
	Photo No. 116 **Date:** 10-22-13 **Description:** Topsoiled area on the north end of AOC 2.

	Photo No. 117 **Date:** 10-22-13 **Description:** Permanent access road traversing AOC 2 and the partially hydroseeded and mulched areas of AOC 2.
	Photo No. 118 **Date:** 10-23-13 **Description:** Fill material being placed over the stabilized construction entrance.



Photo No. 119

Date: 10-23-13

Description: Topsoil being placed over the soil unloading area at AOC 2.



Photo No. 120

Date: 10-24-13

Description: South end of AOC 2 being hydroseeded and mulched.

	Photo No. 121 **Date:** 10-24-13 **Description:** North end of AOC 2 being hydroseeded and mulched.
	Photo No. 122 **Date:** 10-24-13 **Description:** Erosion control blanket being installed at the south end of AOC 2.

	Photo No. 123 **Date:** 10-25-13 **Description:** Hydroseeded and mulched eastern and southern ends of AOC 2.
	Photo No. 124 **Date:** 10-25-13 **Description:** Hydroseeded and mulched area where the temporary gravel access road and soil unloading area were previously located.

PHOTOGRAPH LOG

Chevron Environmental Management Company
AOC 2 Eastern Parcel Soil Remediation
Hastings-on-Hudson, New York

	Photo No. 125 **Date:** 05-20-14 **Description:** Site vegetation establishment in the Spring of 2014.
	Photo No. 126 **Date:** 05-22-14 **Description:** Site areas that receieved less than the required 2 feet of fill.

	Photo No. 127 **Date:** 05-23-14 **Description:** Planted vegetation along the western portion of the Site.
	Photo No. 128 **Date:** 05-27-14 **Description:** Trucks delivering additional fill to the site to meet 2 foot fill requirements.

	Photo No. 129 **Date:** 05-28-14 **Description:** Grading operations on the western portion of AOC 2.
	Photo No. 130 **Date:** 05-28-14 **Description:** Hydroseed being applied to the site to promote additional vegetation.

	Photo No. 131 **Date:** 05-29-14 **Description:** Regraded southeastern portion of AOC 2.
	Photo No. 132 **Date:** 05-29-14 **Description:** Hydroseeded and mulched regraded portions of AOC 2.

	Photo No. 133 **Date:** 05-30-14 **Description:** Vegetation planted along the southern border of AOC 2.
	Photo No. 134 **Date:** 06-03-14 **Description:** Hydroseeded and mulched AOC 2 following regrading operations.

	Photo No. 135 **Date:** 06-26-14 **Description:** Planting growth at the soil unloading area after several weeks.
	Photo No. 136 **Date:** 06-26-14 **Description:** AOC 2 from the south facing northwest showing vegetation establishment.

	Photo No. 137 **Date:** 06-26-14 **Description:** Vegetation establishment in the southern portion of AOC 2.
	Photo No. 138 **Date:** 06-26-14 **Description:** AOC 2 following regrading operations and vegetation establishment. Silt fence has been replaced with biodegradable compost filter socks

APPENDIX E

Soil Excavation Summary Report, AOC 2, Easter Parcel Soil Remediation

ARCADIS Design & Consultancy for natural and built assets

Chevron Environmental Management Company

SOIL EXCAVATION SUMMARY REPORT, AOC 2, EASTERN PARCEL SOIL REMEDIATION

Former Tappan Terminal Site

Hastings-on-Hudson, New York

February 2019

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APPENDICES

Appendix A Effluent Water Discharge Permit

Appendix B Waste Disposal Documentation

Appendix C CAMP Data and Riverview Park Baseline VOC Laboratory Analytical Reports

ACRONYMS AND ABBREVIATIONS

AOC	Area of Concern
Arcadis	Arcadis U.S., Inc.
bgs	below ground surface
CAMP	Community Air Monitoring Plan
CEMC	Chevron Environmental Management Company
DER	Division of Environmental Remediation
mg/kg	milligram per kilogram
NYSDEC	New York State Department of Environmental Conservation
PCBs	polychlorinated biphenyls
PDI	Pre-Design Investigation
ppm	parts per million
RA	remedial action
RCRA	Resource Conservation and Recovery Act
ROD	Record of Decision
Site	Former Tappan Terminal Site (3-60-015) located in the village of Hastings-on-Hudson, Westchester County, New York
SVOC	semivolatile organic compound
TCL	Target Compound List
TCLP	Toxicity Characteristic Leaching Procedure
TIC	tentatively identified compound
Uhlich Property	Uhlich Color Company Property
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound
Work Plan	*Remedial Design/Remedial Action Work Plan, AOC 2, Eastern Parcel Soil Remediation*, May 2010, and *Soil Hotspot Removal Work Plan, AOC 2 Eastern Parcel Soil Remediation*, September 2010

1 INTRODUCTION

A Record of Decision (ROD) was issued by the New York State Department of Environmental Conservation (NYSDEC) Division of Environmental Remediation (DER) on September 8, 2006, for the remediation of the Former Tappan Terminal Site located at 1 Railroad Avenue in Hastings-on-Hudson, New York (NYSDEC 2006). On March 14, 2010, Order on Consent No. A3-0612-1208 was finalized, which divided the Former Tappan Terminal Site (Site) into three areas of concern (AOC) including the western former Mobil Terminal property soil (AOC 1), the eastern former Uhlich Color Company property soil (Uhlich property; AOC 2), and the groundwater at both properties (AOC 3).

This *Soil Excavation Summary Report, AOC 2, Eastern Parcel Soil Remediation* has been prepared by Arcadis U.S., Inc. (Arcadis), on behalf of Chevron Environmental Management Company (CEMC), to document the remedial activities at AOC 2. The purpose of the hotspot soil excavation remedial action (RA) was to excavate grossly contaminated soil above the groundwater table, particularly soil that contains visible dye or petroleum contamination and soil containing greater than 500 parts per million (ppm) of semivolatile organic compounds (SVOCs).

Based on a review of historical soil analytical data, two areas were identified for hotspot soil RAs: SS-16 surface soil sample area (SS-16 area) and SS-17 surface soil sample area (SS-17 area). Total SVOCs include tentatively identified compounds (TICs) detected in soil samples collected from both of these locations were at concentrations greater than 500 ppm.

Hotspot soil excavation activities were completed between November 16, 2010 and February 6, 2011, with additional waste removals completed on April 22 and July 15, 2011. The hotspot excavation was completed in general accordance with the *Remedial Design/Remedial Action Work Plan, AOC 2, Eastern Parcel Soil Remediation*, May 2010 (Arcadis 2010a), and a companion document, *Soil Hotspot Removal Work Plan, AOC 2 Eastern Parcel Soil Remediation*, September 2010 (Arcadis 2010b) (hereafter collectively referred to as “Work Plan”). Several tasks were undertaken to accomplish the components of the hotspot excavation as described below:

- Pre-excavation soil investigations
- Hotspot excavation planning
- Excavation and staging of soils
- Waste characterization and management

2 PRE-DESIGN SOIL INVESTIGATIONS

2.1 Constituents of Concern: Semivolatile Organic Compounds

The constituents of concern in soil hotspot areas requiring excavation were SVOCs, including aniline, chlorinated aniline, toluidines, and anthraquinones. A number of SVOCs were detected during the previous investigations were tentatively identified compounds (TICs) and were not definitively quantified through standard laboratory analytical methods. Consistent with the NYSDEC's expectation was that TICs be considered when defining the extent of the soil that exceeds the 500 ppm remedial objective established under the ROD (NYSDEC 2006), a review of the historical TIC data was completed and the following TICs were selected for analysis during the Pre-Design Investigation (PDI): 9,10-anthracenedione; 1,4-dihydroxy-9,10-anthracenedione; 1-hydroxy-9,10-anthracenedione; 0-chloroaniline; (z)-9-octadecenamide; 2-methyl-benzenamine; and p-aminotoluene. These TICs were selected for the following reasons:

- Anthraquinones, toluidines[1], (z)-9-octadecenamide, and o-chloroaniline are associated with the manufacturing of dyes and were anticipated to be found on the Uhlich Property based on historical site use.
- These compounds were tentatively identified with some of the highest estimated concentrations in the historical samples collected (SS-16 and SS-17) with the highest estimated total concentrations of TICs.
- None of the compounds identified as TICs had promulgated cleanup criteria under New York Code of Rules and Regulations Subpart 375-6.

The analytical methods used during the PDI were able to quantify these compounds such that the total SVOCs were inclusive of these selected TICs were considered when establishing the extent of soil areas to be excavated, consistent with the 500 ppm cleanup goal in the ROD.

2.2 Pre-Excavation Soil Investigations

To further characterize the extent of soil warranting removal from the previously identified areas of concern, in February and April 2008, a series of test pits and soil borings were advanced as part of the PDI in the areas of SS-16 and SS-17.

2.2.1 SS-16 Area

In 1998, SVOCs, including TICs, were present at a concentration of 1,326 ppm at the former surface soil sample location SS-16. The concentration of dye-manufacturing-related TICs in soil sample SS-16 were 199 ppm. In 2008, as part of the PDI, a confirmation sample (UC-SS-16R) was collected adjacent to the former SS-16 location and analyzed for SVOCs using United States Environmental Protection Agency (USEPA) Method 8270. SVOCs were detected at a concentration of 36 ppm in the sample collected from

[1] 9,10-Anthracenedione; 1,4-dihydroxy-9,10-anthracenedione; 1-hydroxy-9,10-anthracenedione; anthraquinone; 2-methyl-benzenamino; and p-aminotoluene are toluidines.

UC-SS-16R. A total of nine soil samples were collected from Test Pits 1 and 2 and analyzed for SVOCs and related TICs; concentrations ranged from 2.4 ppm (UC-TP1 SF 6-6.5) to 190 ppm (UC-TP2 WW 2-3), as shown on Figure 2.

During the excavation of Test Pit 2, a 1-inch-thick layer of red-pigment-like material was observed at approximately 1.5 feet below ground surface (bgs). One sample of the pigment-like material was collected (UC-TP-2 EW 1-1.8) and submitted for analysis of SVOCs, with resultant concentrations of 100 ppm. The layer of pigment-like material was found in an area measuring approximately 12 feet wide by 22 feet long. The pigment-like material was observed in a relatively thin layer and in a limited area, was not mobile, and had concentrations of total SVOCs less than 500 ppm.

No widespread, mobile, grossly impacted material was observed during the excavation of Test Pits 1 and 2 completed to further investigate the former SS-16 sample location, and all of the additional soil samples collected in this area were below the remedial objective of total SVOCs less than 500 ppm.

2.2.2 SS-17 Area

In 1998, SVOCs, including TICs, were present at a concentration of 8,711 ppm at former surface soil sample location SS-17. The concentration of dye-manufacturing-related TICs in soil sample SS-17 was 1,561 ppm. In 2008, as part of the PDI, a confirmation soil sample (UC-SS-17R) was collected adjacent to the former SS-17 location and SVOCs were detected at a concentration of 1,200 ppm.

A total of nine soil samples were collected from Test Pits 3 and 4, located on the Uhlich Property, and submitted for analysis of SVOCs. Of the nine soil samples, seven samples had total concentrations of SVOCs greater than 500 ppm. The concentrations ranged from 36 ppm (UC-TP4 EW 4-5) to 6,400 ppm (UC-TP-3 WW 4-4.5).

In April 2008, a series of soil borings were advanced to the north, south and west of SS-17 to define the extent of soil containing SVOCs at concentrations above the remedial objective of 500 ppm. Additional test pit excavation was not possible in this area due to the presence of several underground utilities. Eight additional soil borings were advanced at the approximate locations indicated on Figure 3. One soil boring was drilled at the approximate location of SS-17, and five additional soil borings were drilled in the vicinity of Test Pits 3 and 4. Soil samples were collected from 2 to 4 and 6 to 8 feet bgs and analyzed for SVOCs. Figure 3 summarizes the soil sample analytical data.

The results of the supplemental soil boring program, in conjunction with the initial PDI results, provided the basis to define the extent of the soil “hotspots” to be excavated. Although some soil staining was observed to exist beyond the limits of the proposed excavation areas, the staining of this soil did not appear to be mobile and did not contain concentrations of the SVOC compounds, used as indicators of excessive dye and pigment impacts, above the established 500 ppm criteria.

3 HOTSPOT EXCAVATION PLANNING

3.1 Coordination with Village of Hastings-on-Hudson

A pre-determined trucking route through the village was established based on discussions with the village of Hastings-on-Hudson as well as times when truck traffic would not be allowed (such as student arrival and dismissal times on school days).

3.2 Selection of Backfill Materials

Prior to site mobilization, appropriate fill materials were selected as backfill and for construction of soil staging cells. Arcadis collected a representative soil sample of the fill from the Tilcon of West Nyack, New York facility and submitted it to TestAmerica (Buffalo, New York Laboratory) for laboratory analyses (Appendix A) of volatile organic compounds (VOCs), Target Compound List (TCL) VOCs, TCL SVOCs, Target Analyte List inorganics, pesticides, herbicides, and polychlorinated biphenyls (PCBs). A summary of the analytical results compared to restricted use and for protection of ecological resources as per 6 New York Codes, Rules and Regulations Part 375 are summarized in Table 1. Copper was detected in the soil sample at a concentration of 260 milligrams per kilograms (mg/kg), which is above the restricted use ecological resources criteria of 50 mg/kg but below the restricted use residential soil clean-up criteria of 270 mg/kg.

4 EXCAVATION, MANAGEMENT, AND DISPOSAL OF HOTSPOT SOILS

4.1 Excavation and Staging of Hotspot Soils

Excavation, management, and disposal of hotspot soils were conducted by Arcadis and Remedial Construction Services, L.P. (RECON) in accordance with the Soil Removal Work Plan. Between November 15, 2010 and February 4, 2011, soil hotspot areas at surface soil sample locations SS-16 and SS-17 were excavated and backfilled.

- The SS-16 excavation was approximately 13 feet long by 13 feet wide by 4 feet deep, and a total of approximately 30 tons of soil were excavated. The extent of the SS-16 excavation was defined by previous soil sample results (Figure 2), and no confirmation soil samples were collected as per agreement with NYSDEC.
- The SS-17 excavation was approximately 3,800 square feet and extended to a depth of approximately seven feet, except for the eastern section of excavation as shown on Figure 4. Due to subsurface structures, the eastern section of the excavation was limited to a depth of approximately four feet. A total of approximately 1,070 tons of soil were excavated.

Excavation confirmatory sampling was conducted in accordance with the Work Plan and *DER-10/Technical Guidance for Site Investigation and Remediation 5.4(b)* (NYSDEC 2010). Bottom samples were obtained at a frequency of one sample for every 900 square feet of bottom area and sidewall samples were obtained at a frequency of one sample for every 30 linear feet.

The soil confirmation sample results met the requirements of the ROD-specific criterion for total SVOCs of 500 ppm plus relevant TICs except for along the western extent of the excavation. The westward expansion of SS-17 excavation was terminated on ExxonMobil property at the underground sanitary sewer line. In lieu of extending the excavation further onto ExxonMobil property, a test pit was excavated to the west of the sewer line and soil samples were collected from the test pit. SVOCs were not detected in the test pit sidewall sample but were detected at a concentration of 56 mg/kg from the sample collected from the test pit floor sample (Figure 4).

As stipulated in the ROD, excavation depth did not extend deeper than the water table. Groundwater that entered the excavation at a depth between 6 and 7 feet bgs was pumped into on-site frac tanks for treatment and discharge (see Section 4.4).

Bottom samples were collected at a depth of approximately 7 feet bgs. Sidewall samples were collected at a depth of approximately 6 feet bgs, with the exception of samples from the eastern extension of the excavation, which were collected at approximately 4 feet bgs.

5 WASTE MANAGEMENT

5.1 Waste Characterization Sampling and Analyses

Waste characterization soil samples were collected for approximately each 100 cubic yard lift of excavated soil and submitted to TestAmerica for waste characterization analyses by the Toxicity Characteristic Leaching Procedure (TCLP) VOC, TCLP metals, TCLP pesticides, ignitability, reactivity, and corrosivity (Table 3). In addition, three samples were collected for analyses of TCL VOCs, TCL SVOCs, PCBs, and pesticides. Several of the waste characterization samples displayed lead at concentrations greater than 5 ppm, which rendered the associated soil as Resource Conservation and Recovery Act (RCRA) hazardous for the characteristic of lead.

5.2 Ex-Situ Treatment of Soils

Lead was detected in two TCLP waste characterization samples at concentrations above the RCRA toxicity criteria and, therefore, was amended on site. Approximately 154 cubic yards of soil were amended in steel mixing boxes with EnviroBlend® and re-analyzed to confirm that the soil was no longer hazardous for the characteristic of lead and that the soils could be disposed as RCRA non-hazardous.

5.3 Groundwater Management

Groundwater entering the SS-17 excavation was pumped into on-site frac tanks and treated through a mobile treatment unit provided by Ground/Water Treatment Technology, Inc. of Denville, New Jersey. Approximately 29,473 gallons of treated water (treated through clay media and activated carbon) were discharged to the Hudson River in accordance with Petroleum Spill Stipulation Agreement Guidance Temporary Effluent Limitations and Monitoring Requirements (Appendix A) as provided by NYSDEC. Laboratory analytical results of the effluent water collected in accordance with the established discharge requirements are summarized in Table 4.

5.4 Waste Disposal

Soil generated during the excavation was either direct-loaded onto trucks for transportation and disposal or temporarily stored on site in 20-yard steel, covered roll-off boxes for later disposal. Waste manifests and weight summaries are provided in Appendix B. Soil was transported via licensed waste haulers to three CEMC-approved disposal facilities as follows:

- Forty-two truckloads (946 tons) were transported to the Republic Landfill in Conestoga, Pennsylvania, over the period of January 4 through February 3, 2011.
- Five 20-yard roll-off boxes (72 tons) were transported to the Waste Management Model City, New York facility on April 22, 2011.
- Seven 20-yard roll-off boxes (82 tons) were transported to the Violia Environmental Services facility for incineration in Sauget, Illinois, on July 15, 2011.

6 COMMUNITY AIR MONITORING

Community air monitoring was conducted in general accordance with the *Community Air Monitoring Plan, Soil Hotspot Removal, AOC 2, Eastern Parcel Soil Remediation*, November 2010 (CAMP) (Arcadis 2010c). VOC and dust monitoring was conducted during ground-intrusive activities at upwind and downwind stations on site. Additionally, and at the request of Village of Hastings-on-Hudson officials, CAMP monitoring was also conducted in Riverview Park. Baseline VOC data were also collected in Riverview Park on November 10, 2010. Analytical data are available in Appendix C.

7 REFERENCES

Arcadis U.S., Inc. (Arcadis). 2010a. Remedial Design/Remedial Action Work Plan, AOC 2, Eastern Parcel Soil Remediation. May 2010.

Arcadis U.S., Inc. 2010b. Soil Hotspot Removal Work Plan, AOC 2, Eastern Parcel Soil Remediation. September 2010.

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New York State Department of Environmental Conservation. 2006. Record of Decision Tappan Terminal Site Village of Hastings-on- Hudson, Westchester County, New York, 3-60-015. September 2006.

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TABLES

Table 1
Summary of Back Fill Soil Sample Analytical Results

Soil Hotspot Removal, AOC 2
Former Uhlich Property
Hastings-on-Hudson, New York

Location ID: / Date Collected:	Units	Unrestricted Use SCRs	Restricted Use SCRs Residential	Restricted Use SCRs Protection Ecological	Restricted Use SCRs Protection of Groundwater	Backfill 11/09/10
Volatile Organics						
1,1,1-Trichloroethane	mg/kg	0.68	100	- -	0.68	0.0058 U
1,1,2,2-Tetrachloroethane	mg/kg	- -	- -	- -	- -	0.0058 U
1,1,2-trichloro-1,2,2-trifluoroethane	mg/kg	- -	- -	- -	- -	0.0058 U
1,1,2-Trichloroethane	mg/kg	- -	- -	- -	- -	0.0058 U
1,1-Dichloroethane	mg/kg	0.27	19	- -	0.27	0.0058 U
1,1-Dichloroethene	mg/kg	0.33	100	- -	0.33	0.0058 U
1,2,4-Trichlorobenzene	mg/kg	- -	- -	- -	- -	0.0058 U
1,2-Dibromo-3-chloropropane	mg/kg	- -	- -	- -	- -	0.0058 U
1,2-Dibromoethane	mg/kg	- -	- -	- -	- -	0.0058 U
1,2-Dichlorobenzene	mg/kg	1.1	100	- -	1.1	0.0058 U
1,2-Dichloroethane	mg/kg	0.02	2.3	10	0.02	0.0058 U
1,2-Dichloropropane	mg/kg	- -	- -	- -	- -	0.0058 U
1,3-Dichlorobenzene	mg/kg	2.4	17	- -	2.4	0.0058 U
1,4-Dichlorobenzene	mg/kg	1.8	9.8	20	1.8	0.0058 U
1,4-Difluorobenzene	mg/kg	- -	- -	- -	- -	0.050
2-Butanone	mg/kg	0.12	100	100	0.12	0.029 U
2-Hexanone	mg/kg	- -	- -	- -	- -	0.029 U
4-Methyl-2-pentanone	mg/kg	- -	- -	- -	- -	0.029 U
Acetone	mg/kg	0.05	100	2.2	0.05	0.029 U
Benzene	mg/kg	0.06	2.9	70	0.06	0.0058 U
Bromodichloromethane	mg/kg	- -	- -	- -	- -	0.0058 U
Bromoform	mg/kg	- -	- -	- -	- -	0.0058 U
Bromomethane	mg/kg	- -	- -	- -	- -	0.0058 U
Carbon Disulfide	mg/kg	- -	- -	- -	- -	0.0058 U
Carbon Tetrachloride	mg/kg	0.76	1.4	- -	0.76	0.0058 U
Chlorobenzene	mg/kg	1.1	100	40	1.1	0.0058 U
Chloroethane	mg/kg	- -	- -	- -	- -	0.0058 U
Chloroform	mg/kg	0.37	10	12	0.37	0.0058 U
Chloromethane	mg/kg	- -	- -	- -	- -	0.0058 U
cis-1,2-Dichloroethene	mg/kg	0.25	59	- -	0.25	0.0058 U
cis-1,3-Dichloropropene	mg/kg	- -	- -	- -	- -	0.0058 U
Cyclohexane	mg/kg	- -	- -	- -	- -	0.0058 U
Dibromochloromethane	mg/kg	- -	- -	- -	- -	0.0058 U
Dichlorodifluoromethane	mg/kg	- -	- -	- -	- -	0.0058 U
Ethylbenzene	mg/kg	1	30	- -	1	0.0058 U
Isopropylbenzene	mg/kg	- -	- -	- -	- -	0.0058 U
Methyl acetate	mg/kg	- -	- -	- -	- -	0.0058 U
Methyl tert-butyl ether	mg/kg	0.93	62	- -	0.93	0.0058 U
Methylcyclohexane	mg/kg	- -	- -	- -	- -	0.0058 U
Methylene Chloride	mg/kg	0.05	51	12	0.05	0.0047 JB
Styrene	mg/kg	- -	- -	- -	- -	0.0058 U
Tetrachloroethene	mg/kg	1.3	5.5	2	1.3	0.0058 U
Toluene	mg/kg	0.7	100	36	0.7	0.0058 U
trans-1,2-Dichloroethene	mg/kg	0.19	100	- -	0.19	0.0058 U
trans-1,3-Dichloropropene	mg/kg	- -	- -	- -	- -	0.0058 U
Trichloroethene	mg/kg	0.47	10	2	0.47	0.0058 U
Trichlorofluoromethane	mg/kg	- -	- -	- -	- -	0.0058 U
Vinyl Chloride	mg/kg	0.02	0.21	- -	0.02	0.0058 U
Xylenes (total)	mg/kg	0.26	100	0.26	1.6	0.012 U
Total VOCs	mg/kg	- -	- -	- -	- -	0.0047 J
(z)-9-octadecenamide	mg/kg	- -	- -	- -	- -	3.80 U
1,4-Dihydroxy-9,10-anthracendione	mg/kg	- -	- -	- -	- -	0.760 U
1-Hydroxy-9,10-anthracenedione	mg/kg	- -	- -	- -	- -	0.760 U
2,2-Oxybis (1-Chloropropane)	mg/kg	- -	- -	- -	- -	0.200 U
2,4,5-Trichlorophenol	mg/kg	- -	- -	- -	- -	0.200 U
2,4,6-Trichlorophenol	mg/kg	- -	- -	- -	- -	0.200 U
2,4-Dichlorophenol	mg/kg	- -	- -	- -	- -	0.200 U
2,4-Dimethylphenol	mg/kg	- -	- -	- -	- -	0.200 U
2,4-Dinitrophenol	mg/kg	- -	- -	- -	- -	0.380 U
2,4-Dinitrotoluene	mg/kg	- -	- -	- -	- -	0.200 U
2,6-Dinitrotoluene	mg/kg	- -	- -	- -	- -	0.200 U
2-Chloroaniline	mg/kg	- -	- -	- -	- -	0.380 U
2-Chloronaphthalene	mg/kg	- -	- -	- -	- -	0.200 U

See Notes on Page 4.

Table 1
Summary of Back Fill Soil Sample Analytical Results

Soil Hotspot Removal, AOC 2
Former Uhlich Property
Hastings-on-Hudson, New York

Location ID: / Date Collected:	Units	Unrestricted Use SCRs	Restricted Use SCRs Residential	Restricted Use SCRs Protection Ecological	Restricted Use SCRs Protection of Groundwater	Backfill 11/09/10
Volatile Organics (cont.)						
2-Chlorophenol	mg/kg	- -	- -	- -	- -	0.200 U
2-Methylnaphthalene	mg/kg	- -	- -	- -	- -	0.200 U
2-Methylphenol	mg/kg	0.33	100	- -	0.33	0.200 U
2-Nitroaniline	mg/kg	- -	- -	- -	- -	0.380 U
2-Nitrophenol	mg/kg	- -	- -	- -	- -	0.200 U
3,3'-Dichlorobenzidine	mg/kg	- -	- -	- -	- -	0.200 U
3-Nitroaniline	mg/kg	- -	- -	- -	- -	0.380 U
4,6-Dinitro-2-methylphenol	mg/kg	- -	- -	- -	- -	0.380 U
4-Bromophenyl-phenylether	mg/kg	- -	- -	- -	- -	0.200 U
4-Chloro-3-Methylphenol	mg/kg	- -	- -	- -	- -	0.200 U
4-Chloroaniline	mg/kg	- -	- -	- -	- -	0.200 U
4-Chlorophenyl-phenylether	mg/kg	- -	- -	- -	- -	0.200 U
4-Methylphenol	mg/kg	0.33	34	- -	0.33	0.380 U
4-Nitroaniline	mg/kg	- -	- -	- -	- -	0.380 U
4-Nitrophenol	mg/kg	- -	- -	- -	- -	0.380 U
9,10-Anthracenedione	mg/kg	- -	- -	- -	- -	0.380 U
Semivolatile Organics						
Acenaphthene	mg/kg	20	100	20	98	0.200 U
Acenaphthylene	mg/kg	100	100	- -	107	0.200 U
Acetophenone	mg/kg	- -	- -	- -	- -	0.200 U
Anthracene	mg/kg	100	100	- -	1,000	0.200 U
Atrazine	mg/kg	- -	- -	- -	- -	0.200 U
Benzaldehyde	mg/kg	- -	- -	- -	- -	0.200 U
Benzo(a)anthracene	mg/kg	1	1	- -	1	0.200 U
Benzo(a)pyrene	mg/kg	0	1	2.6	22	0.200 U
Benzo(b)fluoranthene	mg/kg	1	1	- -	1.7	0.200 U
Benzo(g,h,i)perylene	mg/kg	100	100	- -	1,000	0.200 U
Benzo(k)fluoranthene	mg/kg	0.8	1	- -	1.7	0.200 U
Biphenyl	mg/kg	- -	- -	- -	- -	0.200 U
bis(2-Chloroethoxy)methane	mg/kg	- -	- -	- -	- -	0.200 U
bis(2-Chloroethyl)ether	mg/kg	- -	- -	- -	- -	0.200 U
bis(2-Ethylhexyl)phthalate	mg/kg	- -	- -	- -	- -	0.200 U
Butylbenzylphthalate	mg/kg	- -	- -	- -	- -	0.200 U
Caprolactam	mg/kg	- -	- -	- -	- -	0.200 U
Carbazole	mg/kg	- -	- -	- -	- -	0.200 U
Chrysene	mg/kg	1	1	- -	1	0.200 U
Dibenzo(a,h)anthracene	mg/kg	0.33	0.33	- -	1,000	0.200 U
Dibenzofuran	mg/kg	7	14	- -	210	0.200 U
Diethylphthalate	mg/kg	- -	- -	- -	- -	0.200 U
Dimethylphthalate	mg/kg	- -	- -	- -	- -	0.200 U
Di-n-Butylphthalate	mg/kg	- -	- -	- -	- -	0.200 U
Di-n-Octylphthalate	mg/kg	- -	- -	- -	- -	0.200 U
Fluoranthene	mg/kg	100	100	- -	1,000	0.200 U
Fluorene	mg/kg	30	100	30	386	0.200 U
Hexachlorobenzene	mg/kg	0.33	0.33	- -	3.2	0.200 U
Hexachlorobutadiene	mg/kg	- -	- -	- -	- -	0.200 U
Hexachlorocyclopentadiene	mg/kg	- -	- -	- -	- -	0.200 U
Hexachloroethane	mg/kg	- -	- -	- -	- -	0.200 U
Indeno(1,2,3-cd)pyrene	mg/kg	0.5	0.5	- -	8.2	0.200 U
Isophorone	mg/kg	- -	- -	- -	- -	0.200 U
Naphthalene	mg/kg	12	100	- -	12	0.200 U
Nitrobenzene	mg/kg	- -	- -	- -	- -	0.200 U
N-Nitroso-di-n-propylamine	mg/kg	- -	- -	- -	- -	0.200 U
N-Nitrosodiphenylamine	mg/kg	- -	- -	- -	- -	0.200 U
o-Toluidine	mg/kg	- -	- -	- -	- -	0.380 U
Pentachlorophenol	mg/kg	0.8	2.4	0.8	0.8	0.380 U
Phenanthrene	mg/kg	100	100	- -	1,000	0.200 U
Phenol	mg/kg	0.33	100	30	0.33	0.200 U
p-Toluidine	mg/kg	- -	- -	- -	- -	0.380 U
Pyrene	mg/kg	100	100	- -	1,000	0.200 U
Total SVOCs	mg/kg	- -	- -	- -	- -	ND
Total SVOCs and SVOC TICs	mg/kg	- -	- -	- -	- -	ND

See Notes on Page 4.

Table 1
Summary of Back Fill Soil Sample Analytical Results

Soil Hotspot Removal, AOC 2
Former Uhlich Property
Hastings-on-Hudson, New York

Location ID: / Date Collected:	Units	Unrestricted Use SCRs	Restricted Use SCRs Residential	Restricted Use SCRs Protection Ecological	Restricted Use SCRs Protection of Groundwater	Backfill 11/09/10
Inorganics						
Aluminum	mg/kg	- -	- -	- -	- -	11,900
Antimony	mg/kg	- -	- -	- -	- -	17.4 U
Arsenic	mg/kg	13	16	13	16	2.60
Barium	mg/kg	350	350	433	820	139
Beryllium	mg/kg	7.2	14	10	47	0.627
Cadmium	mg/kg	2.5	2.5	4	7.5	0.512
Calcium	mg/kg	- -	- -	- -	- -	19,000 B
Chromium	mg/kg	- -	- -	- -	- -	0.617
Cobalt	mg/kg	- -	- -	- -	- -	26.9
Copper	mg/kg	50	270	50	1,720	**260**
Iron	mg/kg	- -	- -	- -	- -	42,700
Lead	mg/kg	63	400	63	450	14.8
Magnesium	mg/kg	- -	- -	- -	- -	16,600
Manganese	mg/kg	1,600	2,000	1,600	2,000	563 B
Mercury	mg/kg	0.18	0.81	0.18	0.73	0.0224 U
Nickel	mg/kg	30	140	30	130	14.1
Potassium	mg/kg	- -	- -	- -	- -	1,090
Selenium	mg/kg	3.9	36	3.9	4	1.20 J
Silver	mg/kg	2	36	2	8.3	0.580 U
Sodium	mg/kg	- -	- -	- -	- -	1,550
Thallium	mg/kg	- -	- -	- -	- -	7.00 U
Vanadium	mg/kg	- -	- -	- -	- -	97.0
Zinc	mg/kg	109	2,200	109	2,480	96.4 B
PCBs						
Aroclor-1016	mg/kg	- -	- -	- -	- -	0.019 U
Aroclor-1221	mg/kg	- -	- -	- -	- -	0.019 U
Aroclor-1232	mg/kg	- -	- -	- -	- -	0.019 U
Aroclor-1242	mg/kg	- -	- -	- -	- -	0.019 U
Aroclor-1248	mg/kg	- -	- -	- -	- -	0.019 U
Aroclor-1254	mg/kg	- -	- -	- -	- -	0.019 U
Aroclor-1260	mg/kg	- -	- -	- -	- -	0.019 U
Aroclor-1262	mg/kg	- -	- -	- -	- -	0.019 U
Aroclor-1268	mg/kg	- -	- -	- -	- -	0.019 U
Total PCBs	mg/kg	1	1	1	3.2	ND
Organochlorine Pesticides						
4,4'-DDD	mg/kg	0.0033	2.6	0.0033	14	0.0019 U
4,4'-DDE	mg/kg	0.0033	1.8	0.0033	17	0.0019 U
4,4'-DDT	mg/kg	0.0033	1.7	0.0033	136	0.0019 U
Aldrin	mg/kg	0.005	0.019	0.14	0.19	0.0019 U
Alpha-BHC	mg/kg	0.02	0.097	0.04	0.02	0.0019 U
Alpha-Chlordane	mg/kg	0.094	0.91	1.3	2.9	0.0019 U
Beta-BHC	mg/kg	0.036	0.072	0.6	0.09	0.0019 U
Delta-BHC	mg/kg	0.04	100	0.04	0.25	0.0019 U
Dieldrin	mg/kg	0.005	0.039	0.006	0.1	0.0019 U
Endosulfan I	mg/kg	2.4	4.8	- -	102	0.0019 U
Endosulfan II	mg/kg	2.4	4.8	- -	102	0.0019 U
Endosulfan Sulfate	mg/kg	2.4	4.8	- -	1,000	0.0019 U
Endrin	mg/kg	0.014	2.2	0.014	0.06	0.0019 U
Endrin Aldehyde	mg/kg	- -	- -	- -	- -	0.0019 U
Endrin Ketone	mg/kg	- -	- -	- -	- -	0.0019 U
Gamma-BHC (Lindane)	mg/kg	0.1	0.28	6	0.1	0.0019 U
Gamma-Chlordane	mg/kg	- -	- -	- -	- -	0.0019 U
Heptachlor	mg/kg	0.042	0.42	0.14	0.38	0.0019 U
Heptachlor Epoxide	mg/kg	- -	- -	- -	- -	0.0019 U
Hexachlorobenzene	mg/kg	0.33	0.33	- -	3.2	0.0018 U
Methoxychlor	mg/kg	- -	- -	- -	- -	0.0019 U
Technical Chlordane	mg/kg	- -	- -	- -	- -	0.019 U
Toxaphene	mg/kg	- -	- -	- -	- -	0.019 U
Herbicides						
2,4,5-T	mg/kg	- -	- -	- -	- -	0.019 U
2,4,5-TP	mg/kg	3.8	58	- -	3.8	0.019 U
2,4-D	mg/kg	- -	- -	- -	- -	0.019 U

See Notes on Page 4.

Table 1
Summary of Back Fill Soil Sample Analytical Results

Soil Hotspot Removal, AOC 2
Former Uhlich Property
Hastings-on-Hudson, New York

Location ID: Date Collected:	Units	Unrestricted Use SCRs	Restricted Use SCRs Residential	Restricted Use SCRs Protection Ecological	Restricted Use SCRs Protection of Groundwater	Backfill 11/09/10
Percent Solids						
Percent Solids	%	- -	- -	- -	- -	86

Notes:

1. Laboratory analyses conducted by TestAmerica Laboratories, Buffalo, New York.
2. Concentrations reported in milligrams per kilogram (mg/kg) or parts per million (ppm).
3. Shaded values indicate that the constituent was detected at a concentration greater the soil clean up objectives.
4. Bold font results values indicate that the constituent was detected at a concentration above the method detection limit.
5. B = Compound was detected in the blank and sample.
6. D = Diluted sample result within calibration range.
7. J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
8. J B = Result is less than the RL but greater than or equal to the MDL, the concentration is an approximate value, and the compound has been detected in the sample as well as its associated blank, its presence in the sample may be suspect.
9. ND = Not Detected.
10. U = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

Table 2
Summary of SS-17 Post-Excavation Soil Sample Analytical Results

Soil Hotspot Removal, AOC 2
Former Uhlich Property
Hastings-on-Hudson, New York

Location ID: Depth (feet) Date Collected:	Units	B-01 7 12/02/10	B-02 4 (approx) 12/03/10	B-03 4 (approx) 12/03/10	B-04 7 (approx) 12/15/10	B-05 7 (approx) 12/15/10	B-06 7 (approx) 12/15/10	B-07 7 (approx) 01/05/11	B-08 7 (approx) 01/05/11	SW-01 6 12/02/10	SW-02 6 12/02/10	SW-03 6 12/02/10	SW-04 6 12/02/10	SW-04R 6 12/15/10
Semivolatile Organics														
(z)-9-octadecenamide	mg/kg	3.8 U	48 U	3.9 U	34 U	4.2 U [21 U]	26 U	31 U	36 U	42 U	88 U	4.1 U	3,100 U	12,000 U
1,4-Dihydroxy-9,10-anthracendione	mg/kg	**0.73 J**	**29**	0.78 U	**13**	**5.8 D [31]**	53 U	**12**	**38**	**4.4 J**	**260**	0.81 U	**2,300**	**2,600**
1-Hydroxy-9,10-anthracenedione	mg/kg	**0.42 J**	9.5 U	0.78 U	**9.6**	**0.41 J [2.3 J]**	53 U	**19**	**21**	**3.5 J**	**74 J**	0.81 U	**410 J**	**1,600 J**
2,2-Oxybis (1-Chloropropane)	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
2,4,5-Trichlorophenol	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
2,4,6-Trichlorophenol	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
2,4-Dichlorophenol	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
2,4-Dimethylphenol	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
2,4-Dinitrophenol	mg/kg	0.38 U	4.8 U	0.39 U	3.4 U	0.42 U [2.1 U]	26 U	3.1 U	3.6 U	4.2 U	88 U	0.41 U	310 U	1,200 U
2,4-Dinitrotoluene	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
2,6-Dinitrotoluene	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
2-Chloroaniline	mg/kg	0.38 U	4.8 U	0.39 U	3.4 U	0.42 U [2.1 U]	26 U	3.1 U	3.6 U	4.2 U	88 U	0.41 U	310 U	1,200 U
2-Chloronaphthalene	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
2-Chlorophenol	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
2-Methylnaphthalene	mg/kg	**0.043 J**	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	**17**	**1.1 J**	2.2 U	45 U	0.21 U	160 U	600 U
2-Methylphenol	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
2-Nitroaniline	mg/kg	0.38 U	4.8 U	0.39 U	3.4 U	0.42 U [2.1 U]	26 U	3.1 U	3.6 U	4.2 U	88 U	0.41 U	310 U	1,200 U
2-Nitrophenol	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
3,3'-Dichlorobenzidine	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
3-Nitroaniline	mg/kg	0.38 U	4.8 U	0.39 U	3.4 U	0.42 U [2.1 U]	26 U	3.1 U	3.6 U	4.2 U	88 U	0.41 U	310 U	1,200 U
4,6-Dinitro-2-methylphenol	mg/kg	0.38 U	4.8 U	0.39 U	3.4 U	0.42 U [2.1 U]	26 U	3.1 U	3.6 U	4.2 U	88 U	0.41 U	310 U	1,200 U
4-Bromophenyl-phenylether	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
4-Chloro-3-Methylphenol	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
4-Chloroaniline	mg/kg	**0.069 J**	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
4-Chlorophenyl-phenylether	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
4-Methylphenol	mg/kg	0.38 U	4.8 U	0.39 U	3.4 U	0.42 U [2.1 U]	26 U	**0.63 J**	3.6 U	4.2 U	88 U	0.41 U	310 U	1,200 U
4-Nitroaniline	mg/kg	0.38 U	4.8 U	0.39 U	3.4 U	0.42 U [2.1 U]	26 U	3.1 U	3.6 U	4.2 U	88 U	0.41 U	310 U	1,200 U
4-Nitrophenol	mg/kg	0.38 U	4.8 U	0.39 U	3.4 U	0.42 U [2.1 U]	26 U	3.1 U	3.6 U	4.2 U	88 U	0.41 U	310 U	1,200 U
9,10-Anthracenedione	mg/kg	**0.20 J**	4.8 U	0.39 U	3.4 U	0.42 U [2.1 U]	26 U	3.1 U	3.6 U	4.2 U	88 U	0.41 U	310 U	1,200 U
Acenaphthene	mg/kg	**0.095 J**	2.5 U	**0.021 J**	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	**4.7 J**	0.21 U	160 U	600 U
Acenaphthylene	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
Acetophenone	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
Anthracene	mg/kg	**0.15 J**	2.5 U	0.20 U	**0.39 J**	**0.086 J [1.1 U]**	14 U	**0.29 J**	**0.49 J**	2.2 U	45 U	0.21 U	160 U	600 U
Atrazine	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
Benzaldehyde	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
Benzo(a)anthracene	mg/kg	**0.31**	**0.28 J**	0.20 U	**0.24 J**	**0.19 J [1.1 U]**	14 U	**0.40 J**	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
Benzo(a)pyrene	mg/kg	**0.27**	**0.30 J**	0.20 U	1.8 U	**0.17 J [1.1 U]**	14 U	**0.31 J**	**0.084 J**	2.2 U	45 U	0.21 U	160 U	600 U
Benzo(b)fluoranthene	mg/kg	**0.27**	**0.36 J**	0.20 U	**0.20 J**	**0.16 J [1.1 U]**	14 U	**0.36 J**	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
Benzo(g,h,i)perylene	mg/kg	**0.16 J**	2.5 U	0.20 U	1.8 U	**0.10 J [1.1 U]**	14 U	**0.28 J**	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
Benzo(k)fluoranthene	mg/kg	**0.084 J**	2.5 U	0.20 U	1.8 U	**0.072 J [1.1 U]**	14 U	**0.24 J**	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
Biphenyl	mg/kg	**0.018 J**	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	**0.77 J**	**0.26 J**	2.2 U	45 U	0.21 U	160 U	600 U
bis(2-Chloroethoxy)methane	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U

See Notes on Page 5.

Table 2
Summary of SS-17 Post-Excavation Soil Sample Analytical Results

Soil Hotspot Removal, AOC 2
Former Uhlich Property
Hastings-on-Hudson, New York

Location ID: Depth (feet) Date Collected:	Units	B-01 7 12/02/10	B-02 4 (approx) 12/03/10	B-03 4 (approx) 12/03/10	B-04 7 (approx) 12/15/10	B-05 7 (approx) 12/15/10	B-06 7 (approx) 12/15/10	B-07 7 (approx) 01/05/11	B-08 7 (approx) 01/05/11	SW-01 6 12/02/10	SW-02 6 12/02/10	SW-03 6 12/02/10	SW-04 6 12/02/10	SW-04R 6 12/15/10
Semivolatile Organics (Cont.)														
bis(2-Chloroethyl)ether	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
bis(2-Ethylhexyl)phthalate	mg/kg	**0.15 JB**	2.5 U	**0.15 JB**	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	**110 JB**	600 U
Butylbenzylphthalate	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
Caprolactam	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
Carbazole	mg/kg	**0.030 J**	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
Chrysene	mg/kg	**0.30**	**0.36 J**	0.20 U	**0.31 J**	**0.19 J [1.1 U]**	14 U	**0.43 J**	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
Dibenzo(a,h)anthracene	mg/kg	**0.033 J**	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
Dibenzofuran	mg/kg	**0.054 J**	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	**0.23 J**	2.2 U	45 U	0.21 U	160 U	600 U
Diethylphthalate	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
Dimethylphthalate	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
Di-n-Butylphthalate	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
Di-n-Octylphthalate	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
Fluoranthene	mg/kg	**0.61**	**0.63 J**	**0.021 J**	**0.52 J**	**0.40 [1.1 U]**	14 U	**0.88 J**	**0.13 J**	**0.18 J**	45 U	0.21 U	160 U	600 U
Fluorene	mg/kg	**0.080 J**	2.5 U	0.20 U	1.8 U	**0.029 J [1.1 U]**	14 U	**0.45 J**	**0.38 J**	2.2 U	**3.8 J**	0.21 U	160 U	600 U
Hexachlorobenzene	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
Hexachlorobutadiene	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
Hexachlorocyclopentadiene	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
Hexachloroethane	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
Indeno(1,2,3-cd)pyrene	mg/kg	**0.13 J**	2.5 U	0.20 U	1.8 U	**0.079 J [1.1 U]**	14 U	**0.21 J**	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
Isophorone	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
Naphthalene	mg/kg	**0.22**	2.5 U	**0.036 J**	1.8 U	0.21 U [1.1 U]	14 U	**3.6**	**0.35 J**	2.2 U	45 U	0.21 U	**26 J**	600 U
Nitrobenzene	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
N-Nitroso-di-n-propylamine	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
N-Nitrosodiphenylamine	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	**2.2**	**0.75 J**	2.2 U	45 U	0.21 U	160 U	600 U
o-Toluidine	mg/kg	**1.2**	**1.3 J**	0.39 U	3.4 U	0.42 U [2.1 U]	26 U	3.1 U	**2.1 J**	**1.0 J**	**40 J**	0.41 U	**140 J**	1,200 U
Pentachlorophenol	mg/kg	0.38 U	4.8 U	0.39 U	3.4 U	0.42 U [2.1 U]	26 U	3.1 U	3.6 U	4.2 U	88 U	0.41 U	310 U	1,200 U
Phenanthrene	mg/kg	**0.44**	2.5 U	0.20 U	**0.52 J**	**0.39 [1.1 U]**	14 U	**2.7**	1.8 U	2.2 U	**7.8 J**	0.21 U	**22 J**	600 U
Phenol	mg/kg	0.20 U	2.5 U	0.20 U	1.8 U	0.21 U [1.1 U]	14 U	1.6 U	1.8 U	2.2 U	45 U	0.21 U	160 U	600 U
p-Toluidine	mg/kg	0.38 U	4.8 U	0.39 U	**2.6 J**	0.42 U [2.1 U]	26 U	**3.3**	3.6 U	4.2 U	88 U	0.41 U	310 U	**600 J**
Pyrene	mg/kg	**0.66**	**0.76 J**	**0.020 J**	**0.46 J**	**0.39 [1.1 U]**	14 U	**0.82 J**	**0.38 J**	**0.22 J**	**5.5 J**	0.21 U	160 U	600 U
Total SVOCs	mg/kg	**6.53 J**	**33.0 J**	**0.248 J**	**27.8 J**	**8.47 J [33.3 J]**	ND	**65.9 J**	**65.3 J**	**9.30 J**	**396 J**	ND	**3,010 J**	**4,800 J**

See Notes on Page 5.

Table 2
Summary of SS-17 Post-Excavation Soil Sample Analytical Results

Soil Hotspot Removal, AOC 2
Former Uhlich Property
Hastings-on-Hudson, New York

Location ID: Depth (feet) Date Collected:	Units	SW-05 4 (approx) 12/03/10	SW-06 4 (approx) 12/03/10	SW-07 4 (approx) 12/03/10	SW-08 6 (approx) 12/15/10	SW-09 6 (approx) 12/15/10	SW-10 6 (approx) 12/15/10	SW-11 6 (approx) 12/15/10	SW-12 6 (approx) 12/15/10	SW-13 6 (approx) 01/05/11	SW-14 6 (approx) 01/05/11	SW-15 6 (approx) 01/05/11	TEST PIT BOTTOM 5 (approx) 01/19/11	TEST PIT SIDEWALL 5 (approx) 01/19/11
Semivolatile Organics														
(z)-9-octadecenamide	mg/kg	43 U	19 U	6.2 U	1,300 U	4,700 U	22 U	46 U	3,600 U	4,700 U	5,300 U	3.7 U [18 U]	86 U0	12,000 U
1,4-Dihydroxy-9,10-anthracendione	mg/kg	**5.7 J**	3.8 U	1.2 U	**430**	**1,700**	**5.4**	**15**	**280 J**	**1,500**	**1,600**	0.74 U [3.7 U]	**56 J**	2,300 U
1-Hydroxy-9,10-anthracenedione	mg/kg	**3.5 J**	3.8 U	1.2 U	**590**	940 U	4.5 U	9.2 U	730 U	940 U	1,100 U	0.74 U [3.7 U]	170 U	2,300 U
2,2-Oxybis (1-Chloropropane)	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
2,4,5-Trichlorophenol	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
2,4,6-Trichlorophenol	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
2,4-Dichlorophenol	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
2,4-Dimethylphenol	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
2,4-Dinitrophenol	mg/kg	4.3 U	1.9 U	0.62 U	130 U	470 U	2.2 U	4.6 U	360 U	470 U	530 U	0.37 U [1.8 U]	86 U	1,200 U
2,4-Dinitrotoluene	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
2,6-Dinitrotoluene	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
2-Chloroaniline	mg/kg	4.3 U	1.9 U	0.62 U	130 U	470 U	2.2 U	4.6 U	360 U	470 U	530 U	0.37 U [1.8 U]	86 U	1,200 U
2-Chloronaphthalene	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
2-Chlorophenol	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
2-Methylnaphthalene	mg/kg	**0.26 J**	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	**0.015 J [0.95 U]**	44 U	600 U
2-Methylphenol	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
2-Nitroaniline	mg/kg	4.3 U	1.9 U	0.62 U	130 U	470 U	2.2 U	4.6 U	360 U	470 U	530 U	0.37 U [1.8 U]	86 U	1,200 U
2-Nitrophenol	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
3,3'-Dichlorobenzidine	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
3-Nitroaniline	mg/kg	4.3 U	1.9 U	0.62 U	130 U	470 U	2.2 U	4.6 U	360 U	470 U	530 U	0.37 U [1.8 U]	86 U	1,200 U
4,6-Dinitro-2-methylphenol	mg/kg	4.3 U	1.9 U	0.62 U	130 U	470 U	2.2 U	4.6 U	360 U	470 U	530 U	0.37 U [1.8 U]	86 U	1,200 U
4-Bromophenyl-phenylether	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
4-Chloro-3-Methylphenol	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
4-Chloroaniline	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
4-Chlorophenyl-phenylether	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
4-Methylphenol	mg/kg	4.3 U	1.9 U	0.62 U	130 U	470 U	2.2 U	4.6 U	360 U	470 U	530 U	0.37 U [1.8 U]	86 U	1,200 U
4-Nitroaniline	mg/kg	4.3 U	1.9 U	0.62 U	130 U	470 U	2.2 U	4.6 U	360 U	470 U	530 U	0.37 U [1.8 U]	86 U	1,200 U
4-Nitrophenol	mg/kg	4.3 U	1.9 U	0.62 U	130 U	470 U	2.2 U	4.6 U	360 U	470 U	530 U	0.37 U [1.8 U]	86 U	1,200 U
9,10-Anthracenedione	mg/kg	**2.0 J**	**0.87 J**	0.62 U	130 U	470 U	2.2 U	4.6 U	360 U	470 U	530 U	0.37 U [1.8 U]	86 U	1,200 U
Acenaphthene	mg/kg	**0.64 J**	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
Acenaphthylene	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
Acetophenone	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
Anthracene	mg/kg	**1.2 J**	**0.095 J**	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
Atrazine	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
Benzaldehyde	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
Benzo(a)anthracene	mg/kg	**2.7**	**0.80 J**	0.32 U	66 U	240 U	1.2 U	**0.48 J**	190 U	**27 J**	270 U	**0.021 J [0.95 U]**	44 U	600 U
Benzo(a)pyrene	mg/kg	**2.2**	**0.78 J**	0.32 U	66 U	240 U	1.2 U	**0.50 J**	190 U	**36 J**	270 U	**0.034 J [0.95 U]**	44 U	600 U
Benzo(b)fluoranthene	mg/kg	**2.6**	**0.74 J**	0.32 U	66 U	240 U	1.2 U	**0.67 J**	190 U	**36 J**	270 U	**0.036 J [0.95 U]**	44 U	600 U
Benzo(g,h,i)perylene	mg/kg	**1.6 J**	**0.55 J**	0.32 U	66 U	240 U	1.2 U	**0.37 J**	190 U	**44 J**	270 U	**0.034 J [0.95 U]**	44 U	600 U
Benzo(k)fluoranthene	mg/kg	**0.97 J**	**0.23 J**	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	**29 J**	270 U	0.19 U [0.95 U]	44 U	600 U
Biphenyl	mg/kg	**0.18 J**	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
bis(2-Chloroethoxy)methane	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U

See Notes on Page 5.

Table 2
Summary of SS-17 Post-Excavation Soil Sample Analytical Results

Soil Hotspot Removal, AOC 2
Former Uhlich Property
Hastings-on-Hudson, New York

Location ID: Depth (feet) Date Collected:	Units	SW-05 4 (approx) 12/03/10	SW-06 4 (approx) 12/03/10	SW-07 4 (approx) 12/03/10	SW-08 6 (approx) 12/15/10	SW-09 6 (approx) 12/15/10	SW-10 6 (approx) 12/15/10	SW-11 6 (approx) 12/15/10	SW-12 6 (approx) 12/15/10	SW-13 6 (approx) 01/05/11	SW-14 6 (approx) 01/05/11	SW-15 6 (approx) 01/05/11	TEST PIT BOTTOM 5 (approx) 01/19/11	TEST PIT SIDEWALL 5 (approx) 01/19/11
Semivolatile Organics (Cont.)														
bis(2-Chloroethyl)ether	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
bis(2-Ethylhexyl)phthalate	mg/kg	**1.9 JB**	**0.70 JB**	**0.25 JB**	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
Butylbenzylphthalate	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
Caprolactam	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
Carbazole	mg/kg	**0.35 J**	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
Chrysene	mg/kg	**2.8**	**0.79 J**	0.32 U	66 U	240 U	**0.086 J**	**0.77 J**	190 U	**20 J**	270 U	**0.025 J [0.95 U]**	44 U	600 U
Dibenzo(a,h)anthracene	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
Dibenzofuran	mg/kg	**1.2 J**	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
Diethylphthalate	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
Dimethylphthalate	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
Di-n-Butylphthalate	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
Di-n-Octylphthalate	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
Fluoranthene	mg/kg	**6.2**	**0.89 J**	0.32 U	66 U	240 U	**0.10 J**	**1.0 J**	190 U	**20 J**	270 U	**0.022 J [0.95 U]**	44 U	600 U
Fluorene	mg/kg	**0.85 J**	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
Hexachlorobenzene	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
Hexachlorobutadiene	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
Hexachlorocyclopentadiene	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
Hexachloroethane	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
Indeno(1,2,3-cd)pyrene	mg/kg	**1.2 J**	**0.37 J**	0.32 U	66 U	240 U	1.2 U	**0.26 J**	190 U	**38 J**	**22 J**	**0.029 J [0.95 U]**	44 U	600 U
Isophorone	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
Naphthalene	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
Nitrobenzene	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
N-Nitroso-di-n-propylamine	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
N-Nitrosodiphenylamine	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
o-Toluidine	mg/kg	**1.1 J**	1.9 U	0.62 U	130 U	470 U	2.2 U	4.6 U	360 U	470 U	530 U	0.37 U [1.8 U]	86 U	1,200 U
Pentachlorophenol	mg/kg	4.3 U	1.9 U	0.62 U	130 U	470 U	2.2 U	4.6 U	360 U	470 U	530 U	0.37 U [1.8 U]	86 U	1,200 U
Phenanthrene	mg/kg	**3.2**	**0.51 J**	0.32 U	66 U	240 U	1.2 U	**0.77 J**	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
Phenol	mg/kg	2.2 U	0.98 U	0.32 U	66 U	240 U	1.2 U	2.4 U	190 U	240 U	270 U	0.19 U [0.95 U]	44 U	600 U
p-Toluidine	mg/kg	4.3 U	1.9 U	0.62 U	**140**	470 U	2.2 U	4.6 U	360 U	470 U	530 U	0.37 U [1.8 U]	86 U	1,200 U
Pyrene	mg/kg	**5.2**	**1.4**	0.32 U	66 U	240 U	**0.086 J**	**1.0 J**	190 U	**15 J**	270 U	**0.020 J [0.95 U]**	44 U	600 U
Total SVOCs	mg/kg	**45.6 J**	**7.86 J**	**0.250 J**	**1,160**	**1,700**	**5.67 J**	**20.8 J**	**280 J**	**1,770 J**	**1,620 J**	**0.236 J [ND]**	**56.0 J**	ND

See Notes on Page 5.

Table 2
Summary of SS-17 Post-Excavation Soil Sample Analytical Results

Soil Hotspot Removal, AOC 2
Former Uhlich Property
Hastings-on-Hudson, New York

Notes:

1. Laboratory analyses conducted by TestAmerica Laboratories, Buffalo, New York.
2. Concentrations reported in milligrams per kilogram (mg/kg) or parts per million (ppm).
3. B = Compound was detected in the blank and sample.
4. D = Diluted sample result within calibration range.
5. J = Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
6. J B = Result is less than the RL but greater than or equal to the MDL, the concentration is an approximate value, and the compound has been detected in the sample as well as its associated blank, its presence in the sample may be suspect.
7. Shaded values indicate that the constituent was detected at a concentration greater than 500 ppm.
8. SVOC analysis by USEPA Method 8270.
9. Bold font results values indicate that the constituent was detected at a concentration above the method detection limit.
10. Field duplicates are in brackets.
11. ND = Not Detected.

Table 3
Summary of Waste Characterization Analytical Results

Soil Hotspot Removal, AOC 2
Former Uhlich Property
Hastings-on-Hudson, New York

Location ID: / Date Collected:	Toxicity Characteristic Level	Units	WC-1 11/19/10	WC-2 12/02/10	WC-3 12/02/10	WC-4 12/03/10	WC-4-R 12/16/10	WC-5 12/03/10	WC-6 12/15/10	WC-6-R 12/16/10	WC-7 12/15/10	WC-7-R 12/16/10	WC-8 01/05/11	WC-9 01/05/11	WC-9R 01/26/11
Volatile Organics															
1,1,1-Trichloroethane	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
1,1,2,2-Tetrachloroethane	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
1,1,2-trichloro-1,2,2-trifluoroethane	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
1,1,2-Trichloroethane	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
1,1-Dichloroethane	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
1,1-Dichloroethene	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
1,2,4-Trichlorobenzene	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
1,2-Dibromo-3-chloropropane	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
1,2-Dibromoethane	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
1,2-Dichlorobenzene	- -	mg/kg	NA	NA	NA	NA	0.0050 J	NA	NA	0.0054 J	NA	0.0034 J	NA	NA	2.7
1,2-Dichloroethane	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
1,2-Dichloropropane	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
1,3-Dichlorobenzene	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	4.0
1,4-Dichlorobenzene	- -	mg/kg	NA	NA	NA	NA	0.0072	NA	NA	0.011	NA	0.0062 J	NA	NA	3.9
2-Butanone	- -	mg/kg	NA	NA	NA	NA	0.019 J	NA	NA	0.029 J	NA	0.032 J	NA	NA	6.7 U
2-Hexanone	- -	mg/kg	NA	NA	NA	NA	0.031 U	NA	NA	0.031 U	NA	0.034 U	NA	NA	6.7 U
4-Methyl-2-pentanone	- -	mg/kg	NA	NA	NA	NA	0.031 U	NA	NA	0.031 U	NA	0.034 U	NA	NA	6.7 U
Acetone	- -	mg/kg	NA	NA	NA	NA	0.24	NA	NA	0.31	NA	0.33	NA	NA	6.7 U
Benzene	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0019 J	NA	0.0015 J	NA	NA	1.3 U
Bromodichloromethane	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
Bromoform	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
Bromomethane	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
Carbon Disulfide	- -	mg/kg	NA	NA	NA	NA	0.0057 J	NA	NA	0.016	NA	0.012	NA	NA	1.3 U
Carbon Tetrachloride	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
Chlorobenzene	- -	mg/kg	NA	NA	NA	NA	40 D	NA	NA	60 D	NA	100 D	NA	NA	620
Chloroethane	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
Chloroform	- -	mg/kg	NA	NA	NA	NA	0.0018 J	NA	NA	0.0025 J	NA	0.0017 J	NA	NA	1.3 U
Chloromethane	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
cis-1,2-Dichloroethene	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
cis-1,3-Dichloropropene	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
Cyclohexane	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
Dibromochloromethane	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
Dichlorodifluoromethane	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
Ethylbenzene	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0021 J	NA	0.0015 J	NA	NA	1.3 U
Isopropylbenzene	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
Methyl acetate	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
Methyl tert-butyl ether	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
Methylcyclohexane	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
Methylene Chloride	- -	mg/kg	NA	NA	NA	NA	0.018	NA	NA	0.012	NA	0.011	NA	NA	1.3 U
Styrene	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
Tetrachloroethene	- -	mg/kg	NA	NA	NA	NA	0.0038 J	NA	NA	0.0047 J	NA	0.0026 J	NA	NA	1.3 U
Toluene	- -	mg/kg	NA	NA	NA	NA	0.0017 J	NA	NA	0.0033 J	NA	0.0026 J	NA	NA	1.3 U
trans-1,2-Dichloroethene	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
trans-1,3-Dichloropropene	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
Trichloroethene	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
Trichlorofluoromethane	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U

See Notes on Page 5.

Table 3
Summary of Waste Characterization Analytical Results

Soil Hotspot Removal, AOC 2
Former Uhlich Property
Hastings-on-Hudson, New York

Location ID: / Date Collected:	Toxicity Characteristic Level	Units	WC-1 11/19/10	WC-2 12/02/10	WC-3 12/02/10	WC-4 12/03/10	WC-4-R 12/16/10	WC-5 12/03/10	WC-6 12/15/10	WC-6-R 12/16/10	WC-7 12/15/10	WC-7-R 12/16/10	WC-8 01/05/11	WC-9 01/05/11	WC-9R 01/26/11
Volatile Organics (cont.)															
Vinyl Chloride	- -	mg/kg	NA	NA	NA	NA	0.0063 U	NA	NA	0.0062 U	NA	0.0067 U	NA	NA	1.3 U
Xylenes (total)	- -	mg/kg	NA	NA	NA	NA	0.0042 J	NA	NA	0.0099 J	NA	0.0075 J	NA	NA	2.7 U
Total VOCs	- -	mg/kg	NA	NA	NA	NA	40 J	NA	NA	60 J	NA	100 J	NA	NA	630
VOCs-TCLP															
1,1-Dichloroethene	0.7	mg/L	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	NA
1,2-Dichloroethane	0.5	mg/L	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	NA
1,4-Difluorobenzene	- -	mg/L	0.025	NA	NA	NA	NA	NA	0.025	NA	0.025	NA	0.010 U	0.010 U	NA
2-Butanone	200	mg/L	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	0.10 U	NA
Benzene	0.5	mg/L	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	NA
Carbon Tetrachloride	0.5	mg/L	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	NA
Chlorobenzene	100	mg/L	0.010 U	1.7 D	1.5 D	1.1	0.97	0.010 U	0.88	0.71	0.63	0.56	1.5	0.940	NA
Chloroform	6	mg/L	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	NA
Tetrachloroethene	0.7	mg/L	0.38	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	NA
Trichloroethene	0.5	mg/L	0.029	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	NA
Vinyl Chloride	0.2	mg/L	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	0.010 U	NA
Semivolatile Organics															
(z)-9-octadecenamide	- -	mg/kg	NA	NA	NA	NA	1,700 U	NA	NA	800 U	NA	900 U	NA	NA	4,500 U
1,4-Dihydroxy-9,10-anthracendione	- -	mg/kg	NA	NA	NA	NA	360	NA	NA	160 U	NA	180 U	NA	NA	630 J
1-Hydroxy-9,10-anthracenedione	- -	mg/kg	NA	NA	NA	NA	340 U	NA	NA	160 U	NA	180 U	NA	NA	890 U
2,2-Oxybis (1-Chloropropane)	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
2,4,5-Trichlorophenol	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
2,4,6-Trichlorophenol	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
2,4-Dichlorophenol	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
2,4-Dimethylphenol	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
2,4-Dinitrophenol	- -	mg/kg	NA	NA	NA	NA	170 U	NA	NA	80.0 U	NA	90.0 U	NA	NA	450 U
2,4-Dinitrotoluene	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
2,6-Dinitrotoluene	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
2-Chloroaniline	- -	mg/kg	NA	NA	NA	NA	170 U	NA	NA	80.0 U	NA	90.0 U	NA	NA	450 U
2-Chloronaphthalene	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
2-Chlorophenol	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
2-Methylnaphthalene	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
2-Methylphenol	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
2-Nitroaniline	- -	mg/kg	NA	NA	NA	NA	170 U	NA	NA	80.0 U	NA	90.0 U	NA	NA	450 U
2-Nitrophenol	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
3,3'-Dichlorobenzidine	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
3-Nitroaniline	- -	mg/kg	NA	NA	NA	NA	170 U	NA	NA	80.0 U	NA	90.0 U	NA	NA	450 U
4,6-Dinitro-2-methylphenol	- -	mg/kg	NA	NA	NA	NA	170 U	NA	NA	80.0 U	NA	90.0 U	NA	NA	450 U
4-Bromophenyl-phenylether	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
4-Chloro-3-Methylphenol	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
4-Chloroaniline	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
4-Chlorophenyl-phenylether	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
4-Methylphenol	- -	mg/kg	NA	NA	NA	NA	170 U	NA	NA	80.0 U	NA	90.0 U	NA	NA	450 U
4-Nitroaniline	- -	mg/kg	NA	NA	NA	NA	170 U	NA	NA	80.0 U	NA	90.0 U	NA	NA	450 U
4-Nitrophenol	- -	mg/kg	NA	NA	NA	NA	170 U	NA	NA	80.0 U	NA	90.0 U	NA	NA	450 U
9,10-Anthracenedione	- -	mg/kg	NA	NA	NA	NA	170 U	NA	NA	80.0 U	NA	90.0 U	NA	NA	450 U
Acenaphthene	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U

See Notes on Page 5.

Table 3
Summary of Waste Characterization Analytical Results

Soil Hotspot Removal, AOC 2
Former Uhlich Property
Hastings-on-Hudson, New York

Location ID: / Date Collected:	Toxicity Characteristic Level	Units	WC-1 11/19/10	WC-2 12/02/10	WC-3 12/02/10	WC-4 12/03/10	WC-4-R 12/16/10	WC-5 12/03/10	WC-6 12/15/10	WC-6-R 12/16/10	WC-7 12/15/10	WC-7-R 12/16/10	WC-8 01/05/11	WC-9 01/05/11	WC-9R 01/26/11
Semivolatile Organics (cont.)															
Acenaphthylene	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
Acetophenone	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
Anthracene	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
Atrazine	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
Benzaldehyde	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
Benzo(a)anthracene	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	6.50 J	NA	6.40 J	NA	NA	230 U
Benzo(a)pyrene	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	5.90 J	NA	4.80 J	NA	NA	230 U
Benzo(b)fluoranthene	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	6.20 J	NA	7.00 J	NA	NA	230 U
Benzo(g,h,i)perylene	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
Benzo(k)fluoranthene	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	2.50 J	NA	46.0 U	NA	NA	230 U
Biphenyl	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
bis(2-Chloroethoxy)methane	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
bis(2-Chloroethyl)ether	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
bis(2-Ethylhexyl)phthalate	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
Butylbenzylphthalate	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
Caprolactam	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
Carbazole	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
Chrysene	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	6.60 J	NA	5.70 J	NA	NA	230 U
Dibenzo(a,h)anthracene	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
Dibenzofuran	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
Diethylphthalate	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
Dimethylphthalate	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
Di-n-Butylphthalate	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
Di-n-Octylphthalate	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
Fluoranthene	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	13.0 J	NA	12.0 J	NA	NA	230 U
Fluorene	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
Hexachlorobenzene	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
Hexachlorobutadiene	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
Hexachlorocyclopentadiene	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
Hexachloroethane	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
Indeno(1,2,3-cd)pyrene	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
Isophorone	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
Naphthalene	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
Nitrobenzene	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
N-Nitroso-di-n-propylamine	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
N-Nitrosodiphenylamine	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
o-Toluidine	- -	mg/kg	NA	NA	NA	NA	170 U	NA	NA	80.0 U	NA	90.0 U	NA	NA	450 U
Pentachlorophenol	- -	mg/kg	NA	NA	NA	NA	170 U	NA	NA	80.0 U	NA	90.0 U	NA	NA	450 U
Phenanthrene	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	11.0 J	NA	11.0 J	NA	NA	230 U
Phenol	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	41.0 U	NA	46.0 U	NA	NA	230 U
p-Toluidine	- -	mg/kg	NA	NA	NA	NA	170 U	NA	NA	80.0 U	NA	90.0 U	NA	NA	450 U
Pyrene	- -	mg/kg	NA	NA	NA	NA	87.0 U	NA	NA	12.0 J	NA	10.0 J	NA	NA	230 U
Inorganics-TCLP															
Arsenic	5	mg/L	0.0158	0.00730 J	0.00760 J	0.0309	0.00630 J	0.0100 U	0.0126	0.00720 J	0.0143	0.00850 J	0.0250 U	0.0250 U	0.0100 U
Barium	100	mg/L	4.04 B	1.04 B	1.75 B	1.96 B	0.147 B	3.31 B	1.14 B	0.598 B	1.26 B	0.698 B	1.20	1.10	0.130 B*
Cadmium	1	mg/L	0.0665	0.130	0.0443	0.0240 B	0.00100 B	0.0326 B	0.000700 J	0.000400 JB	0.000600 J	0.000600 JB	0.0250 U	0.0340	0.000430 JB

See Notes on Page 5.

Table 3
Summary of Waste Characterization Analytical Results

Soil Hotspot Removal, AOC 2
Former Uhlich Property
Hastings-on-Hudson, New York

Location ID: / Date Collected:	Toxicity Characteristic Level	Units	WC-1 11/19/10	WC-2 12/02/10	WC-3 12/02/10	WC-4 12/03/10	WC-4-R 12/16/10	WC-5 12/03/10	WC-6 12/15/10	WC-6-R 12/16/10	WC-7 12/15/10	WC-7-R 12/16/10	WC-8 01/05/11	WC-9 01/05/11	WC-9R 01/26/11
Inorganics-TCLP (cont.)															
Chromium	5	mg/L	0.0273 B	0.00240 JB	0.00220 JB	0.0530 B	0.00600 B	0.00510 B	0.00610 B	0.107 B	0.00670 B	0.130 B	0.0500 U	0.0500 U	0.00740 B
Lead	5	mg/L	1.13	4.62	1.81	**7.78**	0.157	0.525	0.0334 B	0.0256	0.0242 B	0.145	0.180	**11.3**	0.00500 U
Mercury	0.2	mg/L	0.000900	0.000100 J	0.000200 U	0.00450	0.000100 J	0.000300	0.000200 U	0.000200 U	0.000200 U	0.000100 J	0.000200 U	0.000200 U	0.000200 U
Selenium	1	mg/L	0.0122 J	0.0150 U	0.0150 U	0.0150 U	0.0150 U	0.0150 U	0.0150 U	0.0150 U	0.0150 U	0.0150 U	0.0500 U	0.0500 U	0.0150 U
Silver	5	mg/L	0.00300 U	0.00300 U	0.00300 U	0.00150 J	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.00300 U	0.0500 U	0.0500 U	0.00300 U
Organochlorine Pesticides															
4,4'-DDD	- -	mg/kg	NA	NA	NA	NA	1.1 U	NA	NA	1.0 U	NA	1.1 U	NA	NA	1.1 U
4,4'-DDE	- -	mg/kg	NA	NA	NA	NA	1.1 U	NA	NA	1.0 U	NA	1.1 U	NA	NA	1.1 U
4,4'-DDT	- -	mg/kg	NA	NA	NA	NA	1.1 U	NA	NA	1.0 U	NA	0.65 J	NA	NA	1.1 U
Aldrin	- -	mg/kg	NA	NA	NA	NA	1.1 U	NA	NA	1.0 U	NA	1.1 U	NA	NA	1.1 U
Alpha-BHC	- -	mg/kg	NA	NA	NA	NA	1.1 U	NA	NA	1.0 U	NA	1.1 U	NA	NA	1.1 U
Alpha-Chlordane	- -	mg/kg	NA	NA	NA	NA	1.1 U	NA	NA	1.0 U	NA	1.1 U	NA	NA	1.1 U
Beta-BHC	- -	mg/kg	NA	NA	NA	NA	1.1 U	NA	NA	1.0 U	NA	1.1 U	NA	NA	1.1 U
Delta-BHC	- -	mg/kg	NA	NA	NA	NA	1.1 U	NA	NA	1.0 U	NA	1.1 U	NA	NA	1.1 U
Dieldrin	- -	mg/kg	NA	NA	NA	NA	1.1 U	NA	NA	1.0 U	NA	0.30 J	NA	NA	1.1 U
Endosulfan I	- -	mg/kg	NA	NA	NA	NA	1.1 U	NA	NA	1.0 U	NA	1.1 U	NA	NA	0.67 J
Endosulfan II	- -	mg/kg	NA	NA	NA	NA	1.1 U	NA	NA	1.0 U	NA	1.1 U	NA	NA	1.1 U
Endosulfan Sulfate	- -	mg/kg	NA	NA	NA	NA	1.1 U	NA	NA	0.61 J	NA	0.22 J	NA	NA	1.1 U
Endrin	- -	mg/kg	NA	NA	NA	NA	1.1 U	NA	NA	1.0 U	NA	1.1 U	NA	NA	1.1 U
Endrin Aldehyde	- -	mg/kg	NA	NA	NA	NA	1.1 U	NA	NA	1.0 U	NA	1.1 U	NA	NA	1.1 U
Endrin Ketone	- -	mg/kg	NA	NA	NA	NA	1.1 U	NA	NA	1.0 U	NA	1.1 U	NA	NA	1.1 U
Gamma-BHC (Lindane)	- -	mg/kg	NA	NA	NA	NA	1.1 U	NA	NA	0.27 J	NA	0.29 J	NA	NA	1.1 U
Gamma-Chlordane	- -	mg/kg	NA	NA	NA	NA	1.1 U	NA	NA	1.2	NA	1.0 J	NA	NA	2.8
Heptachlor	- -	mg/kg	NA	NA	NA	NA	1.1 U	NA	NA	1.0 U	NA	1.1 U	NA	NA	1.1 U
Heptachlor Epoxide	- -	mg/kg	NA	NA	NA	NA	1.1 U	NA	NA	1.0 U	NA	1.1 U	NA	NA	1.1 U
Methoxychlor	- -	mg/kg	NA	NA	NA	NA	1.1 U	NA	NA	1.0	NA	0.71 J	NA	NA	0.48 J
Technical Chlordane	- -	mg/kg	NA	NA	NA	NA	11 U	NA	NA	10 U	NA	11 U	NA	NA	11 U
Toxaphene	- -	mg/kg	NA	NA	NA	NA	11 U	NA	NA	10 U	NA	11 U	NA	NA	11 U
PCBs															
Aroclor-1016	- -	mg/kg	NA	NA	NA	NA	0.021 U	NA	NA	0.021 U	NA	0.023 U	NA	NA	1.1 U
Aroclor-1221	- -	mg/kg	NA	NA	NA	NA	0.021 U	NA	NA	0.021 U	NA	0.023 U	NA	NA	1.1 U
Aroclor-1232	- -	mg/kg	NA	NA	NA	NA	0.021 U	NA	NA	0.021 U	NA	0.023 U	NA	NA	1.1 U
Aroclor-1242	- -	mg/kg	NA	NA	NA	NA	0.021 U	NA	NA	0.021 U	NA	0.023 U	NA	NA	1.1 U
Aroclor-1248	- -	mg/kg	NA	NA	NA	NA	0.021 U	NA	NA	0.021 U	NA	0.023 U	NA	NA	1.1 U
Aroclor-1254	- -	mg/kg	NA	NA	NA	NA	0.021 U	NA	NA	0.021 U	NA	0.023 U	NA	NA	1.1 U
Aroclor-1260	- -	mg/kg	NA	NA	NA	NA	0.11	NA	NA	0.021 U	NA	0.023 U	NA	NA	1.1 U
Aroclor-1262	- -	mg/kg	NA	NA	NA	NA	0.021 U	NA	NA	0.059	NA	0.049	NA	NA	1.1 U
Aroclor-1268	- -	mg/kg	NA	NA	NA	NA	0.021 U	NA	NA	0.021 U	NA	0.023 U	NA	NA	1.1 U
Total PCBs	50 (TSCA)	mg/kg	NA	NA	NA	NA	0.11	NA	NA	0.059	NA	0.049	NA	NA	ND
Organochlorine Pesticides-TCLP															
Endrin	0.02	mg/L	0.00020 U	0.00020 U	0.00020 U	0.0040	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00027	0.00020 U	0.00050 U	0.00050 U	NA
Gamma-BHC (Lindane)	0.4	mg/L	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00050 U	0.00050 U	NA
Heptachlor	0.008	mg/L	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00050 U*	0.00050 U*	NA
Heptachlor Epoxide	0.008	mg/L	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00050 U	0.00050 U	NA
Methoxychlor	10	mg/L	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00020 U	0.00050 U	0.00050 U	NA

See Notes on Page 5.

Table 3
Summary of Waste Characterization Analytical Results

Soil Hotspot Removal, AOC 2
Former Uhlich Property
Hastings-on-Hudson, New York

Location ID: / Date Collected:	Toxicity Characteristic Level	Units	WC-1 11/19/10	WC-2 12/02/10	WC-3 12/02/10	WC-4 12/03/10	WC-4-R 12/16/10	WC-5 12/03/10	WC-6 12/15/10	WC-6-R 12/16/10	WC-7 12/15/10	WC-7-R 12/16/10	WC-8 01/05/11	WC-9 01/05/11	WC-9R 01/26/11
Organochlorine Pesticides-TCLP (cont.)															
Technical Chlordane	0.03	mg/L	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0050 U*	0.0050 U*	NA
Toxaphene	0.5	mg/L	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0020 U	0.0050 U	0.0050 U	NA
Miscellaneous															
Flashpoint	- -	°F	>176	>176	>176	110	>176	>176	>176	>176	>176	>176	NA	NA	NA
Sulfide, Reactive	- -	mg/kg	10.0 U	20.0	10.0 U	20.0	10.0 U	10.0 U	10.0 U	40.1	10.0 U	40.1	20.0 U	20.0 U	NA
Cyanide, Reactive	- -	mg/kg	10.0 U	10.0 U	0.485 J	10.0 U	10.0 U	10.0 U	0.670 J	10.0 U	10.0 U	10.0 U	25.0 U*	25.0 U*	NA
Percent Solids	- -	%	83	67	69	66	78	82	99	80	80	73	NA	NA	73.0
pH	- -	SU	7.52	7.03	7.29	6.53	10.1	7.54	10.8	11.7	10.4	11.8	10.2 HF	11.8 HF	NA
Burn Rate	- -	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	2.20 U	2.20 U	NA

1. Samples were collected by ARCADIS and submitted to Test America Laboratory in Buffalo, New York, for analysis.
2. Shading indicates that the sample result exceeds listed criteria.
3. Toxicity Characteristic Levels, Code of Federal Regulations Title 40 Section 261.24 (Dated 7/1/2011). Available online at: http://www.gpo.gov/fdsys/pkg/CFR-2011-title40-vol26/xml/CFR-2011-title40-vol26-sec261-24.xml.
4. -- = Information not included in table. Refer to applicable reference.
5. mg/L = milligram per liter.
6. mg/kg = milligram per kilogram.
7. NA = Not available.
8. mg/L = milligram per liter.
9. * = LCS or LCSD exceeds the control limits.
10. B = Analyte was also detected in the associated method blank.
11. E = Analyte exceeded calibration range.
12. ND = None detected.
13. J = Indicates an estimated value.
14. U = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.

Table 4
Summary of Waste Water Discharge Analytical Results

Soil Hotspot Removal, AOC 2
Former Uhlich Property
Hastings-on-Hudson, New York

Location ID: Date Collected:	Temporary Effluent Limits and Monitoring Requirements	Units	DISC-01 01/05/11	DISC-02 01/06/11	DISC-03 01/06/11	DISC-04 01/10/11	DISC-05 01/10/11	DISC-06 01/13/11
Volatile Organics								
1,2-Dichlorobenzene	- -	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,3-Dichlorobenzene	- -	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
1,4-Dichlorobenzene	- -	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Benzene	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Chlorobenzene	5	ug/L	**1.6**	**3.2**	1.0 U	1.0 U	1.0 U	**0.96 J**
Ethylbenzene	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Toluene	5	ug/L	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U	1.0 U
Xylenes (total)	15	ug/L	NA	NA	NA	3.0 U	3.0 U	3.0 U
Total Dichlorobenzenes	5	ug/L	ND	ND	ND	ND	ND	ND
Semivolatile Organics								
o-Toluidine	10	ug/L	48.0 U	9.40 U	10.0 U	9.60 U	9.70 U	22.0 U
p-Toluidine	10	ug/L	48.0 U	**3.80 J**	10.0 U	9.60 U	9.70 U	22.0 U
Miscellaneous								
pH	6.5 - 8.5	SU	7.98 HF	7.98 HF	7.21 HF	7.54 HF	7.58 HF	8.42 HF
Total Dissolved Solids	200	mg/L	**780**	**768**	**792**	**782**	**786**	**436**
Total Suspended Solids	10	mg/L	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U	10.0 U
HEM								
HEM	15	mg/L	**2.8 J**	**3.5 J**	**3.4 J**	**3.7 JB**	**3.3 JB**	**3.3 J**
Biochemical Oxygen Demand								
BOD	5	mg/L	6 U	6 UH	6 U	6 U	6 U	6 U

Notes:

1. Samples were collected by ARCADIS and submitted to Test America Laboratory in Buffalo, New York, for analysis.
2. Bolded values are detected concentrations.
3. Shaded values exceed permit requirements.
4. B = Compound was detected in the blank and sample.
5. HF = Hold failure.
6. J = Indicates an estimated value.
7. mg/L = milligram per liter.
8. NA = Not available.
9. ND = None detected.
10. SU = Standard Units.
11. U = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
12. ug/L = micrograms per liter.

FIGURES

SS-16

SS-17

LEGEND:

APPROXIMATE FINAL EXTENT OF HOTSPOT EXCAVATION

FORMER STRUCTURAL FOUNDATIONS BENEATH SOIL COVER

FENCE

SANITARY SEWER

NOTES:

1. BASEMAP INFORMATION BASED ON TOPOGRAPHIC SURVEYS CONDUCTED IN JANUARY 2011 BY C.T. MALE ASSOCIATES, P.C., AND MAY 2011 BY ANGLE OF ATTACK LAND SURVEYING, LLC.,
2. HORIZONTAL DATUM IS STATE PLANE, NAD 83, NEW YORK EAST ZONE. VERTICAL DATUM SHOWN IS NAVD 88.

0 50' 100'

GRAPHIC SCALE

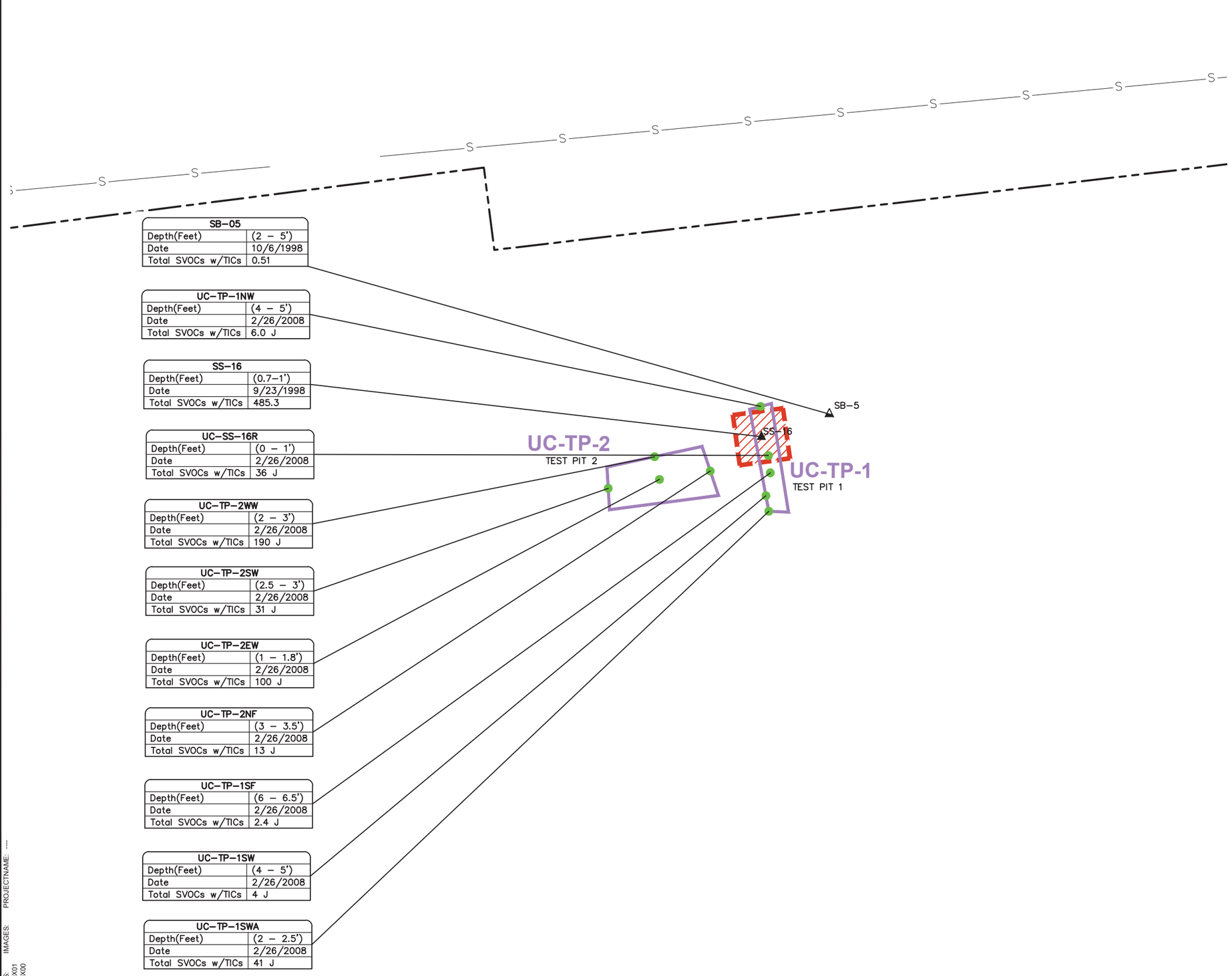
FORMER TAPPAN TERMINAL SITE
HASTINGS-ON-HUDSON, NEW YORK
SOIL EXCAVATION SUMMARY REPORT

HOTSPOT EXCAVATION LOCATIONS

ARCADIS Design & Consultancy for natural and built assets

FIGURE 1

CITY: SYRACUSE, NY DIV/GROUP: ENVCAD DB:G.STEINBERGER LD: A. SAMIOS PIC: M. FLEISCHNER PM: W. McCUNE TM:A.KORIK LYR:ON=*;OFF=*REF*
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XREFS: 467760X00 467760X01 IMAGES: PROJECTNAME: ---



LEGEND:

- APPROXIMATE TEST PIT LOCATION
- APPROXIMATE SOIL SAMPLE LOCATION
- SOIL SAMPLING LOCATION COMPLETED IN 1998 BY DVIRKA AND BARTILUCCI
- SUBSURFACE SOIL BORING
- S — SANITARY SEWER
- APPROXIMATE FINAL EXTENT OF EXCAVATION
- PROPERTY LINE

NOTES:

1. BASEMAP INFORMATION BASED ON TOPOGRAPHIC SURVEYS CONDUCTED IN JANUARY 2011 BY C.T. MALE ASSOCIATES, P.C., AND MAY 2011 BY ANGLE OF ATTACK LAND SURVEYING, LLC.,
2. HORIZONTAL DATUM IS STATE PLANE, NAD 83, NEW YORK EAST ZONE. VERTICAL DATUM SHOWN IS NAVD 88.
3. DYE RELATED TICs ONLY ARE SHOWN IN TOTAL SVOC CONCENTRATION.
4. J = THE COMPOUND WAS POSITIVELY IDENTIFIED, HOWEVER, THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION ONLY.
5. SOIL CONCENTRATIONS ARE IN mg/Kg (ppm)

0 20' 40'

GRAPHIC SCALE

FORMER TAPPAN TERMINAL SITE
HASTINGS-ON-HUDSON, NEW YORK
SOIL EXCAVATION SUMMARY REPORT

SS-16 EXCAVATION EXTENT AND ANALYTICAL RESULTS

ARCADIS Design & Consultancy for natural and built assets

FIGURE 2

CITY: SYRACUSE, NY DIV/GROUP: ENVCAD DB:G.STEINBERGER LD: A. SAMIOS PIC: M. FLEISCHNER PM: W. McCUNE TM: A.KORIK LYR:ON="OFF="REF"
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XREFS: 46760X01 46760X00 IMAGES: PROJECTNAME: ---

UC–SB–6		
Depth(Feet)	(2 – 4')	(6 – 8')
Date	4/21/2008	4/21/2008
Total SVOCs w/TICs	4700 J	18000 J

UC–SB–7		
Depth(FEET)	(2 – 4')	(6 – 8')
Date	4/22/2008	4/22/2008
Total SVOCs w/TICs	1100 J	3800 J

UC–TP4 WW	
Depth(Feet)	(4 – 4.5')
Date	2/27/2008
Total SVOCs w/TICs	1600 J

UC–TP4 NF	
Depth(Feet)	(6 – 6.5')
Date	2/27/2008
Total SVOCs w/TICs	610 J [590 J]

UC–TP–3WW	
Depth(Feet)	(4 – 4.5')
Date	2/26/2008
Total SVOCs w/TICs	6400 J

TP–TT–3NW	
Depth(Feet)	(2 – 3')
Date	2/12/2008
Total SVOCs w/TICs	520 J

TT-TP-3
TEST PIT 3

UC-TP-4
TEST PIT 4
SS-17
SB-7

UC-TP-3

UC–TP–3NF	
Depth(Feet)	(7 – 7.5')
Date	2/26/2008
Total SVOCs w/TICs	820 J

UC–SB–5		
Depth(FEET)	(2 – 4')	(6 – 8')
Date	4/22/2008	4/22/2008
Total SVOCs w/TICs	470 J	560 J

UC–SB–4		
Depth(Feet)	(2 – 4')	(6 – 8')
Date	4/21/2008	4/21/2008
Total SVOCs w/TICs	6600 J	230 J

UC–TP3 CW	
Depth(Feet)	(2.5 – 3')
Date	2/27/2008
Total SVOCs w/TICs	6300 J

UC–SS–17R	
Depth(Feet)	(0 – 1')
Date	2/26/2008
Total SVOCs w/TICs	1200 J

SS–17	
Depth(Feet)	(0.5–0.9')
Date	9/23/1998
Total SVOCs w/TICs	8711

UB–SB–13		
Depth(Feet)	(2 – 4')	(6 – 8')
Date	4/23/2008	4/23/2008
Total SVOCs w/TICs	200 J	1100 J

UC–TP4 EF	
Depth(Feet)	(7 – 7.5')
Date	2/27/2008
Total SVOCs w/TICs	120 J

UC–SB–2		
Depth(FEET)	(2 – 4')	(6 – 8')
Date	4/21/2008	4/21/2008
Total SVOCs w/TICs	20 J	11 J

GW–7/SB–3		
Depth(Feet)	(2 – 4')	(6 – 8')
Date	4/22/2008	4/22/2008
Total SVOCs w/TICs	80000 J	31 J [64 J]

SB–07	
Depth(Feet)	(2 – 6')
Date	10/6/1998
Total SVOCs w/TICs	6.5 J

UC–TP3 SW	
Depth(Feet)	(2 – 2.5')
Date	2/27/2008
Total SVOCs w/TICs	3100 J

UC–TP4 EW	
Depth(Feet)	(4 – 5')
Date	2/27/2008
Total SVOCs w/TICs	36 J

LEGEND:

- APPROXIMATE TEST PIT LOCATION
- APPROXIMATE SOIL SAMPLE LOCATION
- SUPPLEMENTAL SOIL BORING (APRIL 2008)
- SUBSURFACE SOIL BORING
- S — SANITARY SEWER
- SAMPLES WITH TOTAL SVOC CONCENTRATION ABOVE 500 ppm ON UHLICH PROPERTY
- X — APPROXIMATE PROPERTY/FENCE LINE

NOTES:

1. BASEMAP INFORMATION BASED ON TOPOGRAPHIC SURVEYS CONDUCTED IN JANUARY 2011 BY C.T. MALE ASSOCIATES, P.C., AND MAY 2011 BY ANGLE OF ATTACK LAND SURVEYING, LLC.,
2. HORIZONTAL DATUM IS STATE PLANE, NAD 83, NEW YORK EAST ZONE. VERTICAL DATUM SHOWN IS NAVD 88.
3. STRUCTURAL FEATURES SHOWN AS OF DECEMBER 2010.
4. DYE RELATED TICs ONLY ARE SHOWN IN TOTAL SVOC CONCENTRATION.
5. J = THE COMPOUND WAS POSITIVELY IDENTIFIED, HOWEVER, THE ASSOCIATED NUMERICAL VALUE IS AN ESTIMATED CONCENTRATION ONLY.
6. SOIL CONCENTRATIONS ARE IN mg/Kg (ppm)

0 20' 40'
GRAPHIC SCALE

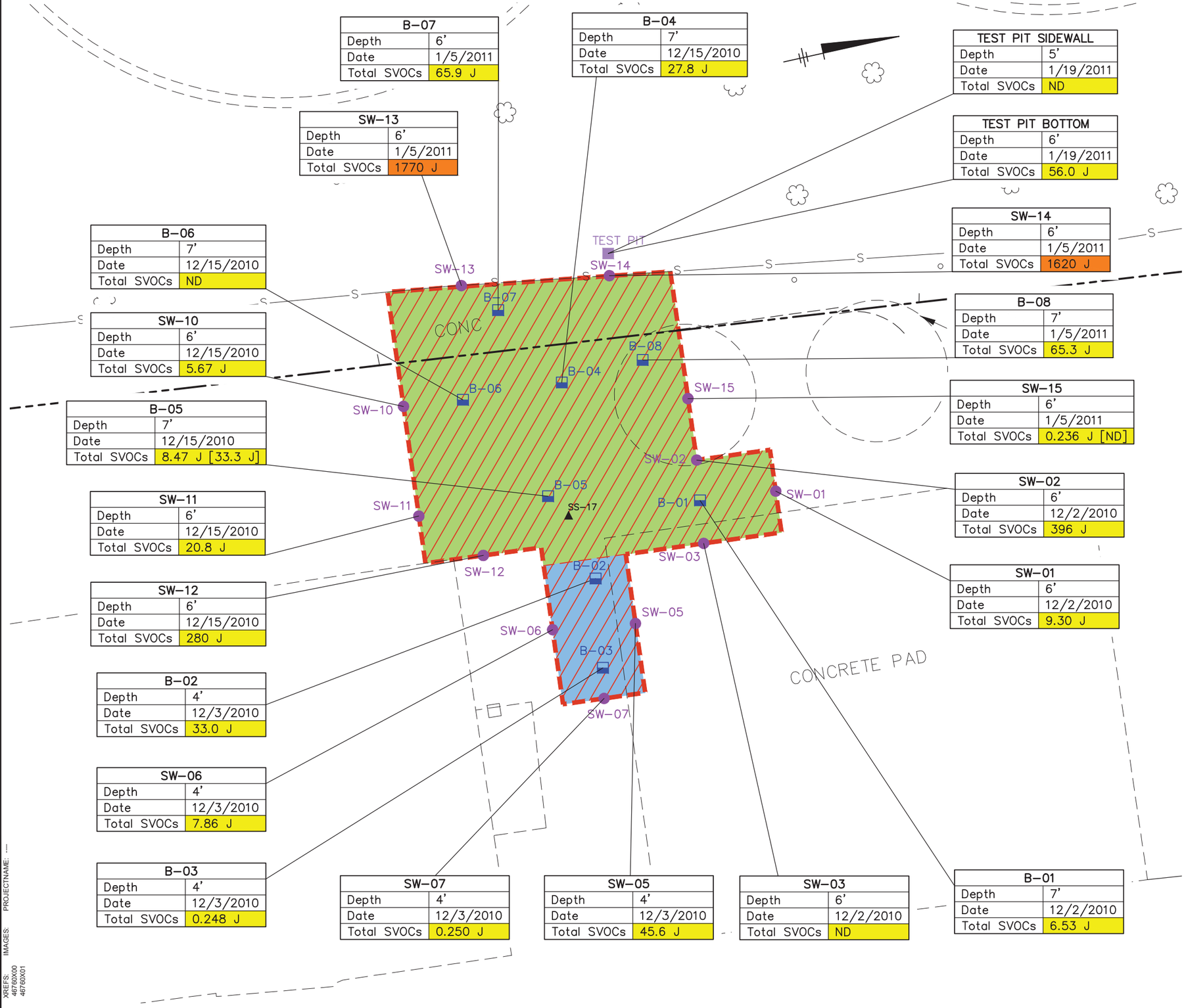
FORMER TAPPAN TERMINAL SITE
HASTINGS-ON-HUDSON, NEW YORK
SOIL EXCAVATION SUMMARY REPORT

SS-17 EXCAVATION AREA DATA

ARCADIS Design & Consultancy for natural and built assets

FIGURE 3

CITY: SYRACUSE, NY DIV/GROUP: ENVCAD DB:G.STEINBERGER LD: A. SAMIOS PIC: M. FLEISCHNER PM: W. McCUNE TM:A.KORIK LYR: ON=*;OFF=*REF*
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XREFS: 46760X01 46760X00 IMAGES: PROJECTNAME: ---



LEGEND:

- BOTTOM SAMPLE LOCATION
- SIDEWALL SAMPLE LOCATION
- TEST PIT LOCATION
- APPROXIMATE FINAL EXTENT OF EXCAVATION
- STRUCTURAL FOUNDATIONS
- S — SANITARY SEWER
- TOTAL SVOCs > 500 ppm
- TOTAL SVOCs < 500 ppm
- FINAL DEPTH OF EXCAVATION APPROXIMATELY 7 FEET
- FINAL DEPTH OF EXCAVATION APPROXIMATELY 4 FEET DUE TO BURIED CONCRETE STRUCTURE
- PROPERTY LINE

NOTES:

1. BASEMAP INFORMATION BASED ON TOPOGRAPHIC SURVEYS CONDUCTED IN JANUARY 2011 BY C.T. MALE ASSOCIATES, P.C., AND MAY 2011 BY ANGLE OF ATTACK LAND SURVEYING, LLC.,
2. HORIZONTAL DATUM IS STATE PLANE, NAD 83, NEW YORK EAST ZONE. VERTICAL DATUM SHOWN IS NAVD 88.
3. STRUCTURAL FEATURES SHOWN AS OF DECEMBER 2010.
4. CONCENTRATIONS ARE IN PARTS PER MILLION.
5. DEPTHS ARE SHOWN IN FEET. ALL DEPTHS ARE APPROXIMATE.
6. ND = NOT DETECTED
7. J=ESTIMATED VALUE
8. DUPLICATE RESULTS ARE SHOWN IN BRACKETS.

0 20' 40'
GRAPHIC SCALE

FORMER TAPPAN TERMINAL SITE
HASTINGS-ON-HUDSON, NEW YORK
SOIL EXCAVATION SUMMARY REPORT

SS-17 EXCAVATION EXTENT AND ANALYTICAL RESULTS

ARCADIS Design & Consultancy for natural and built assets

FIGURE 4

CITY: SYRACUSE, NY DIV/GROUP: ENVCAD DB:G.STEINBERGER LD:A. SAMIOS PIC: M. FLEISCHNER PM: W. McCUNE TM:A.KORIK LYR:ON="OFF="REF"
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XREFS: 46760X00 46760X01 IMAGES: PROJECTNAME: ---



LEGEND:

- S — SANITARY SEWER
- APPROXIMATE SHORELINE IN 1950
- APPROXIMATE EXTENT OF EXCAVATION
- X — APPROXIMATE PROPERTY/FENCE LINE
- SOIL TREATMENT CELLS

NOTES:

1. BASEMAP INFORMATION BASED ON TOPOGRAPHIC SURVEYS CONDUCTED IN JANUARY 2011 BY C.T. MALE ASSOCIATES, P.C., AND MAY 2011 BY ANGLE OF ATTACK LAND SURVEYING, LLC.,
2. HORIZONTAL DATUM IS STATE PLANE, NAD 83, NEW YORK EAST ZONE. VERTICAL DATUM SHOWN IS NAVD 88.
3. ACTUAL FIELD LAYOUT OF SOIL TREATMENT CELLS AND WATER STORAGE/TREATMENT EQUIPMENT MAY HAVE VARIED FROM THAT DEPICTED ON THIS FIGURE.

0 30' 60'
GRAPHIC SCALE

FORMER TAPPAN TERMINAL SITE
HASTINGS-ON-HUDSON, NEW YORK
SOIL EXCAVATION SUMMARY REPORT

EXCAVATION WATER TREATMENT AND DISCHARGE SETUP

ARCADIS Design & Consultancy for natural and built assets

FIGURE
5

CITY: SYRACUSE DIV/GROUP: 141 DB: R. BASSETT A.Schilling R. BASSETT PM:(Reqd) LYR: ON=*;OFF=REF,|BUILDING TEXT, |DIM
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XREFS: IMAGES: PROJECTNAME: ----
46760X01 e_06600784_06_04500_col_2007.jp2

APPENDIX A

Effluent Water Discharge Permit

Tappan Terminal Site DHWR Site No.: 360015

TEMPORARY EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

During the period beginning at start-up and lasting for two months, the discharges from the remedial treatment system to the Hudson River located near the Tappan Terminal Site (360015) shall be limited and monitored by the operator as specified below:

Minimum Monitoring Requirements

Discharge Limitations		Measurement	Sample	Outfall Number &		
Effluent Parameter	CAS No.	Daily Max.	Units	Frequency	Type	
Flow	NA	Monitor	gpd	Continuous	Meter	
pH(Range)	NA	6.5 to 8.5	SU	(1)	Grab	
Oil and Grease	NA	15	mg/l	(1)	Grab	
BOD, 5-day	NA	5	mg/l	(1)	Grab	
Solids, Total Suspended	NA	10	mg/l	(1)	Grab	
Solids, Total Dissolved	NA	200	mg/l	(1)	Grab	
Turbidity	NA	5	NTUs	(1)	Grab	
Benzene	71-43-2	5	ug/l	(1)	Grab	
Chlorobenzene	108-90-7	5	ug/l	(1)	Grab	
Sum of Dichlorobenzenes	NA	5	ug/l	(1)	Grab	
Ethylbenzene	100-41-4	5	ug/l	(1)	Grab	
Toluene	108-88-3	5	ug/l	(1)	Grab	
Total Xylene		15	ug/l	(1)	Grab	

Footnotes:

(1) Samples must be collected prior to each discharge event. Discharge may not commence until the sample results show compliance with the above discharge limitations.

(2) Only remedial wastewater generated during soil excavation activities are authorized for treatment and discharge.

(3) Samples and measurements, to comply with the monitoring requirements specified above, must be taken from a holding tank prior to discharge to the Hudson River.

(4) Discharge is not authorized until such time as an engineering submission showing the method of treatment and discharge is approved by the Department. The discharge rate may not exceed the effective treatment system capacity. All monitoring data, engineering submissions and modification requests must be submitted to the following DHWR contact person:

William Ports
NYSDEC-Division of Environmental Remediation
625 Broadway, 11th floor
Albany, NY 12233-7014

APPENDIX B

Waste Disposal Documentation

CWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
NYD986901577	1	(800)424-9300	HOH42011-1

GENERATOR

5. Generator's Name and Mailing Address
CHEVRON ENV. MANAGEMENT CO c/o CPDS WASTE DESK
P.O. BOX 6004 - ATTN: KATHY NORRIS
SAN RAMON CA 94583-0604
Generator's Phone: (925) 842-5931

Generator's Site Address (if different than mailing address)
CHEVRON FORMER TAPPAN TERMINAL
1 RAILROAD AVE
HASTINGS ON HUDSON NY 10706-2704

6. Transporter 1 Company Name: HORWITH TRKS INC — U.S. EPA ID Number: PAD146714878

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD049836679

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON-REGULATED MATERIAL NY301960	1	CM	EST 30000	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
DECHARTERIZED LEAD SOIL ERG # 171
Weight in section 11 is estimated SR # 954837-1
HASTINGS
NWS FD0000620
M. STELLA (713-432-2643)

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name — Signature — Month Day Year: 4-22-2011

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: JERRY L. ANDREWS — Signature — Month Day Year: 4 22 2011

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

H132

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name — Signature — Month Day Year

169-BLC-O 5 11977 (Rev. 8/06)

GENERATOR'S/SHIPPER'S INITIAL COPY

CWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
NYD986901677	1	(800)424-9300	HOH42011-2

GENERATOR

5. Generator's Name and Mailing Address
CHEVRON ENV. MANAGEMENT CO c/o CPDS WASTE DESK
P.O. BOX 6004 - ATTN: KATHY NORRIS
SAN RAMON CA 94583-0804
Generator's Phone: (925) 842-5931

Generator's Site Address (if different than mailing address)
CHEVRON FORMER TAPPAN TERMINAL
1 RAILROAD AVE
HASTINGS ON HUDSON NY 10706-2704

6. Transporter 1 Company Name: Horwith Trucks Inc — U.S. EPA ID Number: PAD146714878

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD049836679

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON-REGULATED MATERIAL NY301960	001	CM	EST 30000	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
DECHARITERIZED LEAD SOIL
Weight in section 11 is estimated
ERG # 171
SR # 954837-2
HASTINGS on Hudson
NWSFD ΦΦΦΦ 6R20 M STELLA (713-432-2643)

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year
[illegible] | | 4 | 22 | 11

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: LONNY BYFOGLE | Signature: Lonny Byfogle | Month: 04 | Day: 22 | Year: 11

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month | Day | Year

H132

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name | Signature | Month | Day | Year

GENERATOR'S/SHIPPER'S INITIAL COPY

CWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
NYD986901577	1	(800)424-9300	HOH42011-3

5. Generator's Name and Mailing Address
CHEVRON ENV. MANAGEMENT CO c/o CPDS WASTE DESK
P.O. BOX 6004 - ATTN: KATHY NORRIS
SAN RAMON CA 94583-0804
Generator's Phone: (926) 842-6931

Generator's Site Address (if different than mailing address)
CHEVRON FORMER TAPPAN TERMINAL
1 RAILROAD AVE
HASTINGS ON HUDSON NY 10706-2704

6. Transporter 1 Company Name
Horwith Trucking Inc
U.S. EPA ID Number: PAD142714375

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716)286-1550
U.S. EPA ID Number: NYD049836679

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON-REGULATED MATERIAL NY301960	1	CM	5 yd 30.00	D	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
DECHARITERIZED LEAD SOIL
ERG # 171
Weight in section 11 is estimated
SR # 954837-3
HASTINGS Project
NWSFD 0000GR20
M STELLA (713-432-2643)

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year
4-22-2011

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: W. Sheel T. Sr | Signature | Month: 4 | Day: 22 | Year: 2011

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

H132

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name | Signature | Month | Day | Year

169-BLC-O 5 11977 (Rev. 8/06)

GENERATOR'S/SHIPPER'S INITIAL COPY

CWM

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
NYD986901577	1	(800)424-9300	HOH42011-5

GENERATOR

5. Generator's Name and Mailing Address
CHEVRON ENV. MANAGEMENT CO c/o CPDS WASTE DESK
P.O. BOX 6004 - ATTN: KATHY NORRIS
SAN RAMON CA 94583-0804
Generator's Phone: (925) 842-5931

Generator's Site Address (if different than mailing address)
CHEVRON FORMER TAPPAN TERMINAL
1 RAILROAD AVE
HASTINGS ON HUDSON NY 10706-2704

6. Transporter 1 Company Name: Herwin Trucks Inc
U.S. EPA ID Number: PAD141671878

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD049836679

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON-REGULATED MATERIAL NY301960	1	CM			
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
DECHARITERIZED LEAD SOIL
Weight in section 11 is estimated
ERG # 171
SR # 954837-5
HASTINGS
NWSFD 00006R20
M. Stella (713 432-2643)

14. **GENERATOR'S CERTIFICATION:** I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit: 4 22 201
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name	Signature	Month	Day	Year
Jeff Grim	Jeff Grim	4	22	11
Transporter 2 Printed/Typed Name	Signature	Month	Day	Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) | Month | Day | Year

H132

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name | Signature | Month | Day | Year

169-BLC-O 5 11977 (Rev. 8/06)

GENERATOR'S/SHIPPER'S INITIAL COPY

CWMI

NON-HAZARDOUS WASTE MANIFEST

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Waste Tracking Number
NYD986901577	1	(800)424-9300	HOH42011-4

GENERATOR

5. Generator's Name and Mailing Address
CHEVRON ENV. MANAGEMENT CO c/o CPDS WASTE DESK
P.O. BOX 6004 - ATTN: KATHY NORRIS
SAN RAMON CA 94583-0804
Generator's Phone: (925) 842-5931

Generator's Site Address (if different than mailing address)
CHEVRON FORMER TAPPAN TERMINAL
1 RAILROAD AVE
HASTINGS ON HUDSON NY 10706-2704

6. Transporter 1 Company Name: Horwith trucks Inc — U.S. EPA ID Number: PAD146714878

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address
CWM CHEMICAL SERVICES, L.L.C.
1550 BALMER RD.
MODEL CITY NY 14107
Facility's Phone: (716) 286-1550
U.S. EPA ID Number: NYD049836679

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	NON-REGULATED MATERIAL NY301960	1				
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information
DECHARITERIZED LEAD SOIL
Weight in section 11 is estimated
ERG # 171
SR # 954837-4
HASTings Project
NWSFD 000006R20
M. STELLA (713-432-2643)

14. GENERATOR'S CERTIFICATION: I certify the materials described above on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.
Generator's/Offeror's Printed/Typed Name — Signature — Month Day Year: 4 22 2011

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: James Buskirk — Signature: James Buskirk — Month Day Year: 04 22 11
Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Manifest Reference Number:
17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:
17c. Signature of Alternate Facility (or Generator) — Month Day Year

H132

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name — Signature — Month Day Year

169-BLC-O 5 11977 (Rev. 8/06)

GENERATOR'S/SHIPPER'S INITIAL COPY

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT

1. Generator ID Number: NYD986901577
2. Page 1 of: 1
3. Emergency Response Phone: (800) 424-9300
4. Shipping Document Tracking Number: ZZ 00286724

GENERATOR

5. Generator's Name and Mailing Address:
CHEVRON ENV. MANAGEMENT CO.
C/O CPDS WASTE DESK
PO BOX 6004 ATTN: KATHY NORRIS
SAN RAMON, CA 94583-0804
Generator's Phone: 925 842-5931

Generator's Site Address (if different than mailing address):
CHEVRON ENVIRONMENTAL MGT CO
1 RAILROAD AVE
HASTINGS ON HUDSON, NY 10706
MAPS NWSFD 000606R70 713-432-2693

6. Transporter 1 Company Name: ENVIRON. TRANSPORT GROUP INC.
U.S. EPA ID Number: NJD000692061

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
VEOLIA ES TECHNICAL SOLUTIONS
7 MOBILE AVENUE
SAUGET, IL 62201-1069
Facility's Phone: 618 271-2804
U.S. EPA ID Number: ILD098642424

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
	1. NON RCRA AND DOT NON REGULATED SOLID	001	CM	00020	Y	NONE
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
STABILIZED
ER Service Contracted by VESTS; APPROVAL-TWI211211 + 1) SOIL AND DEBRIS

15. **GENERATOR S/OFFEROR S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: MARK P STELLA
Signature:
Month: 7 Day: 15 Year: 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Shipment

Transporter 1 Printed/Typed Name: J.V. SCHEAT
Signature:
Month: 7 Day: 15 Year: 11

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Shipping Document Tracking Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a

Printed/Typed Name:
Signature:
Month: Day: Year:

GENERATOR / SHIPPER'S INITIAL COPY

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Shipping Document Tracking Number
NYD986901577	1	(800) 424-9300	ZZ 00286726

GENERATOR

5. Generator's Name and Mailing Address
CHEVRON ENV. MANAGEMENT CO.
C/O CPDS WASTE DESK
PO BOX 6004 ATTN: KATHY NORRIS
SAN RAMON, CA 94583-0804
Generator's Phone: 925 842-5931

Generator's Site Address (if different than mailing address)
CHEVRON ENVIRONMENTAL MGT CO
1 RAILROAD AVE
HASTINGS ON HUDSON, NY 10706

6. Transporter 1 Company Name
ENVIRON. TRANSPORT GROUP INC.
U.S. EPA ID Number
NJD000692061

7. Transporter 2 Company Name
U.S. EPA ID Number

8. Designated Facility Name and Site Address
VEOLIA ES TECHNICAL SOLUTIONS
7 MOBILE AVENUE
SAUGET, IL 62201-1069
Facility's Phone: 618 271-2804
U.S. EPA ID Number
ILD098642424

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
	1. NON RCRA AND DOT NON REGULATED SOLID	001	CM	00020	Y	NONE
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
ER Service Contracted by VESTS; APPROVAL TWI211211 (- 1) SOIL AND DEBRIS
STABILIZED

15. **GENERATOR S/OFFEROR S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: MARK P STELLA
Signature
Month: 6 Day: 30 Year: 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Shipment

Transporter 1 Printed/Typed Name
Signature
Month: 7 Day: 1 Year: 11

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Shipping Document Tracking Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a

Printed/Typed Name
Signature
Month Day Year

GENERATOR / SHIPPER'S INITIAL COPY

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT

1. Generator ID Number: NYD986901577
2. Page 1 of: 1
3. Emergency Response Phone: (800) 424-9300
4. Shipping Document Tracking Number: ZZ 00286725

5. Generator's Name and Mailing Address
CHEVRON ENV. MANAGEMENT CO.
C/O CPDS WASTE DESK
PO BOX 6004 ATTN: KATHY NORRIS
SAN RAMON, CA 94583-0804
Generator's Phone: 925 842-5931

Generator's Site Address (if different than mailing address)
CHEVRON ENVIRONMENTAL MGT CO
1 RAILROAD AVE
HASTINGS ON HUDSON, NY 10706

MAPS
NWSFD 04/26 AT 10 AM 2013

6. Transporter 1 Company Name: ENVIRON. TRANSPORT GROUP INC.
U.S. EPA ID Number: NJD000692061

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
VEOLIA ES TECHNICAL SOLUTIONS
7 MOBILE AVENUE
SAUGET, IL 62201-1069
Facility's Phone: 618 271-2804
U.S. EPA ID Number: ILD098642424

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
	1. NON RCRA AND DOT NON REGULATED SOLID	001	CM	00020	Y	NONE
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
STABILIZED
ER Service Contracted by VESTS; APPROVAL-TWI211211 + 1) SOIL AND DEBRIS

15. **GENERATOR S/OFFEROR S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: MARK P STELLA
Signature:
Month: 7 Day: 15 Year: 11

GENERATOR

INT'L

16. International Shipments
☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Shipment
Transporter 1 Printed/Typed Name: Richard McDowell
Signature:
Month: 7 Day: 15 Year: 11
Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy
18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection
Shipping Document Tracking Number:
18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:
18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)
1. 2. 3. 4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a
Printed/Typed Name:
Signature:
Month: Day: Year:

GENERATOR / SHIPPER'S INITIAL COPY

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT

1. Generator ID Number: NYD986901577
2. Page 1 of: 1
3. Emergency Response Phone: (800) 424-9300
4. Shipping Document Tracking Number: ZZ 00286727

GENERATOR

5. Generator's Name and Mailing Address:
CHEVRON ENV. MANAGEMENT CO.
C/O CPDS WASTE DESK
PO BOX 6004 ATTN: KATHY NORRIS
SAN RAMON, CA 94583-0804
Generator's Phone: 928 642-9931

Generator's Site Address (if different than mailing address):
CHEVRON ENVIRONMENTAL MGT CO
1 RAILROAD AVE
HASTINGS ON HUDSON, NY 10706
713-432-2643

6. Transporter 1 Company Name: ENVIRON. TRANSPORT GROUP INC.
U.S. EPA ID Number: NJD000692061

7. Transporter 2 Company Name:
U.S. EPA ID Number:

8. Designated Facility Name and Site Address:
VEOLIA ES TECHNICAL SOLUTIONS
7 MOBILE AVENUE
SAUGET, IL 62201-1069
Facility's Phone: 618 271-2804
U.S. EPA ID Number: ILD098642424

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
	1. NON RCRA AND DOT NON REGULATED SOLID	001	CM	00020	Y	NONE
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
ER Service Contracted by VESTS; APPROVAL-TWI211211 +- 1) SOIL AND DEBRIS
STABILIZED

15. **GENERATOR S/OFFEROR S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Mark P Stella
Signature:
Month: 7 Day: 15 Year: 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Shipment

Transporter 1 Printed/Typed Name: Rob Gomez
Signature:
Month: 7 Day: 15 Year: 11

Transporter 2 Printed/Typed Name:
Signature:
Month: Day: Year:

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Shipping Document Tracking Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number:
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month: Day: Year:

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a

Printed/Typed Name:
Signature:
Month: Day: Year:

GENERATOR / SHIPPER'S INITIAL COPY

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT

1. Generator ID Number: NYD988690157 | 2. Page 1 of: 1 | 3. Emergency Response Phone: (800) 424-9300 | 4. Shipping Document Tracking Number: ZZ 00286728

5. Generator's Name and Mailing Address
CHEVRON ENV. MANAGEMENT CO.
C/O CPDS WASTE DESK
PO BOX 6004 ATTN: KATHY NORRIS
SAN RAMON, CA 94583-0804
Generator's Phone: 925 842-5931

Generator's Site Address (if different than mailing address)
CHEVRON ENVIRONMENTAL MGT CO
1 RAILROAD AVE
HASTINGS ON HUDSON, NY 10706

6. Transporter 1 Company Name: ENVIRON. TRANSPORT GROUP INC. | U.S. EPA ID Number: NJD000692061

7. Transporter 2 Company Name | U.S. EPA ID Number

8. Designated Facility Name and Site Address
VEOLIA ES TECHNICAL SOLUTIONS
7 MOBILE AVENUE
SAUGET, IL 62201-1069
Facility's Phone: 618 271-2804 | U.S. EPA ID Number: ILD098642424

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
	1. NON RCRA AND DOT NON REGULATED SOLID	001	CM	00020	Y	NONE
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
STABILIZED
ER Service Contracted by VESTS; APPROVAL-TWI211211 + 1) SOIL AND DEBRIS

15. **GENERATOR S/OFFEROR S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: MARK P STELLA | Signature: Mark P Stella | Month: 6 | Day: 30 | Year: 11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Shipment

Transporter 1 Printed/Typed Name | Signature | Month: 7 | Day: 1 | Year: 11

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Shipping Document Tracking Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number

Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

GENERATOR / SHIPPER'S INITIAL COPY

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Shipping Document Tracking Number
NYD986901577	1	(800) 424-9300	ZZ 00286729

GENERATOR

5. Generator's Name and Mailing Address
CHEVRON ENV. MANAGEMENT CO.
C/O CPDS WASTE DESK
PO BOX 6004 ATTN: KATHY NORRIS
SAN RAMON, CA 94583-0804
Generator's Phone: 925 842-5931

Generator's Site Address (if different than mailing address)
CHEVRON ENVIRONMENTAL MGT CO
1 RAILROAD AVE
HASTINGS ON HUDSON, NY 10706

6. Transporter 1 Company Name
ENVIRON. TRANSPORT GROUP INC.
U.S. EPA ID Number: NJD000089061

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
VEOLIA ES TECHNICAL SOLUTIONS
7 MOBILE AVENUE
SAUGET, IL 62201-1069
Facility's Phone: 618 271-2804
U.S. EPA ID Number: ILD098642424

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
	1. NON RCRA AND DOT NON REGULATED SOLID	001	CM	00020	Y	NONE
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
STABILIZED
ER Service Contracted by VESTS; APPROVAL-TWI211211 + 1) SOIL AND DEBRIS

15. **GENERATOR S/OFFEROR S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

MARK P STELLA — Mark P Stella — Month 7 Day 15 Year 11

Generator's/Offeror's Printed/Typed Name | Signature | Month | Day | Year

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Shipment

Transporter 1 Printed/Typed Name: Richard M. Cuell — Signature — Month 7 Day 15 Year 11

Transporter 2 Printed/Typed Name | Signature | Month | Day | Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Shipping Document Tracking Number:

18b. Alternate Facility (or Generator) | U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator) | Month | Day | Year

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a

Printed/Typed Name | Signature | Month | Day | Year

GENERATOR / SHIPPER'S INITIAL COPY

VEOLIA
ENVIRONMENTAL SERVICES

SHIPPING DOCUMENT

1. Generator ID Number	2. Page 1 of	3. Emergency Response Phone	4. Shipping Document Tracking Number
NYD986901577	1	(800) 424-9300	ZZ 00286730

GENERATOR

5. Generator's Name and Mailing Address
CHEVRON ENV. MANAGEMENT CO.
C/O CPDS WASTE DESK
PO BOX 6004 ATTN: KATHY NORRIS
SAN RAMON, CA 94583-0804
Generator's Phone: 925 842-5931

Generator's Site Address (if different than mailing address)
CHEVRON ENVIRONMENTAL MGT CO
1 RAILROAD AVE
HASTINGS ON HUDSON, NY 10706

6. Transporter 1 Company Name
ENVIRON. TRANSPORT GROUP INC.
U.S. EPA ID Number: NJD000692061

7. Transporter 2 Company Name
U.S. EPA ID Number:

8. Designated Facility Name and Site Address
VEOLIA ES TECHNICAL SOLUTIONS
7 MOBILE AVENUE
SAUGET, IL 62201-1069
Facility's Phone: 618 271-2804
U.S. EPA ID Number: ILD098642424

9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	13. Codes
	1. NON RCRA AND DOT NON REGULATED SOLID	001	CM	00020	Y	NONE
	2.					
	3.					
	4.					

14. Special Handling Instructions and Additional Information
STABILIZED
ER Service Contracted by VESTS; APPROVAL-TWI211211 -|- 1) SOIL AND DEBRIS

15. **GENERATOR S/OFFEROR S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: MARK P Stella
Signature
Month Day Year: 7-15-11

INT'L

16. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter signature (for exports only): Date leaving U.S.:

TRANSPORTER

17. Transporter Acknowledgment of Receipt of Shipment

Transporter 1 Printed/Typed Name: John Seibert
Signature
Month Day Year: 7 15 11

Transporter 2 Printed/Typed Name
Signature
Month Day Year

DESIGNATED FACILITY

18. Discrepancy

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Shipping Document Tracking Number:

18b. Alternate Facility (or Generator)
U.S. EPA ID Number
Facility's Phone:

18c. Signature of Alternate Facility (or Generator)
Month Day Year

19. Report Management Method Codes (i.e., codes for treatment, disposal, and recycling systems)

1.	2.	3.	4.

20. Designated Facility Owner or Operator: Certification of receipt of shipment except as noted in Item 18a

Printed/Typed Name
Signature
Month Day Year

GENERATOR / SHIPPER'S INITIAL COPY

CONTRACT ACTIVITY REPORT
From: Jan 01, 2011 To: Feb 05, 2011
Specified Contract: 1019425

Facility: All Facilities

DETAILED REPORT Ticket Type: All Ticket Types

Ticket Date	Ticket Number	Customer	Material	Billing Quantity	Minimum Quantity	Maximum Quantity	Material Total	Tax Total	Total	Contract Rate
1019425										
4 Jan 11	739075-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	23.24 TN	0.00	0.00	$1,254.96	$0.00	$1,254.96	$54.00
4 Jan 11	739076-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	24.22 TN	0.00	0.00	$1,307.88	$0.00	$1,307.88	$54.00
4 Jan 11	739099-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	20.73 TN	0.00	0.00	$1,119.42	$0.00	$1,119.42	$54.00
4 Jan 11	739114-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	19.51 TN	0.00	0.00	$1,053.54	$0.00	$1,053.54	$54.00
4 Jan 11	739116-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	20.46 TN	0.00	0.00	$1,104.84	$0.00	$1,104.84	$54.00
4 Jan 11	739126-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	22.42 TN	0.00	0.00	$1,210.68	$0.00	$1,210.68	$54.00
5 Jan 11	739229-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	24.58 TN	0.00	0.00	$1,327.32	$0.00	$1,327.32	$54.00
5 Jan 11	739230-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	22.77 TN	0.00	0.00	$1,229.58	$0.00	$1,229.58	$54.00
5 Jan 11	739235-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	23.73 TN	0.00	0.00	$1,281.42	$0.00	$1,281.42	$54.00
5 Jan 11	739236-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	23.75 TN	0.00	0.00	$1,282.50	$0.00	$1,282.50	$54.00
5 Jan 11	739270-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	25.37 TN	0.00	0.00	$1,369.98	$0.00	$1,369.98	$54.00
6 Jan 11	901291-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	22.62 TN	0.00	0.00	$1,221.48	$0.00	$1,221.48	$54.00
6 Jan 11	901292-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	22.86 TN	0.00	0.00	$1,234.44	$0.00	$1,234.44	$54.00
6 Jan 11	739401-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	23.45 TN	0.00	0.00	$1,266.30	$0.00	$1,266.30	$54.00
6 Jan 11	739403-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	23.75 TN	0.00	0.00	$1,282.50	$0.00	$1,282.50	$54.00
19 Jan 11	740510-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	23.59 TN	0.00	0.00	$1,273.86	$0.00	$1,273.86	$54.00
19 Jan 11	740558-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	25.87 TN	0.00	0.00	$1,396.98	$0.00	$1,396.98	$54.00
20 Jan 11	740643-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	18.12 TN	0.00	0.00	$978.48	$0.00	$978.48	$54.00
20 Jan 11	740642-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	22.35 TN	0.00	0.00	$1,206.90	$0.00	$1,206.90	$54.00
1 Feb 11	741636-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	17.64 TN	0.00	0.00	$952.56	$0.00	$952.56	$54.00
1 Feb 11	741637-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	20.50 TN	0.00	0.00	$1,107.00	$0.00	$1,107.00	$54.00
1 Feb 11	741638-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	18.70 TN	0.00	0.00	$1,009.80	$0.00	$1,009.80	$54.00
3 Feb 11	741884-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	22.26 TN	0.00	0.00	$1,202.04	$0.00	$1,202.04	$54.00
3 Feb 11	741885-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	21.70 TN	0.00	0.00	$1,171.80	$0.00	$1,171.80	$54.00
3 Feb 11	741890-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL	25.30 TN	0.00	0.00	$1,366.20	$0.00	$1,366.20	$54.00
			CONTRACT TOTALS :				$30,212.46	$0.00	$30,212.46	

Material Summary	Inbound Weight	Inbound Volume	Outbound Weight	Outbound Volume	Billing Quantity	Contract Ordered	Ordered Variance	Total
VG - SW-CONT SOIL	559.49 TN	0.00 YD	0.00 TN	0.00 YD	559.49 TN	0.00	559.49	$30,212.46

CONTRACT ACTIVITY REPORT
From: Jan 01, 2011 To: Feb 05, 2011
Specified Contract: 1019425ADC

Facility: All Facilities

DETAILED REPORT Ticket Type: All Ticket Types

Ticket Date	Ticket Number	Customer	Material	Billing Quantity	Minimum Quantity	Maximum Quantity	Material Total	Tax Total	Total	Contract Rate
1019425ADC										
4 Jan 11	I 739081-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL-ALT DAI	25.00 TN	0.00	0.00	$875.00	$0.00	$875.00	$35.00
4 Jan 11	I 739091-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL-ALT DAI	21.35 TN	0.00	0.00	$747.25	$0.00	$747.25	$35.00
4 Jan 11	I 739093-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL-ALT DAI	23.36 TN	0.00	0.00	$817.60	$0.00	$817.60	$35.00
4 Jan 11	I 739094-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL-ALT DAI	19.11 TN	0.00	0.00	$668.85	$0.00	$668.85	$35.00
4 Jan 11	I 739113-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL-ALT DAI	21.37 TN	0.00	0.00	$747.95	$0.00	$747.95	$35.00
4 Jan 11	I 739115-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL-ALT DAI	20.28 TN	0.00	0.00	$709.80	$0.00	$709.80	$35.00
4 Jan 11	I 739117-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL-ALT DAI	25.87 TN	0.00	0.00	$905.45	$0.00	$905.45	$35.00
4 Jan 11	I 739122-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL-ALT DAI	21.19 TN	0.00	0.00	$741.65	$0.00	$741.65	$35.00
4 Jan 11	I 739127-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL-ALT DAI	20.93 TN	0.00	0.00	$732.55	$0.00	$732.55	$35.00
5 Jan 11	I 739243-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL-ALT DAI	24.19 TN	0.00	0.00	$846.65	$0.00	$846.65	$35.00
5 Jan 11	I 739244-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL-ALT DAI	25.17 TN	0.00	0.00	$880.95	$0.00	$880.95	$35.00
6 Jan 11	I 739402-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL-ALT DAI	22.51 TN	0.00	0.00	$787.85	$0.00	$787.85	$35.00
19 Jan 11	I 740501-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL-ALT DAI	21.16 TN	0.00	0.00	$740.60	$0.00	$740.60	$35.00
19 Jan 11	I 740503-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL-ALT DAI	23.90 TN	0.00	0.00	$836.50	$0.00	$836.50	$35.00
19 Jan 11	I 740504-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL-ALT DAI	20.39 TN	0.00	0.00	$713.65	$0.00	$713.65	$35.00
19 Jan 11	I 740556-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL-ALT DAI	25.87 TN	0.00	0.00	$905.45	$0.00	$905.45	$35.00
19 Jan 11	I 740557-00	042324-0000 - CHEVRON EN\	SW-CONT SOIL-ALT DAI	25.07 TN	0.00	0.00	$877.45	$0.00	$877.45	$35.00
		CONTRACT TOTALS :					$13,535.20	$0.00	$13,535.20	

Material Summary	Inbound Weight	Inbound Volume	Outbound Weight	Outbound Volume	Billing Quantity	Contract Ordered	Ordered Variance	Total
VI - SW-CONT SOIL-ALT DAI	386.72 TN	0.00 YD	0.00 TN	0.00 YD	386.72 TN	0.00	386.72	$13,535.20

ALLIED WASTE

NON-HAZARDOUS WASTE MANIFEST

0297070

Please print or type.

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
4. Phone ( )	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone
13. Designated T/S/D Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a.					
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

ALLIED WASTE

Please print or type

NON-HAZARDOUS WASTE MANIFEST

0297071

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
4. Phone ( )	6. Phone ( ) NWSF) ~~0000~~ 000063180

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
10. Transporter #2 Company Name	**11. US EPA ID Number**	**12. Transporter #2's Phone**
13. Designated T/S/D Facility Name and Site Address	**14. US EPA ID Number**	**15. Facility's Phone**
[illegible]		

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL DEBRIS	[illegible]	1		(C.Y.) 3	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Mark Stella	[signature]	01	01	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Monte Wise	[signature]	1	1	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

ALLIED WASTE

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

0297072

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
4. Phone ( )	6. Phone ( ) NWSFD00006 M80

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone
13. Designated T/S/D Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL & DEBRIS	5021 10 19425	1		(e.t. 32	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Mark Stolfa	Mark Stolfa	01	04	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
John Cusick		01	14	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

CGM000033

REV 08/09

AW-F15

SFSP - M, Stella

ALLIED WASTE

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

0297073

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
CHEVRON ENVIRONMENTAL MANAGEMENT CO PO BOX 4004 SAN RAMON CA 94583 4. Phone ( ) (925) 842-9231	CHEVRON ENVIRONMENTAL MANAGEMENT CO 1 PARKROAD AVENUE HAZLETON PENNSYLVANIA 18201 6. Phone ( ) NWSFD00006M80

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
10. Transporter #2 Company Name	**11. US EPA ID Number**	**12. Transporter #2's Phone**
13. Designated T/S/D Facility Name and Site Address	**14. US EPA ID Number**	**15. Facility's Phone**
CLINTON LANDFILL 420 QUARRY ROAD WAMPUM PA 16157		724-535-5694

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL/DEBRIS	5691 10 1823			(-1) 22	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
MARK STOLA	Mark Stola	01	04	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
#1 Albert Gouveia		01	04	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

ALLIED WASTE

Please print or type

NON-HAZARDOUS WASTE MANIFEST

0297074

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
4. Phone ( )	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone
13. Designated T/S/D Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL/DEBRIS	SOIL 10 1425			27	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Mark Stella		01	04	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		1	4	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

EFF - M. Stella

ALLIED WASTE

Please print or type

NON-HAZARDOUS WASTE MANIFEST

0297075

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
4. Phone ( ) [illegible]	6. Phone ( ) [illegible]

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
J&D TRUCKING #14	NJR000009967	856 691 5145
10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone
13. Designated T/S/D Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone
[illegible] 420 QUARRY ROAD [illegible]		[illegible]

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOILDEBRIS	5981 10 19425	1		(est.) 2	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
MARK STELLA	[signature]	01	09	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
GEORGE HILES	[signature]	01	09	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

GOM000033

REV 08/09

AW-F15

ALLIED WASTE

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

SFSP-11-6116

0297076

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
4. Phone ( ) [illegible]	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
10. Transporter #2 Company Name	**11. US EPA ID Number**	**12. Transporter #2's Phone**
13. Designated T/S/D Facility Name and Site Address	**14. US EPA ID Number**	**15. Facility's Phone**
[illegible] 420 QUARRY ROAD [illegible]		

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL/DEBRIS	[illegible]			(est) 30	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
MARK STOLL	Mark Stoll	01	01	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Luis Salazar		01	01	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

ALLIED WASTE

Please print or type

NON-HAZARDOUS WASTE MANIFEST

0297077

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
CHEVRON ENVIRONMENTAL MANAGEMENT CO PO BOX 6004 SAN RAMON CA 94583 4. Phone ( ) (925) 842-9591	CHEVRON ENVIRONMENTAL MANAGEMENT CO 1 IVAN ROAD AVENUE HACIENDA OR LIVERMORE CA 9550 6. Phone ( ) 925/862-2480

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
J + D Trucking	NJR 000079761	856-692-3195
10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone
13. Designated T/S/D Facility Name and Site Address CONESTOGA LANDFILL 420 QUARRY ROAD MORGANTOWN PA 19543	14. US EPA ID Number	15. Facility's Phone 610-286-8844

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL DEBRIS	5001 10 1942 5	1		(est.) 20	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
MARK [illegible]	[signature]	01	04	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Charles Laing/CS	[signature]	01	04	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000038

REV 08/09

AW-F15

ALLIED WASTE

SFSP-MSL-11

Please print or type

NON-HAZARDOUS WASTE MANIFEST

0297078

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
[illegible]	[illegible]
[illegible]	[illegible]
4. Phone ( ) [illegible]	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
[illegible]	[illegible]	[illegible]
10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone
13. Designated T/S/D Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone
[illegible]		[illegible]
[illegible]		
[illegible]		

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL #ERDS	SAN 16 10425	1		(41) 22	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Mark Smith	Mark Smith	01	04	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	1	4	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

SFSP - M Shells

ALLIED WASTE

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

0297079

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
PO BOX 6004	1 BAR ROAD AVENUE
SAN RAMON CA 94583	HASTINGS ON HUDSON NY 10706
4. Phone ( ) [illegible]	6. Phone ( ) 914 478 2480

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone

10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone

13. Designated T/S/D Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone
CONSOLIDATED [illegible]		610 [illegible] 6844
420 QUARRY ROAD		
MORGANTOWN PA 19543		

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL/DEBRIS	5001 10 19425	1		(est.) 20	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Mark Smith	[signature]	01	04	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Joel Suter	[signature]	01	04	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

ALLIED WASTE

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

0297080

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
4. Phone ( )	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone
13. Designated T/S/D Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a.					
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

SFSP - M-3L-11

ALLIED WASTE

NON-HAZARDOUS WASTE MANIFEST

0297081

Please Print or Type

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
PO BOX 6000	1 PARKWAY AVENUE
SAN RAMON CA 94583	HARRISBURG PA 17109
4. Phone ( ) (925) 842-5931	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
J&D Trucking	NJR000029967	856 691 5145
10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone
13. Designated T/S/D Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone
CONESTOGA LANDFILL		
420 QUARRY ROAD		
MORGANTOWN PA 19543		

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL/DEBRIS	5081 18 19425	1		(est) 23	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	01	04	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
CALVIN MANLEY	Calvin Manley	1	4	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

ALLIED WASTE

NON-HAZARDOUS WASTE MANIFEST

0297082

Please print or type.

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
PO BOX [illegible]	[illegible]
SAN RAMON CA 94583	[illegible]
4. Phone ( ) [illegible]	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
10. Transporter #2 Company Name	**11. US EPA ID Number**	**12. Transporter #2's Phone**
13. Designated T/S/D Facility Name and Site Address	**14. US EPA ID Number**	**15. Facility's Phone**
[illegible]		[illegible]
420 QUARRY ROAD		
WASHINGTONVILLE PA 17884		

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOILDEBRIS	5081 10 19425	1		(est) 29	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
		02	04	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
BILL [illegible]	[illegible]	02	04	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

SFSP. M. Stella

ALLIED WASTE

Please print or type

NON-HAZARDOUS WASTE MANIFEST

0297083

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
PO BOX 6004	1 PARK ROAD AVENUE
SAN RAMON CA 94583	WASHINGTON CROSSING PA 18977
4. Phone ( ) (925) 812-5811	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
STD TRUCKING #1	NJR000027967	856-691-5145
10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone
13. Designated T/S/D Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone
CONESTOGA LANDFILL		610 326 4644
420 QUARRY ROAD		
MORGANTOWN PA 19543		

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL/DEBRIS	3081 16 19425	1	DT	(est.) 30	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	01	09	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
DAVID H. BRUCH JR.	[signature]	01	09	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

Sep - M St 11

ALLIED WASTE

Please print or type

NON-HAZARDOUS WASTE MANIFEST

0297084

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
4. Phone ( ) [illegible]	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
J+D tracking	[illegible]	856-09[illegible]
10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone

13. Designated T/S/D Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone
[illegible] 420 QUARRY ROAD [illegible]		[illegible]

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOILBEDDING	[illegible]	1	DT	20 (est.)	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
		01	11	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Matt Bodaf		01	11	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

ALLIED WASTE

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

0297085

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
4. Phone ( ) [illegible]	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
JD Trucks		856-691-3145
10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone
13. Designated T/S/D Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone
[illegible]		[illegible]

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL/DEBRIS	5081 18 19425	1	CT	30 (est.)	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	01	03	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Thomas Hiles	[illegible]	1	5	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

SFCP-M.SL-1b

ALLIED WASTE

Please print or type

NON-HAZARDOUS WASTE MANIFEST

0297086

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
4. Phone ( ) [illegible]	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone

10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone

13. Designated T/S/D Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone
[illegible]		

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL/DEBRIS	[illegible]	1	DT	(net) 32	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
		01	05	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Greg Caldwell		01	05	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

SFSP - M-31-11a

ALLIED WASTE

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

0297087

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
PO BOX 6004	1 RAILROAD AVENUE
SAN RAMON CA 94583	HASTINGS ON HUDSON NY 10706
4. Phone ( ) (925) 867-5151	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone

10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone

13. Designated T/S/D Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone
CONESTOGA LANDFILL		717 768 8444
420 QUARRY ROAD		
MORGANTOWN PA 19543		

	16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a.	CONTAMINATED SOIL/DEBRIS	5081 10 19425	1	DT	39 (est.)	T
b.						
c.						
d.						

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	11	05	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]			

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

CFSP - M.S.W.

ALLIED WASTE

NON-HAZARDOUS WASTE MANIFEST

0297088

Please print or type.

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
4. Phone ( ) [illegible]	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
J & D	NJR000029967	856 691 5145
10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone

13. Designated T/S/D Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone
[illegible]		

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL/DEBRIS	[illegible]	1	DT	(est.) 33	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
		01	[illegible]	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
GEORGE MILES		01	05	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

ALLIED WASTE

NON-HAZARDOUS WASTE MANIFEST

0297089

Please print or type.

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
4. Phone ( ) [illegible]	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone

10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone

13. Designated T/S/D Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone
CONESTOGA LANDFILL 420 QUARRY ROAD MORGANTOWN PA 19543		

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL/DEBRIS	3001 19 19425	1	DT	(est) 20	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
		01	05	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Eric Carlson 2		01	5	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

ALLIED WASTE

NON-HAZARDOUS WASTE MANIFEST

0297090

Please print or type

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
4. Phone ( )	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
[illegible]	[illegible]	
10. Transporter #2 Company Name	**11. US EPA ID Number**	**12. Transporter #2's Phone**
13. Designated T/S/D Facility Name and Site Address	**14. US EPA ID Number**	**15. Facility's Phone**
[illegible]		

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOILDEBRIS	[illegible]	1	DT	(est.) 20	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	01	15	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	1	5	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

SFSP. M. Shell

ALLIED WASTE

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

0297091

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
PO BOX 6004	1 RAILROAD AVENUE
SAN RAMON CA 94583	HASTINGS ON HUDSON NY 10706
4. Phone ( ) (925) 812 5833	6. Phone ( ) Hastings 760

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
SJ Recycling	USA Transporter	
10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone
13. Designated T/S/D Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone
[illegible]		[illegible]
420 QUARRY ROAD		
MORGANTOWN PA 19543		

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL DEBRIS	5081 IN 19425	1	DT	20 (est.)	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Mark Sabol	[signature]	01	05	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Eric Kral	[signature]	01	05	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

SFSP-M,SH-11a

ALLIED WASTE

Please print or type

NON-HAZARDOUS WASTE MANIFEST

0297092

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
PO BOX [illegible]	[illegible]
SAN RAMON CA 9458[illegible]	HASTINGS CALIFORNIA RT [illegible]
4. Phone ( ) (925) 817 5831	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
10. Transporter #2 Company Name	**11. US EPA ID Number**	**12. Transporter #2's Phone**
13. Designated T/S/D Facility Name and Site Address	**14. US EPA ID Number**	**15. Facility's Phone**
[illegible]		[illegible]
426 QUARRY ROAD		
MARTINEZ CA 9455[illegible]		

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOILDEBRIS	5481 10 19425	1	DT	(est) 25	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	01	06	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Subha [illegible]	[illegible]	01	06	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM060033

REV 08/09

AW-F15

ALLIED WASTE

NON-HAZARDOUS WASTE MANIFEST

0297093

Please print or type.

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
4. Phone ( ) [illegible]	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
10. Transporter #2 Company Name	**11. US EPA ID Number**	**12. Transporter #2's Phone**
13. Designated T/S/D Facility Name and Site Address	**14. US EPA ID Number**	**15. Facility's Phone**
[illegible]		[illegible]

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL/DEBRIS	SNBI 19 19425	1	DT	30	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	01	11	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	01	06	11

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

SFSP - M. Stella

ALLIED WASTE

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

0297094

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
4. Phone ( ) [illegible]	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
J.D. Trucking		856-691-5145
10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone
13. Designated T/S/D Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone
[illegible]		[illegible]

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOILS/DEBRIS	[illegible]	1	DT	(est.) 22	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	01	16	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	1	16	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

ALLIED WASTE

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

0297095

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
4. Phone ( ) [illegible]	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
J&D	NJRCOOC5967	856 691 5145
10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone
13. Designated T/S/D Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone
[illegible]		[illegible]

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL/DEBRIS	5081 18 19425	1	DT	(est.) 30	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
MARK [illegible]	[signature]	01	06	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
G. MILES	[signature]	1	6	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

ALLIED WASTE

SFSF - Mitchell

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

0297096

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
P.O. Box [illegible]	[illegible]
SAN RAMON, CA 94583	[illegible]
4. Phone ( ) (925) 812 [illegible]	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
10. Transporter #2 Company Name	**11. US EPA ID Number**	**12. Transporter #2's Phone**
13. Designated T/S/D Facility Name and Site Address	**14. US EPA ID Number**	**15. Facility's Phone**
[illegible]		[illegible]
420 QUARRY ROAD		
MORRISTOWN PA 19405		

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL/DEBRIS	SAB1 IR 19425	1	DT	(est.) 20	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	01	06	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	01	06	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

Sep-NSH-16

ALLIED WASTE

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

0297097

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
CHEVRON ENVIRONMENTAL MANAGEMENT CO PO BOX 6004 SAN RAMON CA 94583 4. Phone ( ) (925) 842-9511	CHEVRON ENVIRONMENTAL MANAGEMENT CO 1 RAILROAD AVENUE HASTINGS ON HUDSON NY 10706 6. Phone ( ) 914-478-2600

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
10. Transporter #2 Company Name	**11. US EPA ID Number**	**12. Transporter #2's Phone**
13. Designated T/S/D Facility Name and Site Address	**14. US EPA ID Number**	**15. Facility's Phone**
CONESTOGA LANDFILL 420 QUARRY ROAD MORGANTOWN PA 19543		(610) 286-8964

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers		19. Total Quantity	20. Unit Wt/Vol
		No.	Type		
a. CONTAMINATED SOILDEBRIS	5061 10 19425	1	CT	(est.) 22	T
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Mario Grillo		1	17	17

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Wayne Quinn		1	17	17

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

ALLIED WASTE

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

0297098

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
4. Phone ( ) [illegible]	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
10. Transporter #2 Company Name	**11. US EPA ID Number**	**12. Transporter #2's Phone**
13. Designated T/S/D Facility Name and Site Address	**14. US EPA ID Number**	**15. Facility's Phone**
[illegible]		[illegible]

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. [illegible]	[illegible]				
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	1	19	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Monte WISE	Monte Wise	01	19	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

ALLIED WASTE

Please print or type

NON-HAZARDOUS WASTE MANIFEST

0297099

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
4. Phone ( )	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
10. Transporter #2 Company Name	**11. US EPA ID Number**	**12. Transporter #2's Phone**
13. Designated T/S/D Facility Name and Site Address	**14. US EPA ID Number**	**15. Facility's Phone**
[illegible]		

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL/DEBRIS	5081 16 19425				
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
		1	14	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
MERT Trucking Inc. 93				

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Kenan Lyon		1	14	11

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000039

REV 08/09

AW-F15

ALLIED WASTE

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

0297100

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
PO BOX [illegible]	1 QUARRY ROAD
SAN RAMON CA [illegible]	HARRISON TOWNSHIP PA [illegible]
4. Phone ( ) [illegible]	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone

10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone

13. Designated T/S/D Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone
[illegible]		[illegible]
426 QUARRY ROAD		
HARRISONTOWN PA [illegible]		

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL/DEBRIS	5001 19 19425				
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
		1	19	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[illegible]	1	19	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

CQM000033

REV 08/09

AW-F15

ALLIED WASTE

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

0297101

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
CHEVRON ENVIRONMENTAL MANAGEMENT CO PO BOX 4004 SAN RAMON CA 94583 4. Phone ( ) (925) 842 3931	CHEVRON ENVIRONMENTAL MANAGEMENT CO 1 PAN ROAD AVENUE (BASEMENT OF ARMORY BLDG) 6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
JD MoM 5		(609) 362 30 74
10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone
13. Designated T/S/D Facility Name and Site Address COMBUSTION ENGINEERING 420 QUARRY ROAD MORGANTOWN PA 19543	14. US EPA ID Number	15. Facility's Phone 610 286 4844

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL DEBRIS	3681 14 19425				
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	1	14	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	01	19	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

ALLIED WASTE

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

0297102

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
4. Phone ( ) [illegible]	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
10. Transporter #2 Company Name	**11. US EPA ID Number**	**12. Transporter #2's Phone**
13. Designated T/S/D Facility Name and Site Address	**14. US EPA ID Number**	**15. Facility's Phone**
[illegible] 400 QUARRY ROAD MORGANTOWN PA 19543		[illegible]

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL/DEBRIS	5891 10 19425				
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
MARK STOLA		1	13	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

ALLIED WASTE

NON-HAZARDOUS WASTE MANIFEST

0297103

Please print or type.

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
CHEVRON ENVIRONMENTAL MANAGEMENT CO PO BOX 6004 SAN RAMON CA 94583 4. Phone ( ) (925) 842-5931	CHEVRON ENVIRONMENTAL MANAGEMENT CO 1 PAD ROAD AVELLO WASHINGTON BOROUGH PA 15301 6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
Hall Trucking #3		
10. Transporter #2 Company Name	**11. US EPA ID Number**	**12. Transporter #2's Phone**
13. Designated T/S/D Facility Name and Site Address	**14. US EPA ID Number**	**15. Facility's Phone**
CONSOL COAL #1 420 QUARRY ROAD MORGANTOWN PA 19543		(610) 288-6444

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL/DEBRIS	SAN1 10 19425				
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Mark Stella		7	17	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Mustafa Bader		7	17	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

ALLIED WASTE

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

0297129

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
CHEVRON ENVIRONMENTAL MANAGEMENT CO PO BOX 6004 SAN RAMON CA 94583 4. Phone ( ) (925) 842-5831	CHEVRON ENVIRONMENTAL MANAGEMENT CO 1 PARK PLAZA AVENUE WASHINGTON BOROUGH PA 17582 6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
10. Transporter #2 Company Name	**11. US EPA ID Number**	**12. Transporter #2's Phone**
13. Designated T/S/D Facility Name and Site Address	**14. US EPA ID Number**	**15. Facility's Phone**
CONESTOGA LANDFILL 420 QUARRY ROAD MORGANTOWN PA 19543		(610) 286-6644

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL/DEBRIS	5081 18 19425				
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
		1	20	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Amadis Alvarado	Amadis Alvarado 304	1	20	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

ALLIED WASTE

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

0297130

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
4. Phone ( )	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone
13. Designated T/S/D Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a.					
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

ALLIED WASTE

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

0297126

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
CHEVRON ENVIRONMENTAL MANAGEMENT CO PO BOX 4004 SAN RAMON CA 94583 4. Phone ( ) (925) 842-9561	CHEVRON ENVIRONMENTAL MANAGEMENT CO 1 PARK ROAD AVENUE WASHINGTON BOROUGH NJ 07882 6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone
13. Designated T/S/D Facility Name and Site Address COMMONWEALTH LANDFILL 420 QUARRY ROAD MORGANTOWN PA 19543	14. US EPA ID Number	15. Facility's Phone (610) 286-4541

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL DEBRIS	5001 10 19425				
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
		2	1	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

TRUCK #84 JTD

ALLIED WASTE

Please print or type

NON-HAZARDOUS WASTE MANIFEST

0297127

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
CHEVRON ENVIRONMENTAL MANAGEMENT CO PO BOX 6004 SAN RAMON CA 94583 4. Phone ( ) (925) 842-9301	CHEVRON ENVIRONMENTAL MANAGEMENT CO 1 PARADISE AVENUE HASTINGS ON HUDSON NY 10706 6. Phone ( ) 914-478-1400

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
10. Transporter #2 Company Name	**11. US EPA ID Number**	**12. Transporter #2's Phone**
13. Designated T/S/D Facility Name and Site Address	**14. US EPA ID Number**	**15. Facility's Phone**
CONESTOGA LANDFILL 420 QUARRY ROAD MORGANTOWN PA 19543		(610) 286-6644

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL/DEBRIS	5081 10 13425				
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]	[signature]	2	1	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Curtis Langlois	[signature]	2	1	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

ALLIED WASTE

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

0297128

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
CHEVRON ENVIRONMENTAL MANAGEMENT CO PO BOX 6004 SAN RAMON CA 94583 4. Phone ( ) (925) 842-5691	CHEVRON ENVIRONMENTAL MANAGEMENT CO 1 PARADISE AVENUE HAVERSTRAW NY 10927 6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
10. Transporter #2 Company Name	**11. US EPA ID Number**	**12. Transporter #2's Phone**
13. Designated T/S/D Facility Name and Site Address	**14. US EPA ID Number**	**15. Facility's Phone**
CLEAN HARBORS LAPORTE 420 QUARRY ROAD MORGANTOWN PA 19543		(610) 286-6644

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL/DEBRIS	5051 10 19125				
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
		2	1	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
				11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

ALLIED WASTE

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

0297125

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
[illegible]	[illegible]
4. Phone ( ) [illegible]	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
[illegible]	VS NTR 0000 9967	856-691-5145
10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone
13. Designated T/S/D Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone
[illegible]		[illegible]

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL/DEBRIS	[illegible]				
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
[illegible]		2	3	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
Curtis Langlois	[signature]	2	3	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

ALLIED WASTE

Please print or type

NON-HAZARDOUS WASTE MANIFEST

0297124

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
4. Phone ( )	6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
J+D Trucking		
10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone
13. Designated T/S/D Facility Name and Site Address	14. US EPA ID Number	15. Facility's Phone

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a.					
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
		2	3	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		2	3	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

ALLIED WASTE

Please print or type.

NON-HAZARDOUS WASTE MANIFEST

0297123

1. Generator's US EPA ID Number	Manifest Document Number	2. Page 1 of

GENERATOR

3. Generator's Name and Mailing Address	5. Generating Location (if different)
CHEVRON ENVIRONMENTAL MANAGEMENT CO PO BOX 4054 SAN RAMON CA 94583 4. Phone ( ) (925) 842-9321	CHEVRON ENVIRONMENTAL MANAGEMENT CO 1 PARK ROAD AVENUE HANNIBAL OH 43938 6. Phone ( )

7. Transporter #1 Company Name	8. US EPA ID Number	9. Transporter #1's Phone
D L Trucking	UNKNOWN	Not Known
10. Transporter #2 Company Name	11. US EPA ID Number	12. Transporter #2's Phone
13. Designated T/S/D Facility Name and Site Address CONESTOGA LANDFILL 420 QUARRY ROAD MORGANTOWN PA 19543	14. US EPA ID Number	15. Facility's Phone 610 286 4541

16. Waste Shipping Name and Description	17. Allied Waste Approval # and Exp. Date	18. Containers No.	18. Containers Type	19. Total Quantity	20. Unit Wt/Vol
a. CONTAMINATED SOIL/DEBRIS	5981 10 19425				
b.					
c.					
d.					

21. Additional Descriptions for Materials Listed Above

22. Special Handling Instructions and Additional Information

23. **GENERATOR'S CERTIFICATION:** I certify the materials described on this manifest are not subject to federal regulations for reporting proper disposal of Hazardous Waste.

Printed/Typed Name	Signature	Month	Day	Year
Mark Smith		2	23	11

TRANSPORTER

24. **Transporter #1:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year
		2	23	11

25. **Transporter #2:** Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Month	Day	Year

T/S/D FACILITY

26. Discrepancy Indication Space

27. **Facility Owner or Operator:** Certification of receipt of waste materials covered by this manifest (except as noted in Item 19)

Printed/Typed Name	Signature	Month	Day	Year

GENERATOR'S COPY

COM000033

REV 08/09

AW-F15

Waste Management - Model City, NY

Arrived Date	Profile Number	Name	Manifest Number	Doc Line	Receipt Number	SUM(Qty in lbs)
4/25/11	NY301960	CHEVRON PRODUCTS CO	0HOH420111	1	081644436	21,480
4/25/11	NY301960	CHEVRON PRODUCTS CO	0HOH420113	1	081644442	33,040
4/25/11	NY301960	CHEVRON PRODUCTS CO	0HOH420114	1	081644449	32,460
4/25/11	NY301960	CHEVRON PRODUCTS CO	0HOH420115	1	081644454	31,860
4/25/11	NY301960	CHEVRON PRODUCTS CO	0HOH420112	1	081644457	25,920
					Total Pounds	144,760
					Total Tons	**72.38**

ZZ00286726

Inbound Date 07-18-11
Inbound Time 08:00:39
Outbound Date 07-18-11
Outbound Time 10:05:54
ID # 2000

Gross 76520 lb
Tare 42820 lb
Net 33700 lb

Chevron
~~38.7541~~
Pit 3
38.7541

ZZ00286724

Inbound Date 07-18-11
Inbound Time 07:24:25
Outbound Date 07-18-11
Outbound Time 10:34:06
ID # 1495

Gross 69220 lb
Tare 43680 lb
Net 25540 lb

Chevron
38.7539
Pit 3

Chevron
38.7760

Inbound Date 07-22-11
Inbound Time 07:14:20
Outbound Date 07-22-11
Outbound Time 11:22:49
ID # 9

Gross 63300 lb
Tare 42960 lb
Net 20340 lb

Pit 4

ZZ00286729

Chevron
38.7761

Inbound Date 07-22-11
Inbound Time 07:15:47
Outbound Date 07-22-11
Outbound Time 11:23:55
ID # 1490

Gross 62520 lb
Tare 42960 lb
Net 19360 lb

Pit 2

ZZ00286730

Chevron
38.7762

Inbound Date 07-22-11
Inbound Time 07:17:01
Outbound Date 07-22-11
Outbound Time 11:21:48
ID # 1496

Gross 66260 lb
Tare 42700 lb
Net 23560 lb

Pit 4

ZZ00286728

ZZ00286725

Inbound Date 07-18-11
Inbound Time 08:05:47
Outbound Date 07-18-11
Outbound Time 10:03:44
ID # 1499

Gross 62140 lb
Tare 42980 lb
Net 19160 lb

Chevron
38.7540
p#1

ZZ00286727

Pit 2

Chevron
38.7759

Inbound Date 07-22-11
Inbound Time 07:15:26
Outbound Date 07-22-11
Outbound Time 11:20:48
ID # 1492

Gross 66740 lb
Tare 42680 lb
Net 24060 lb

APPENDIX C

CAMP Data and Riverview Park Baseline VOC Laboratory Analytical Reports

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 012786
User ID: 00000000 Site ID: 00000004
Data Points: 21 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/12/2010 11:51

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	11/17/2010 8:53	0		0		0	
2	11/17/2010 9:08	0		0		0	
3	11/17/2010 9:23	0		0		0	
4	11/17/2010 9:38	0		0		0	
5	11/17/2010 9:53	0		0		0	
6	11/17/2010 10:08	0		0		0	
7	11/17/2010 10:23	0		0		0	
8	11/17/2010 10:38	0		0		0	
9	11/17/2010 10:53	0		0		0	
10	11/17/2010 11:08	0		0		0	
11	11/17/2010 11:23	0		0		0	
12	11/17/2010 11:38	0		0		0	
13	11/17/2010 11:53	0		0		0	
14	11/17/2010 12:08	0		0		0	
15	11/17/2010 12:23	0		0		0	
16	11/17/2010 12:38	0		0		0	
17	11/17/2010 12:53	0		0		0	
18	11/17/2010 13:08	0		0		0	
19	11/17/2010 13:23	0		0		0	
20	11/17/2010 13:38	0		0		0	
21	11/17/2010 13:53	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 012786
User ID: 00000000 Site ID: 00000005
Data Points: 28 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/12/2010 11:51

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	11/18/2010 8:48	0		0		0	
2	11/18/2010 9:03	0		0		0	
3	11/18/2010 9:18	0		0		0	
4	11/18/2010 9:33	0		0		0	
5	11/18/2010 9:48	0		0		0	
6	11/18/2010 10:03	0		0		0	
7	11/18/2010 10:18	0		0		0	
8	11/18/2010 10:33	0		0		0	
9	11/18/2010 10:48	0		0		0	
10	11/18/2010 11:03	0		0		0	
11	11/18/2010 11:18	0		0		0	
12	11/18/2010 11:33	0		0		0	
13	11/18/2010 11:48	0		0		0	
14	11/18/2010 12:03	0		0		0	
15	11/18/2010 12:18	0		0		0	
16	11/18/2010 12:33	0		0		0	
17	11/18/2010 12:48	0		0		0	
18	11/18/2010 13:03	0		0		0	
19	11/18/2010 13:18	0		0		0	
20	11/18/2010 13:33	0		0		0	
21	11/18/2010 13:48	0		0		0	
22	11/18/2010 14:03	0		0		0	
23	11/18/2010 14:18	0		0		0	
24	11/18/2010 14:33	0		0		0	
25	11/18/2010 14:48	0		0		0	
26	11/18/2010 15:03	0		0		0	
27	11/18/2010 15:18	0		0		0	
28	11/18/2010 15:33	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 012786
User ID: 00000000 Site ID: 00000006
Data Points: 17 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/12/2010 11:51

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	11/19/2010 7:46	0		0		0	
2	11/19/2010 8:01	0		0		0	
3	11/19/2010 8:16	0		0		0	
4	11/19/2010 8:31	0		0		0	
5	11/19/2010 8:46	0		0		0	
6	11/19/2010 9:01	0		0		0	
7	11/19/2010 9:16	0		0		0	
8	11/19/2010 9:31	0		0		0	
9	11/19/2010 9:46	0		0		0	
10	11/19/2010 10:01	0		0		0	
11	11/19/2010 10:16	0		0		0	
12	11/19/2010 10:31	0		0		0	
13	11/19/2010 10:46	0		0		0	
14	11/19/2010 11:01	0		0		0	
15	11/19/2010 11:16	0		0		0	
16	11/19/2010 11:31	0		0		0	
17	11/19/2010 11:46	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 012786
User ID: 00000000 Site ID: 00000007
Data Points: 31 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/12/2010 11:51

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	11/22/2010 7:57	0		0		0	
2	11/22/2010 8:12	0		0		0	
3	11/22/2010 8:27	0		0		0	
4	11/22/2010 8:42	0		0		0	
5	11/22/2010 8:57	0		0		0	
6	11/22/2010 9:12	0		0		0	
7	11/22/2010 9:27	0		0		0	
8	11/22/2010 9:42	0		0		0	
9	11/22/2010 9:57	0		0		0	
10	11/22/2010 10:12	0		0		0	
11	11/22/2010 10:27	0		0		0	
12	11/22/2010 10:42	0		0		0	
13	11/22/2010 10:57	0		0		0	
14	11/22/2010 11:12	0		0		0	
15	11/22/2010 11:27	0		0		0	
16	11/22/2010 11:42	0		0		0	
17	11/22/2010 11:57	0		0		0	
18	11/22/2010 12:12	0		0		0	
19	11/22/2010 12:27	0		0		0	
20	11/22/2010 12:42	0		0		0	
21	11/22/2010 12:57	0		0		0	
22	11/22/2010 13:12	0		0		0	
23	11/22/2010 13:27	0		0		0	
24	11/22/2010 13:42	0		0		0	
25	11/22/2010 13:57	0		0		0	
26	11/22/2010 14:12	0		0		0	
27	11/22/2010 14:27	0		0		0	
28	11/22/2010 14:42	0		0		0	
29	11/22/2010 14:57	0		0		0	
30	11/22/2010 15:12	0		0		0	
31	11/22/2010 15:27	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 012786
User ID: 00000000 Site ID: 00000008
Data Points: 16 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/12/2010 11:51

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	11/23/2010 7:45	0		0		0	
2	11/23/2010 8:00	0		0		0	
3	11/23/2010 8:15	0		0		0	
4	11/23/2010 8:30	0		0		0	
5	11/23/2010 8:45	0		0		0	
6	11/23/2010 9:00	0		0		0	
7	11/23/2010 9:15	0		0		0	
8	11/23/2010 9:30	0		0		0	
9	11/23/2010 9:45	0		0		0	
10	11/23/2010 10:00	0		0		0	
11	11/23/2010 10:15	0		0		0	
12	11/23/2010 10:30	0		0		0	
13	11/23/2010 10:45	0		0		0	
14	11/23/2010 11:00	0		0		0	
15	11/23/2010 11:15	0		0		0	
16	11/23/2010 11:30	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 012786
User ID: 00000000 Site ID: 00000006
Data Points: 33 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/12/2010 11:51

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	12/2/2010 8:58	0		0		0	
2	12/2/2010 9:13	0		0		0	
3	12/2/2010 9:28	0		0		0	
4	12/2/2010 9:43	0		0		0	
5	12/2/2010 9:58	0		0		0	
6	12/2/2010 10:13	0		0		0	
7	12/2/2010 10:28	0		0		0	
8	12/2/2010 10:43	0		0		0	
9	12/2/2010 10:58	0		0		0	
10	12/2/2010 11:13	0		0		0	
11	12/2/2010 11:28	0		0		0	
12	12/2/2010 11:43	0		0		0	
13	12/2/2010 11:58	0		0		0	
14	12/2/2010 12:13	0		0		0	
15	12/2/2010 12:28	0		0		0	
16	12/2/2010 12:43	0		0		0	
17	12/2/2010 12:58	0		0		0	
18	12/2/2010 13:13	0		0		0	
19	12/2/2010 13:28	0		0		0	
20	12/2/2010 13:43	0		0		0	
21	12/2/2010 13:58	0		0		0	
22	12/2/2010 14:13	0		0		0	
23	12/2/2010 14:28	0		0		0	
24	12/2/2010 14:43	0		0		0	
25	12/2/2010 14:58	0		0		0	
26	12/2/2010 15:13	0		0		0	
27	12/2/2010 15:28	0		0		0	
28	12/2/2010 15:43	0		0		0	
29	12/2/2010 15:58	0		0		0	
30	12/2/2010 16:13	0		0		0	
31	12/2/2010 16:28	0		0		0	
32	12/2/2010 16:43	0		0		0	
33	12/2/2010 16:58	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 012786
User ID: 00000000 Site ID: 00000007
Data Points: 14 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/12/2010 11:51

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	12/3/2010 8:35	0		0		0	
2	12/3/2010 8:50	0		0		0	
3	12/3/2010 9:05	0		0		0	
4	12/3/2010 9:20	0		0		0	
5	12/3/2010 9:35	0		0		0	
6	12/3/2010 9:50	0		0		0	
7	12/3/2010 10:05	0		0		0	
8	12/3/2010 10:20	0		0		0	
9	12/3/2010 10:35	0		0		0	
10	12/3/2010 10:50	0		0		0	
11	12/3/2010 11:05	0		0		0	
12	12/3/2010 11:20	0		0		0	
13	12/3/2010 11:35	0		0		0	
14	12/3/2010 11:50	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 013412
User ID: 00000000 Site ID: 00000015
Data Points: 30 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 12/10/2010 16:38

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	12/15/2010 9:29	0.2		0.2		0.3	
2	12/15/2010 9:44	0		0.2		0.7	
3	12/15/2010 9:59	0.1		0.2		0.4	
4	12/15/2010 10:14	0		0.2		1.1	
5	12/15/2010 10:29	0.1		0.2		0.8	
6	12/15/2010 10:44	0.2		0.2		0.3	
7	12/15/2010 10:59	0.2		0.2		0.3	
8	12/15/2010 11:14	0.2		0.2		0.3	
9	12/15/2010 11:29	0.2		0.2		0.3	
10	12/15/2010 11:44	0.2		0.2		0.3	
11	12/15/2010 11:59	0.2		0.2		0.3	
12	12/15/2010 12:14	0.2		0.2		0.3	
13	12/15/2010 12:29	0.2		0.2		0.3	
14	12/15/2010 12:44	0.2		0.2		0.3	
15	12/15/2010 12:59	0.2		0.2		0.3	
16	12/15/2010 13:14	0.2		0.2		0.3	
17	12/15/2010 13:29	0.2		0.2		0.3	
18	12/15/2010 13:44	0.2		0.2		0.3	
19	12/15/2010 13:59	0.2		0.2		0.3	
20	12/15/2010 14:14	0.2		0.2		0.3	
21	12/15/2010 14:29	0.2		0.2		0.3	
22	12/15/2010 14:44	0.2		0.2		0.3	
23	12/15/2010 14:59	0.2		0.2		0.3	
24	12/15/2010 15:14	0.2		0.2		0.3	
25	12/15/2010 15:29	0.2		0.2		0.3	
26	12/15/2010 15:44	0.2		0.2		0.3	
27	12/15/2010 15:59	0.2		0.2		0.3	
28	12/15/2010 16:14	0.2		0.2		0.3	
29	12/15/2010 16:29	0.2		0.2		0.3	
30	12/15/2010 16:44	0.2		0.2		0.3	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 013412
User ID: 00000000 Site ID: 00000017
Data Points: 8 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 12/10/2010 16:38

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	12/16/2010 7:31	0		0		0	
2	12/16/2010 7:46	0		0		0	
3	12/16/2010 8:01	0		0		0	
4	12/16/2010 8:16	0		0		0	
5	12/16/2010 8:31	0		0		0	
6	12/16/2010 8:46	0		0		0	
7	12/16/2010 9:01	0		0		0	
8	12/16/2010 9:16	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 013412
User ID: 00000000 Site ID: 00000003
Data Points: 13 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 12/22/2010 11:51

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	1/4/2011 8:24	0		0		0	
2	1/4/2011 8:39	0		0		0	
3	1/4/2011 8:54	0		0		0	
4	1/4/2011 9:09	0		0		0	
5	1/4/2011 9:24	0		0		0	
6	1/4/2011 9:39	0		0		0	
7	1/4/2011 9:54	0		0		0	
8	1/4/2011 10:09	0		0		0	
9	1/4/2011 10:24	0		0		0	
10	1/4/2011 10:39	0		0		0	
11	1/4/2011 10:54	0		0		0	
12	1/4/2011 11:09	0		0		0	
13	1/4/2011 11:24	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 013412
User ID: 00000000 Site ID: 00000004
Data Points: 37 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 12/22/2010 11:51

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	1/5/2011 7:19	0		0		0	
2	1/5/2011 7:34	0		0		0	
3	1/5/2011 7:49	0		0		0	
4	1/5/2011 8:04	0		0		0	
5	1/5/2011 8:19	0		0		0	
6	1/5/2011 8:34	0		0		0	
7	1/5/2011 8:49	0		0		0	
8	1/5/2011 9:04	0		0		0	
9	1/5/2011 9:19	0		0		0	
10	1/5/2011 9:34	0		0		0	
11	1/5/2011 9:49	0		0		0	
12	1/5/2011 10:04	0		0		0	
13	1/5/2011 10:19	0		0		0	
14	1/5/2011 10:34	0		0		0	
15	1/5/2011 10:49	0		0		0	
16	1/5/2011 11:04	0		0		0	
17	1/5/2011 11:19	0		0		0	
18	1/5/2011 11:34	0		0		0	
19	1/5/2011 11:49	0		0		0	
20	1/5/2011 12:04	0		0		0	
21	1/5/2011 12:19	0		0		0	
22	1/5/2011 12:34	0		0		0	
23	1/5/2011 12:49	0		0		0	
24	1/5/2011 13:04	0		0		0	
25	1/5/2011 13:19	0		0		0	
26	1/5/2011 13:34	0		0		0	
27	1/5/2011 13:49	0		0		0	
28	1/5/2011 14:04	0		0		0	
29	1/5/2011 14:19	0		0		0	
30	1/5/2011 14:34	0		0		0	
31	1/5/2011 14:49	0		0		0	
32	1/5/2011 15:04	0		0		0	
33	1/5/2011 15:19	0		0		0	
34	1/5/2011 15:34	0		0		0	
35	1/5/2011 15:49	0		0		0	
36	1/5/2011 16:04	0		0		0	
37	1/5/2011 16:19	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 013412
User ID: 00000000 Site ID: 00000005
Data Points: 35 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 12/22/2010 11:51

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	1/6/2011 7:23	0		0		0	
2	1/6/2011 7:38	0		0		0	
3	1/6/2011 7:53	0		0		0	
4	1/6/2011 8:08	0		0		0	
5	1/6/2011 8:23	0		0		0	
6	1/6/2011 8:38	0		0		0	
7	1/6/2011 8:53	0		0		0	
8	1/6/2011 9:08	0		0		0	
9	1/6/2011 9:23	0		0		0	
10	1/6/2011 9:38	0		0		0	
11	1/6/2011 9:53	0		0		0	
12	1/6/2011 10:08	0		0		0	
13	1/6/2011 10:23	0		0		0	
14	1/6/2011 10:38	0		0		0	
15	1/6/2011 10:53	0		0		0	
16	1/6/2011 11:08	0		0		0	
17	1/6/2011 11:23	0		0		0	
18	1/6/2011 11:38	0		0		0	
19	1/6/2011 11:53	0		0		0	
20	1/6/2011 12:08	0		0		0	
21	1/6/2011 12:23	0		0		0	
22	1/6/2011 12:38	0		0		0	
23	1/6/2011 12:53	0		0		0	
24	1/6/2011 13:08	0		0		0	
25	1/6/2011 13:23	0		0		0	
26	1/6/2011 13:38	0		0		0	
27	1/6/2011 13:53	0		0		0	
28	1/6/2011 14:08	0		0		0	
29	1/6/2011 14:23	0		0		0	
30	1/6/2011 14:38	0		0		0	
31	1/6/2011 14:53	0		0		0	
32	1/6/2011 15:08	0		0		0	
33	1/6/2011 15:23	0		0		0	
34	1/6/2011 15:38	0		0		0	
35	1/6/2011 15:53	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 004137
User ID: 00000000 Site ID: 00000033
Data Points: 31 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/15/2010 09:19

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	11/17/2010 8:58	0		0		0	
2	11/17/2010 9:13	0		0		0	
3	11/17/2010 9:28	0		0		0	
4	11/17/2010 9:43	0		0		0	
5	11/17/2010 9:58	0		0		0	
6	11/17/2010 10:13	0		0		0	
7	11/17/2010 10:28	0		0		0	
8	11/17/2010 10:43	0		0		0	
9	11/17/2010 10:58	0		0		0	
10	11/17/2010 11:13	0		0		0	
11	11/17/2010 11:28	0		0		0	
12	11/17/2010 11:43	0		0		0	
13	11/17/2010 11:58	0		0		0	
14	11/17/2010 12:13	0		0		0	
15	11/17/2010 12:28	0		0		0	
16	11/17/2010 12:43	0		0		0	
17	11/17/2010 12:58	0		0		0	
18	11/17/2010 13:13	0		0		0	
19	11/17/2010 13:28	0		0		0	
20	11/17/2010 13:43	0		0		0	
21	11/17/2010 13:58	0		0		0	
22	11/17/2010 14:13	0		0		0	
23	11/17/2010 14:28	0		0		0	
24	11/17/2010 14:43	0		0		0	
25	11/17/2010 14:58	0		0		0	
26	11/17/2010 15:13	0		0		0	
27	11/17/2010 15:28	0		0		0	
28	11/17/2010 15:43	0		0		0	
29	11/17/2010 15:58	0		0		0	
30	11/17/2010 16:13	0		0		0	
31	11/17/2010 16:28	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 004137
User ID: 00000000 Site ID: 00000034
Data Points: 28 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/15/2010 09:19

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	11/18/2010 9:21	0		0		0	
2	11/18/2010 9:36	0		0		0	
3	11/18/2010 9:51	0		0		0	
4	11/18/2010 10:06	0		0		0	
5	11/18/2010 10:21	0		0		0	
6	11/18/2010 10:36	0		0		0	
7	11/18/2010 10:51	0		0		0	
8	11/18/2010 11:06	0		0		0	
9	11/18/2010 11:21	0		0		0	
10	11/18/2010 11:36	0		0		0	
11	11/18/2010 11:51	0		0		0	
12	11/18/2010 12:06	0		0		0	
13	11/18/2010 12:21	0		0		0	
14	11/18/2010 12:36	0		0		0	
15	11/18/2010 12:51	0		0		0	
16	11/18/2010 13:06	0		0		0	
17	11/18/2010 13:21	0		0		0	
18	11/18/2010 13:36	0		0		0	
19	11/18/2010 13:51	0		0		0	
20	11/18/2010 14:06	0		0		0	
21	11/18/2010 14:21	0		0		0	
22	11/18/2010 14:36	0		0		0	
23	11/18/2010 14:51	0		0		0	
24	11/18/2010 15:06	0		0		0	
25	11/18/2010 15:21	0		0		0	
26	11/18/2010 15:36	0		0		0	
27	11/18/2010 15:51	0		0		0	
28	11/18/2010 16:06	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 004137
User ID: 00000000 Site ID: 00000035
Data Points: 11 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/15/2010 09:19

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	11/19/2010 9:23	0		0		0	
2	11/19/2010 9:38	0		0		0	
3	11/19/2010 9:53	0		0		0	
4	11/19/2010 10:08	0		0		0	
5	11/19/2010 10:23	0		0		0	
6	11/19/2010 10:38	0		0		0	
7	11/19/2010 10:53	0		0		0	
8	11/19/2010 11:08	0		0		0	
9	11/19/2010 11:23	0		0		0	
10	11/19/2010 11:38	0		0		0	
11	11/19/2010 11:53	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 004137
User ID: 00000000 Site ID: 00000036
Data Points: 24 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/15/2010 09:19

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	11/22/2010 9:24	0		0		0	
2	11/22/2010 9:39	0		0		0	
3	11/22/2010 9:54	0		0		0	
4	11/22/2010 10:09	0		0		0	
5	11/22/2010 10:24	0		0		0	
6	11/22/2010 10:39	0		0		0	
7	11/22/2010 10:54	0		0		0	
8	11/22/2010 11:09	0		0		0	
9	11/22/2010 11:24	0		0		0	
10	11/22/2010 11:39	0		0		0	
11	11/22/2010 11:54	0		0		0	
12	11/22/2010 12:09	0		0		0	
13	11/22/2010 12:24	0		0		0	
14	11/22/2010 12:39	0		0		0	
15	11/22/2010 12:54	0		0		0	
16	11/22/2010 13:09	0		0		0	
17	11/22/2010 13:24	0		0		0	
18	11/22/2010 13:39	0		0		0	
19	11/22/2010 13:54	0		0		0	
20	11/22/2010 14:09	0		0		0	
21	11/22/2010 14:24	0		0		0	
22	11/22/2010 14:39	0		0		0	
23	11/22/2010 14:54	0		0		0	
24	11/22/2010 15:09	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 004137
User ID: 00000000 Site ID: 00000037
Data Points: 12 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/15/2010 09:19

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	11/23/2010 8:59	0		0		0	
2	11/23/2010 9:14	0		0		0	
3	11/23/2010 9:29	0		0		0	
4	11/23/2010 9:44	0		0		0	
5	11/23/2010 9:59	0		0		0	
6	11/23/2010 10:14	0		0		0	
7	11/23/2010 10:29	0		0		0	
8	11/23/2010 10:44	0		0		0	
9	11/23/2010 10:59	0		0		0	
10	11/23/2010 11:14	0		0		0	
11	11/23/2010 11:29	0		0		0	
12	11/23/2010 11:44	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 004137
User ID: 00000000 Site ID: 00000038
Data Points: 30 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/15/2010 09:19

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	12/2/2010 9:10	0		0		0	
2	12/2/2010 9:25	0		0		0	
3	12/2/2010 9:40	0		0		0	
4	12/2/2010 9:55	0		0		0	
5	12/2/2010 10:10	0		0		0	
6	12/2/2010 10:25	0		0		0	
7	12/2/2010 10:40	0		0		0	
8	12/2/2010 10:55	0		0		0	
9	12/2/2010 11:10	0		0		0	
10	12/2/2010 11:25	0		0		0	
11	12/2/2010 11:40	0		0		0	
12	12/2/2010 11:55	0		0		0	
13	12/2/2010 12:10	0		0		0	
14	12/2/2010 12:25	0		0		0	
15	12/2/2010 12:40	0		0		0	
16	12/2/2010 12:55	0		0		0	
17	12/2/2010 13:10	0		0		0	
18	12/2/2010 13:25	0		0		0	
19	12/2/2010 13:40	0		0		0	
20	12/2/2010 13:55	0		0		0	
21	12/2/2010 14:10	0		0		0	
22	12/2/2010 14:25	0		0		0	
23	12/2/2010 14:40	0		0		0	
24	12/2/2010 14:55	0		0		0	
25	12/2/2010 15:10	0		0		0	
26	12/2/2010 15:25	0		0		0	
27	12/2/2010 15:40	0		0		0	
28	12/2/2010 15:55	0		0		0	
29	12/2/2010 16:10	0		0		0	
30	12/2/2010 16:25	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 004137
User ID: 00000000 Site ID: 00000039
Data Points: 21 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/15/2010 09:19

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	12/3/2010 8:48	0		0		0	
2	12/3/2010 9:03	0		0		0	
3	12/3/2010 9:18	0		0		0	
4	12/3/2010 9:33	0		0		0	
5	12/3/2010 9:48	0		0		0	
6	12/3/2010 10:03	0		0		0	
7	12/3/2010 10:18	0		0		0	
8	12/3/2010 10:33	0		0		0	
9	12/3/2010 10:48	0		0		0	
10	12/3/2010 11:03	0		0		0	
11	12/3/2010 11:18	0		0		0	
12	12/3/2010 11:33	0		0		0	
13	12/3/2010 11:48	0		0		0	
14	12/3/2010 12:03	0		0		0	
15	12/3/2010 12:18	0		0		0	
16	12/3/2010 12:33	0		0		0	
17	12/3/2010 12:48	0		0		0	
18	12/3/2010 13:03	0		0		0	
19	12/3/2010 13:18	0		0		0	
20	12/3/2010 13:33	0		0		0	
21	12/3/2010 13:48	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 012786
User ID: 00000000 Site ID: 00000012
Data Points: 30 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 12/10/2010 17:03

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	12/15/2010 9:03	0		0		0	
2	12/15/2010 9:18	0		0		0	
3	12/15/2010 9:33	0		0		0	
4	12/15/2010 9:48	0		0		0	
5	12/15/2010 10:03	0		0		0	
6	12/15/2010 10:18	0		0		0	
7	12/15/2010 10:33	0		0		0	
8	12/15/2010 10:48	0		0		0	
9	12/15/2010 11:03	0		0		0	
10	12/15/2010 11:18	0		0		0	
11	12/15/2010 11:33	0		0		0	
12	12/15/2010 11:48	0		0		0	
13	12/15/2010 12:03	0		0		0	
14	12/15/2010 12:18	0		0		0	
15	12/15/2010 12:33	0		0		0	
16	12/15/2010 12:48	0		0		0	
17	12/15/2010 13:03	0		0		0	
18	12/15/2010 13:18	0		0		0	
19	12/15/2010 13:33	0		0		0	
20	12/15/2010 13:48	0		0		0	
21	12/15/2010 14:03	0		0		0	
22	12/15/2010 14:18	0		0		0	
23	12/15/2010 14:33	0		0		0	
24	12/15/2010 14:48	0		0		0	
25	12/15/2010 15:03	0		0		0	
26	12/15/2010 15:18	0		0		0	
27	12/15/2010 15:33	0		0		0	
28	12/15/2010 15:48	0		0		0	
29	12/15/2010 16:03	0		0		0	
30	12/15/2010 16:18	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 012786
User ID: 00000000 Site ID: 00000013
Data Points: 15 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 12/10/2010 17:03

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	12/16/2010 7:49	0		0		0	
2	12/16/2010 8:04	0		0		0	
3	12/16/2010 8:19	0		0		0	
4	12/16/2010 8:34	0		0		0	
5	12/16/2010 8:49	0		0		0	
6	12/16/2010 9:04	0		0		0	
7	12/16/2010 9:19	0		0		0	
8	12/16/2010 9:34	0		0		0	
9	12/16/2010 9:49	0		0		0	
10	12/16/2010 10:04	0		0		0	
11	12/16/2010 10:19	0		0		0	
12	12/16/2010 10:34	0		0		0	
13	12/16/2010 10:49	0		0		0	
14	12/16/2010 11:04	0		0		0	
15	12/16/2010 11:19	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 012786
User ID: 00000000 Site ID: 00000002
Data Points: 12 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 12/22/2010 11:53

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	1/4/2011 17:58	0		0		0	
2	1/4/2011 18:13	0		0		0	
3	1/4/2011 18:28	0		0		0	
4	1/4/2011 18:43	0		0		0	
5	1/4/2011 18:58	0		0		0	
6	1/4/2011 19:13	0		0		0	
7	1/4/2011 19:28	0		0		0	
8	1/4/2011 19:43	0		0		0	
9	1/4/2011 19:58	0		0		0	
10	1/4/2011 20:13	0		0		0	
11	1/4/2011 20:28	0		0		0	
12	1/4/2011 20:43	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 012786
User ID: 00000000 Site ID: 00000003
Data Points: 34 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 12/22/2010 11:53

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	1/5/2011 17:44	0		0		0	
2	1/5/2011 17:59	0		0		0	
3	1/5/2011 18:14	0		0		0	
4	1/5/2011 18:29	0		0		0	
5	1/5/2011 18:44	0		0		0	
6	1/5/2011 18:59	0		0		0	
7	1/5/2011 19:14	0		0		0	
8	1/5/2011 19:29	0		0		0	
9	1/5/2011 19:44	0		0		0	
10	1/5/2011 19:59	0		0		0	
11	1/5/2011 20:14	0		0		0	
12	1/5/2011 20:29	0		0		0	
13	1/5/2011 20:44	0		0		0	
14	1/5/2011 20:59	0		0		0	
15	1/5/2011 21:14	0		0		0	
16	1/5/2011 21:29	0		0		0	
17	1/5/2011 21:44	0		0		0	
18	1/5/2011 21:59	0		0		0	
19	1/5/2011 22:14	0		0		0	
20	1/5/2011 22:29	0		0		0	
21	1/5/2011 22:44	0		0		0	
22	1/5/2011 22:59	0		0		0	
23	1/5/2011 23:14	0		0		0	
24	1/5/2011 23:29	0		0		0	
25	1/5/2011 23:44	0		0		0	
26	1/5/2011 23:59	0		0		0	
27	1/6/2011 0:14	0		0		0	
28	1/6/2011 0:29	0		0		0	
29	1/6/2011 0:44	0		0		0	
30	1/6/2011 0:59	0		0		0	
31	1/6/2011 1:14	0		0		0	
32	1/6/2011 1:29	0		0		0	
33	1/6/2011 1:44	0		0		0	
34	1/6/2011 1:59	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 012786
User ID: 00000000 Site ID: 00000005
Data Points: 32 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 12/22/2010 11:53

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	1/6/2011 17:57	0		0		0	
2	1/6/2011 18:12	0		0		0	
3	1/6/2011 18:27	0		0		0	
4	1/6/2011 18:42	0		0		0	
5	1/6/2011 18:57	0		0		0	
6	1/6/2011 19:12	0		0		0	
7	1/6/2011 19:27	0		0		0	
8	1/6/2011 19:42	0		0		0	
9	1/6/2011 19:57	0		0		0	
10	1/6/2011 20:12	0		0		0	
11	1/6/2011 20:27	0		0		0	
12	1/6/2011 20:42	0		0		0	
13	1/6/2011 20:57	0		0		0	
14	1/6/2011 21:12	0		0		0	
15	1/6/2011 21:27	0		0		0	
16	1/6/2011 21:42	0		0		0	
17	1/6/2011 21:57	0		0		0	
18	1/6/2011 22:12	0		0		0	
19	1/6/2011 22:27	0		0		0	
20	1/6/2011 22:42	0		0		0	
21	1/6/2011 22:57	0		0		0	
22	1/6/2011 23:12	0		0		0	
23	1/6/2011 23:27	0		0		0	
24	1/6/2011 23:42	0		0		0	
25	1/6/2011 23:57	0		0		0	
26	1/7/2011 0:12	0		0		0	
27	1/7/2011 0:27	0		0		0	
28	1/7/2011 0:42	0		0		0	
29	1/7/2011 0:57	0		0		0	
30	1/7/2011 1:12	0		0		0	
31	1/7/2011 1:27	0		0		0	
32	1/7/2011 1:42	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014886
User ID: 00000000 Site ID: 00000003
Data Points: 488 Gas Name: Isobutylene Sample Period: 60 sec
Last Calibration Time: 11/12/2010 11:44

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	11/17/2010 7:53	0		0		0	
2	11/17/2010 7:54	0		0		0	
3	11/17/2010 7:55	0		0		0	
4	11/17/2010 7:56	0		0.5		2.1	
5	11/17/2010 7:57	0.8		0.8		0.9	
6	11/17/2010 7:58	0.7		0.7		0.8	
7	11/17/2010 7:59	0.6		0.6		0.7	
8	11/17/2010 8:00	0.6		0.6		0.6	
9	11/17/2010 8:01	0.5		0.5		0.6	
10	11/17/2010 8:02	0.5		0.5		0.5	
11	11/17/2010 8:03	0.4		0.4		0.5	
12	11/17/2010 8:04	0.4		0.4		0.5	
13	11/17/2010 8:05	0.4		0.4		0.5	
14	11/17/2010 8:06	0.4		0.4		0.4	
15	11/17/2010 8:07	0.4		0.4		0.4	
16	11/17/2010 8:08	0.3		0.3		0.4	
17	11/17/2010 8:09	0.3		0.3		0.4	
18	11/17/2010 8:10	0.3		0.3		0.4	
19	11/17/2010 8:11	0.3		0.3		0.4	
20	11/17/2010 8:12	0.3		0.3		0.3	
21	11/17/2010 8:13	0.3		0.3		0.3	
22	11/17/2010 8:14	0.3		0.3		0.3	
23	11/17/2010 8:15	0.3		0.3		0.3	
24	11/17/2010 8:16	0.3		0.3		0.3	
25	11/17/2010 8:17	0.3		0.3		0.3	
26	11/17/2010 8:18	0.3		0.3		0.3	
27	11/17/2010 8:19	0.3		0.3		0.3	
28	11/17/2010 8:20	0.3		0.3		0.3	
29	11/17/2010 8:21	0.2		0.2		0.3	
30	11/17/2010 8:22	0.2		0.2		0.3	
31	11/17/2010 8:23	0.2		0.2		0.3	
32	11/17/2010 8:24	0.2		0.2		0.3	
33	11/17/2010 8:25	0.3		0.3		0.3	
34	11/17/2010 8:26	0.2		0.2		0.3	
35	11/17/2010 8:27	0.3		0.3		0.3	
36	11/17/2010 8:28	0.3		0.3		0.3	
37	11/17/2010 8:29	0.3		0.3		0.3	

38	11/17/2010 8:30	0.3	0.3	0.3
39	11/17/2010 8:31	0.3	0.3	0.3
40	11/17/2010 8:32	0.2	0.2	0.3
41	11/17/2010 8:33	0.2	0.2	0.3
42	11/17/2010 8:34	0.2	0.2	0.3
43	11/17/2010 8:35	0.2	0.2	0.3
44	11/17/2010 8:36	0.2	0.2	0.3
45	11/17/2010 8:37	0.2	0.2	0.3
46	11/17/2010 8:38	0.2	0.2	0.2
47	11/17/2010 8:39	0.2	0.2	0.2
48	11/17/2010 8:40	0.2	0.2	0.3
49	11/17/2010 8:41	0.2	0.2	0.3
50	11/17/2010 8:42	0.2	0.2	0.3
51	11/17/2010 8:43	0.2	0.2	0.2
52	11/17/2010 8:44	0.2	0.2	0.2
53	11/17/2010 8:45	0.2	0.2	0.2
54	11/17/2010 8:46	0.1	0.1	0.2
55	11/17/2010 8:47	0.1	0.1	0.2
56	11/17/2010 8:48	0.1	0.1	0.1
57	11/17/2010 8:49	0.1	0.1	0.1
58	11/17/2010 8:50	0.1	0.1	0.1
59	11/17/2010 8:51	0.1	0.1	0.1
60	11/17/2010 8:52	0.1	0.1	0.1
61	11/17/2010 8:53	0.1	0.1	0.1
62	11/17/2010 8:54	0.1	0.1	0.1
63	11/17/2010 8:55	0.1	0.1	0.1
64	11/17/2010 8:56	0.1	0.1	0.1
65	11/17/2010 8:57	0.1	0.1	0.1
66	11/17/2010 8:58	0.1	0.1	0.2
67	11/17/2010 8:59	0.1	0.1	0.1
68	11/17/2010 9:00	0.1	0.1	0.2
69	11/17/2010 9:01	0.1	0.1	0.2
70	11/17/2010 9:02	0.1	0.1	0.2
71	11/17/2010 9:03	0.1	0.1	0.1
72	11/17/2010 9:04	0.1	0.1	0.1
73	11/17/2010 9:05	0.1	0.1	0.1
74	11/17/2010 9:06	0.1	0.1	0.1
75	11/17/2010 9:07	0.1	0.1	0.1
76	11/17/2010 9:08	0.1	0.1	0.1
77	11/17/2010 9:09	0.1	0.1	0.1
78	11/17/2010 9:10	0.1	0.1	0.1
79	11/17/2010 9:11	0.1	0.1	0.1
80	11/17/2010 9:12	0.1	0.1	0.1
81	11/17/2010 9:13	0	0	0.1
82	11/17/2010 9:14	0	0	0.1
83	11/17/2010 9:15	0	0	0.1
84	11/17/2010 9:16	0	0	0
85	11/17/2010 9:17	0	0	0

86	11/17/2010 9:18	0	0	0
87	11/17/2010 9:19	0	0	0
88	11/17/2010 9:20	0	0	0
89	11/17/2010 9:21	0	0	0
90	11/17/2010 9:22	0	0	0
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96	11/17/2010 9:28	0	0	0
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103	11/17/2010 9:35	0	0	0
104	11/17/2010 9:36	0	0	0
105	11/17/2010 9:37	0	0	0
106	11/17/2010 9:38	0	0	0
107	11/17/2010 9:39	0	0	0
108	11/17/2010 9:40	0	0	0
109	11/17/2010 9:41	0	0	0
110	11/17/2010 9:42	0	0	0
111	11/17/2010 9:43	0	0	0
112	11/17/2010 9:44	0	0	0
113	11/17/2010 9:45	0	0	0
114	11/17/2010 9:46	0	0	0
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116	11/17/2010 9:48	0	0	0
117	11/17/2010 9:49	0	0	0
118	11/17/2010 9:50	0	0	0
119	11/17/2010 9:51	0	0	0
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125	11/17/2010 9:57	0	0	0
126	11/17/2010 9:58	0	0	0
127	11/17/2010 9:59	0	0	0
128	11/17/2010 10:00	0	0	0
129	11/17/2010 10:01	0	0	0
130	11/17/2010 10:02	0	0	0
131	11/17/2010 10:03	0	0	0
132	11/17/2010 10:04	0	0	0
133	11/17/2010 10:05	0	0	0

134	11/17/2010 10:06	0	0	0
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136	11/17/2010 10:08	0	0	0
137	11/17/2010 10:09	0	0	0
138	11/17/2010 10:10	0	0	0
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156	11/17/2010 10:28	0	0	0
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161	11/17/2010 10:33	0	0	0
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163	11/17/2010 10:35	0	0	0
164	11/17/2010 10:36	0	0	0
165	11/17/2010 10:37	0	0	0
166	11/17/2010 10:38	0	0	0
167	11/17/2010 10:39	0	0	0
168	11/17/2010 10:40	0	0	0
169	11/17/2010 10:41	0	0	0
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171	11/17/2010 10:43	0	0	0
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187	11/17/2010 10:59	0	0	0
188	11/17/2010 11:00	0	0	0
189	11/17/2010 11:01	0	0	0
190	11/17/2010 11:02	0	0	0
191	11/17/2010 11:03	0	0	0
192	11/17/2010 11:04	0	0	0
193	11/17/2010 11:05	0	0	0
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428	11/17/2010 15:00	0	0	0
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430	11/17/2010 15:02	0	0	0
431	11/17/2010 15:03	0	0	0
432	11/17/2010 15:04	0	0	0
433	11/17/2010 15:05	0	0	0
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436	11/17/2010 15:08	0	0	0
437	11/17/2010 15:09	0	0	0
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440	11/17/2010 15:12	0	0	0
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446	11/17/2010 15:18	0	0	0
447	11/17/2010 15:19	0	0	0
448	11/17/2010 15:20	0	0	0
449	11/17/2010 15:21	0	0	0
450	11/17/2010 15:22	0	0	0
451	11/17/2010 15:23	0	0	0
452	11/17/2010 15:24	0	0	0
453	11/17/2010 15:25	0	0	0
454	11/17/2010 15:26	0	0	0
455	11/17/2010 15:27	0	0	0
456	11/17/2010 15:28	0	0	0
457	11/17/2010 15:29	0	0	0
458	11/17/2010 15:30	0	0	0
459	11/17/2010 15:31	0	0	0
460	11/17/2010 15:32	0	0	0
461	11/17/2010 15:33	0	0	0
462	11/17/2010 15:34	0	0	0
463	11/17/2010 15:35	0	0	0
464	11/17/2010 15:36	0	0	0
465	11/17/2010 15:37	0	0	0
466	11/17/2010 15:38	0	0	0
467	11/17/2010 15:39	0	0	0
468	11/17/2010 15:40	0	0	0
469	11/17/2010 15:41	0	0	0

470	11/17/2010 15:42	0	0	0
471	11/17/2010 15:43	0	0	0
472	11/17/2010 15:44	0	0	0
473	11/17/2010 15:45	0	0	0
474	11/17/2010 15:46	0	0	0
475	11/17/2010 15:47	0	0	0
476	11/17/2010 15:48	0	0	0
477	11/17/2010 15:49	0	0	0
478	11/17/2010 15:50	0	0	0
479	11/17/2010 15:51	0	0	0
480	11/17/2010 15:52	0	0	0
481	11/17/2010 15:53	0	0	0
482	11/17/2010 15:54	0	0	0
483	11/17/2010 15:55	0	0	0
484	11/17/2010 15:56	0	0	0
485	11/17/2010 15:57	0	0	0
486	11/17/2010 15:58	0	0	0
487	11/17/2010 15:59	0	0	0
488	11/17/2010 16:00	0	0	0

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014886
User ID: 00000000 Site ID: 00000007
Data Points: 27 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/12/2010 11:44

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	11/18/2010 8:44	0		0		0	
2	11/18/2010 8:59	0		0		0	
3	11/18/2010 9:14	0		0		0	
4	11/18/2010 9:29	0		0		0	
5	11/18/2010 9:44	0		0		0	
6	11/18/2010 9:59	0		0		0	
7	11/18/2010 10:14	0		0		0	
8	11/18/2010 10:29	0		0		0	
9	11/18/2010 10:44	0		0		0	
10	11/18/2010 10:59	0		0		0	
11	11/18/2010 11:14	0		0		0	
12	11/18/2010 11:29	0		0		0	
13	11/18/2010 11:44	0		0		0	
14	11/18/2010 11:59	0		0		0	
15	11/18/2010 12:14	0		0		0	
16	11/18/2010 12:29	0		0		0	
17	11/18/2010 12:44	0		0		0	
18	11/18/2010 12:59	0		0		0	
19	11/18/2010 13:14	0		0		0	
20	11/18/2010 13:29	0		0		0	
21	11/18/2010 13:44	0		0		0	
22	11/18/2010 13:59	0		0		0	
23	11/18/2010 14:14	0		0		0	
24	11/18/2010 14:29	0		0		0	
25	11/18/2010 14:44	0		0		0	
26	11/18/2010 14:59	0		0		0	
27	11/18/2010 15:14	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014886
User ID: 00000000 Site ID: 00000009
Data Points: 11 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/12/2010 11:44

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	11/19/2010 8:37	0		0		0	
2	11/19/2010 8:52	0		0		0	
3	11/19/2010 9:07	0		0		0	
4	11/19/2010 9:22	0		0		0	
5	11/19/2010 9:37	0		0		0	
6	11/19/2010 9:52	0		0		0	
7	11/19/2010 10:07	0		0		0	
8	11/19/2010 10:22	0		0		0	
9	11/19/2010 10:37	0		0		0	
10	11/19/2010 10:52	0		0		0	
11	11/19/2010 11:07	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014886
User ID: 00000000 Site ID: 00000010
Data Points: 22 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/12/2010 11:44

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	11/22/2010 8:27	0		0		0	
2	11/22/2010 8:42	0		0		0	
3	11/22/2010 8:57	0		0		0	
4	11/22/2010 9:12	0		0		0	
5	11/22/2010 9:27	0		0		0	
6	11/22/2010 9:42	0		0		0	
7	11/22/2010 9:57	0		0		0	
8	11/22/2010 10:12	0		0		0	
9	11/22/2010 10:27	0		0		0	
10	11/22/2010 10:42	0		0		0	
11	11/22/2010 10:57	0		0		0	
12	11/22/2010 11:12	0		0		0	
13	11/22/2010 11:27	0		0		0	
14	11/22/2010 11:42	0		0		0	
15	11/22/2010 11:57	0		0		0	
16	11/22/2010 12:43	0		0		0	
17	11/22/2010 12:58	0		0		0	
18	11/22/2010 13:13	0		0		0	
19	11/22/2010 13:28	0		0		0	
20	11/22/2010 13:43	0		0		0	
21	11/22/2010 13:58	0		0		0	
22	11/22/2010 14:13	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014886
User ID: 00000000 Site ID: 00000014
Data Points: 10 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/12/2010 11:44

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	11/23/2010 8:31	0		0		0	
2	11/23/2010 8:46	0		0		0	
3	11/23/2010 9:01	0		0		0	
4	11/23/2010 9:16	0		0		0	
5	11/23/2010 9:31	0		0		0	
6	11/23/2010 9:46	0		0		0	
7	11/23/2010 10:01	0		0		0	
8	11/23/2010 10:16	0		0		0	
9	11/23/2010 10:31	0		0		0	
10	11/23/2010 10:46	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014886
User ID: 00000000 Site ID: 00000017
Data Points: 30 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/12/2010 11:44

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	12/2/2010 8:32	0		0		0	
2	12/2/2010 8:47	0		0		0	
3	12/2/2010 9:02	0		0		0	
4	12/2/2010 9:17	0		0		0	
5	12/2/2010 9:32	0		0		0	
6	12/2/2010 9:47	0		0		0	
7	12/2/2010 10:02	0		0		0	
8	12/2/2010 10:17	0		0		0	
9	12/2/2010 10:32	0		0		0	
10	12/2/2010 10:47	0		0		0	
11	12/2/2010 11:02	0		0		0	
12	12/2/2010 11:17	0		0		0	
13	12/2/2010 11:32	0		0		0	
14	12/2/2010 11:47	0		0		0	
15	12/2/2010 12:02	0		0		0	
16	12/2/2010 12:17	0		0		0	
17	12/2/2010 12:32	0		0		0	
18	12/2/2010 12:47	0		0		0	
19	12/2/2010 13:02	0		0		0	
20	12/2/2010 13:17	0		0		0	
21	12/2/2010 13:32	0		0		0	
22	12/2/2010 13:47	0		0		0	
23	12/2/2010 14:02	0		0		0	
24	12/2/2010 14:17	0		0		0	
25	12/2/2010 14:32	0		0		0	
26	12/2/2010 14:47	0		0		0	
27	12/2/2010 15:02	0		0		0	
28	12/2/2010 15:17	0		0		0	
29	12/2/2010 15:32	0		0		0	
30	12/2/2010 15:47	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 014886
User ID: 00000000 Site ID: 00000019
Data Points: 20 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/12/2010 11:44

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	12/3/2010 8:12	0		0		0	
2	12/3/2010 8:27	0		0		0	
3	12/3/2010 8:42	0		0		0	
4	12/3/2010 8:57	0		0		0	
5	12/3/2010 9:12	0		0		0	
6	12/3/2010 9:27	0		0		0	
7	12/3/2010 9:42	0		0		0	
8	12/3/2010 9:57	0		0		0	
9	12/3/2010 10:12	0		0		0	
10	12/3/2010 10:27	0		0		0	
11	12/3/2010 10:42	0		0		0	
12	12/3/2010 10:57	0		0		0	
13	12/3/2010 11:12	0		0		0	
14	12/3/2010 11:27	0		0		0	
15	12/3/2010 11:42	0		0		0	
16	12/3/2010 11:57	0		0		0	
17	12/3/2010 12:12	0		0		0	
18	12/3/2010 12:27	0		0		0	
19	12/3/2010 12:42	0		0		0	
20	12/3/2010 12:57	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 004201
User ID: 00000000 Site ID: 00000001
Data Points: 27 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 12/10/2010 16:36

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	12/15/2010 9:42	0		0		0	
2	12/15/2010 9:57	0		0		0	
3	12/15/2010 10:12	0		0		0	
4	12/15/2010 10:27	0		0		0	
5	12/15/2010 10:42	0		0		0	
6	12/15/2010 10:57	0		0		0	
7	12/15/2010 11:12	0		0		0	
8	12/15/2010 11:27	0		0		0	
9	12/15/2010 11:42	0		0		0	
10	12/15/2010 11:57	0		0		0	
11	12/15/2010 12:12	0		0		0	
12	12/15/2010 12:27	0		0		0	
13	12/15/2010 12:42	0		0		0	
14	12/15/2010 12:57	0		0		0	
15	12/15/2010 13:12	0		0		0	
16	12/15/2010 13:27	0		0		0	
17	12/15/2010 13:42	0		0		0	
18	12/15/2010 13:57	0		0		0	
19	12/15/2010 14:12	0		0		0	
20	12/15/2010 14:27	0		0		0	
21	12/15/2010 14:42	0		0		0	
22	12/15/2010 14:57	0		0		0	
23	12/15/2010 15:12	0		0		0	
24	12/15/2010 15:27	0		0		0	
25	12/15/2010 15:42	0		0		0	
26	12/15/2010 15:57	0		0		0	
27	12/15/2010 16:12	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 004201
User ID: 00000000 Site ID: 00000002
Data Points: 27 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 12/10/2010 16:36

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	12/16/2010 8:03	0		0		0	
2	12/16/2010 8:18	0		0		0	
3	12/16/2010 8:33	0		0		0	
4	12/16/2010 8:48	0		0		0	
5	12/16/2010 9:03	0		0		0	
6	12/16/2010 9:18	0		0		0	
7	12/16/2010 9:33	0		0		0	
8	12/16/2010 9:48	0		0		0	
9	12/16/2010 10:03	0		0		0	
10	12/16/2010 10:18	0		0		0	
11	12/16/2010 10:33	0		0		0	
12	12/16/2010 10:48	0		0		0	
13	12/16/2010 11:03	0		0		0	
14	12/16/2010 11:18	0		0		0	
15	12/16/2010 11:33	0		0		0	
16	12/16/2010 11:48	0		0		0	
17	12/16/2010 12:03	0		0		0	
18	12/16/2010 12:18	0		0		0	
19	12/16/2010 12:33	0		0		0	
20	12/16/2010 12:48	0		0		0	
21	12/16/2010 13:03	0		0		0	
22	12/16/2010 13:18	0		0		0	
23	12/16/2010 13:33	0		0		0	
24	12/16/2010 13:48	0		0		0	
25	12/16/2010 14:03	0		0		0	
26	12/16/2010 14:18	0		0		0	
27	12/16/2010 14:33	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 001509
User ID: 00000001 Site ID: 00000003
Data Points: 30 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 12/22/2010 10:57

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	1/4/2011 8:54	0		0		0	
2	1/4/2011 9:09	0		0		0	
3	1/4/2011 9:24	0		0		0	
4	1/4/2011 9:39	0		0		0	
5	1/4/2011 9:54	0		0		0	
6	1/4/2011 10:09	0		0		0	
7	1/4/2011 10:24	0		0		0	
8	1/4/2011 10:39	0		0		0	
9	1/4/2011 10:54	0		0		0	
10	1/4/2011 11:09	0		0		0	
11	1/4/2011 11:24	0		0		0	
12	1/4/2011 11:39	0		0		0	
13	1/4/2011 11:54	0		0		0	
14	1/4/2011 12:09	0		0		0	
15	1/4/2011 12:24	0		0		0	
16	1/4/2011 12:39	0		0		0	
17	1/4/2011 12:54	0		0		0	
18	1/4/2011 13:09	0		0		0	
19	1/4/2011 13:24	0		0		0	
20	1/4/2011 13:39	0		0		0	
21	1/4/2011 13:54	0		0		0	
22	1/4/2011 14:09	0		0		0	
23	1/4/2011 14:24	0		0		0	
24	1/4/2011 14:39	0		0		0	
25	1/4/2011 14:54	0		0		0	
26	1/4/2011 15:09	0		0		0	
27	1/4/2011 15:24	0		0		0	
28	1/4/2011 15:39	0		0		0	
29	1/4/2011 15:54	0		0		0	
30	1/4/2011 16:09	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 001509
User ID: 00000001 Site ID: 00000004
Data Points: 33 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 12/22/2010 10:57

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	1/5/2011 8:39	0		0		0	
2	1/5/2011 8:54	0		0		0	
3	1/5/2011 9:09	0		0		0	
4	1/5/2011 9:24	0		0		0	
5	1/5/2011 9:39	0		0		0	
6	1/5/2011 9:54	0		0		0	
7	1/5/2011 10:09	0		0		0	
8	1/5/2011 10:24	0		0		0	
9	1/5/2011 10:39	0		0		0	
10	1/5/2011 10:54	0		0		0	
11	1/5/2011 11:09	0		0		0	
12	1/5/2011 11:24	0		0		0	
13	1/5/2011 11:39	0		0		0	
14	1/5/2011 11:54	0		0		0	
15	1/5/2011 12:09	0		0		0	
16	1/5/2011 12:24	0		0		0	
17	1/5/2011 12:39	0		0		0	
18	1/5/2011 12:54	0		0		0	
19	1/5/2011 13:09	0		0		0	
20	1/5/2011 13:24	0		0		0	
21	1/5/2011 13:39	0		0		0	
22	1/5/2011 13:54	0		0		0	
23	1/5/2011 14:09	0		0		0	
24	1/5/2011 14:24	0		0		0	
25	1/5/2011 14:39	0		0		0	
26	1/5/2011 14:54	0		0		0	
27	1/5/2011 15:09	0		0		0	
28	1/5/2011 15:24	0		0		0	
29	1/5/2011 15:39	0		0		0	
30	1/5/2011 15:54	0		0		0	
31	1/5/2011 16:09	0		0		0	
32	1/5/2011 16:24	0		0		0	
33	1/5/2011 16:39	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 001509
User ID: 00000001 Site ID: 00000005
Data Points: 32 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 12/22/2010 10:57

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	1/6/2011 8:51	0		0		0	
2	1/6/2011 9:06	0		0		0	
3	1/6/2011 9:21	0		0		0	
4	1/6/2011 9:36	0		0		0	
5	1/6/2011 9:51	0		0		0	
6	1/6/2011 10:06	0		0		0	
7	1/6/2011 10:21	0		0		0	
8	1/6/2011 10:36	0		0		0	
9	1/6/2011 10:51	0		0		0	
10	1/6/2011 11:06	0		0		0	
11	1/6/2011 11:21	0		0		0	
12	1/6/2011 11:36	0		0		0	
13	1/6/2011 11:51	0		0		0	
14	1/6/2011 12:06	0		0		0	
15	1/6/2011 12:21	0		0		0	
16	1/6/2011 12:36	0		0		0	
17	1/6/2011 12:51	0		0		0	
18	1/6/2011 13:06	0		0		0	
19	1/6/2011 13:21	0		0		0	
20	1/6/2011 13:36	0		0		0	
21	1/6/2011 13:51	0		0		0	
22	1/6/2011 14:06	0		0		0	
23	1/6/2011 14:21	0		0		0	
24	1/6/2011 14:36	0		0		0	
25	1/6/2011 14:51	0		0		0	
26	1/6/2011 15:06	0		0		0	
27	1/6/2011 15:21	0		0		0	
28	1/6/2011 15:36	0		0		0	
29	1/6/2011 15:51	0		0		0	
30	1/6/2011 16:06	0		0		0	
31	1/6/2011 16:21	0		0		0	
32	1/6/2011 16:36	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 013412
User ID: 00000000 Site ID: 00000003
Data Points: 32 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/12/2010 10:22

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	11/17/2010 7:48	0		0		0	
2	11/17/2010 8:03	0		0		0	
3	11/17/2010 8:18	0		0		0	
4	11/17/2010 8:33	0		0		0	
5	11/17/2010 8:48	0		0		0	
6	11/17/2010 9:03	0		0		0	
7	11/17/2010 9:18	0		0		0	
8	11/17/2010 9:33	0		0		0	
9	11/17/2010 9:48	0		0		0	
10	11/17/2010 10:03	0		0		0	
11	11/17/2010 10:18	0		0		0	
12	11/17/2010 10:33	0		0		0	
13	11/17/2010 10:48	0		0		0	
14	11/17/2010 11:03	0		0		0	
15	11/17/2010 11:18	0		0		0	
16	11/17/2010 11:33	0		0		0	
17	11/17/2010 11:48	0		0		0	
18	11/17/2010 12:03	0		0		0	
19	11/17/2010 12:18	0		0		0	
20	11/17/2010 12:33	0		0		0	
21	11/17/2010 12:48	0		0		0	
22	11/17/2010 13:03	0		0		0	
23	11/17/2010 13:18	0		0		0	
24	11/17/2010 13:33	0		0		0	
25	11/17/2010 13:48	0		0		0	
26	11/17/2010 14:03	0		0		0	
27	11/17/2010 14:18	0		0		0	
28	11/17/2010 14:33	0		0		0	
29	11/17/2010 14:48	0		0		0	
30	11/17/2010 15:03	0		0		0	
31	11/17/2010 15:18	0		0		0	
32	11/17/2010 15:33	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 013412
User ID: 00000000 Site ID: 00000004
Data Points: 31 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/12/2010 10:22

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	11/18/2010 7:38	0		0		0	
2	11/18/2010 7:53	0		0		0	
3	11/18/2010 8:08	0		0		0	
4	11/18/2010 8:23	0		0		0	
5	11/18/2010 8:38	0		0		0	
6	11/18/2010 8:53	0		0		0	
7	11/18/2010 9:08	0		0		0	
8	11/18/2010 9:23	0		0		0	
9	11/18/2010 9:38	0		0		0	
10	11/18/2010 9:53	0		0		0	
11	11/18/2010 10:08	0		0		0	
12	11/18/2010 10:23	0		0		0	
13	11/18/2010 10:38	0		0		0	
14	11/18/2010 10:53	0		0		0	
15	11/18/2010 11:08	0		0		0	
16	11/18/2010 11:23	0		0		0	
17	11/18/2010 11:38	0		0		0	
18	11/18/2010 11:53	0		0		0	
19	11/18/2010 12:08	0		0		0	
20	11/18/2010 12:23	0		0		0	
21	11/18/2010 12:38	0		0		0	
22	11/18/2010 12:53	0		0		0	
23	11/18/2010 13:08	0		0		0	
24	11/18/2010 13:23	0		0		0.2	
25	11/18/2010 13:38	0		0		0.3	
26	11/18/2010 13:53	0		0		0	
27	11/18/2010 14:08	0		0		0	
28	11/18/2010 14:23	0		0		0	
29	11/18/2010 14:38	0		0		0	
30	11/18/2010 14:53	0		0		0	
31	11/18/2010 15:08	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 013412
User ID: 00000000 Site ID: 00000005
Data Points: 12 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/12/2010 10:22

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	11/19/2010 8:21	0		0		0	
2	11/19/2010 8:36	0		0		0	
3	11/19/2010 8:51	0		0		0	
4	11/19/2010 9:06	0		0		0	
5	11/19/2010 9:21	0		0		0	
6	11/19/2010 9:36	0		0		0	
7	11/19/2010 9:51	0		0		0	
8	11/19/2010 10:06	0		0		0	
9	11/19/2010 10:21	0		0		0	
10	11/19/2010 10:36	0		0		0	
11	11/19/2010 10:51	0		0		0	
12	11/19/2010 11:06	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 013412
User ID: 00000000 Site ID: 00000006
Data Points: 24 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/12/2010 10:22

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	11/22/2010 8:25	0		0		0	
2	11/22/2010 8:40	0		0		0.1	
3	11/22/2010 8:55	0.1		0.1		0.1	
4	11/22/2010 9:10	0		0		0.1	
5	11/22/2010 9:25	0		0		0	
6	11/22/2010 9:40	0		0		0	
7	11/22/2010 9:55	0		0		0	
8	11/22/2010 10:10	0		0		0.1	
9	11/22/2010 10:25	0		0		0.1	
10	11/22/2010 10:40	0		0		0.1	
11	11/22/2010 10:55	0		0		0	
12	11/22/2010 11:10	0		0		0	
13	11/22/2010 11:25	0		0		0	
14	11/22/2010 11:40	0		0		0	
15	11/22/2010 11:55	0		0		0	
16	11/22/2010 12:10	0		0		0	
17	11/22/2010 12:25	0		0		0	
18	11/22/2010 12:40	0		0		0	
19	11/22/2010 12:55	0		0		0	
20	11/22/2010 13:10	0		0		0	
21	11/22/2010 13:25	0		0		0	
22	11/22/2010 13:40	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 013412
User ID: 00000000 Site ID: 00000009
Data Points: 11 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/12/2010 10:22

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	11/23/2010 8:20	0		0		0	
2	11/23/2010 8:35	0		0		0	
3	11/23/2010 8:50	0		0		0	
4	11/23/2010 9:05	0		0		0	
5	11/23/2010 9:20	0		0		0	
6	11/23/2010 9:35	0		0		0	
7	11/23/2010 9:50	0		0		0	
8	11/23/2010 10:05	0		0		0	
9	11/23/2010 10:20	0		0		0	
10	11/23/2010 10:35	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 013412
User ID: 00000000 Site ID: 00000010
Data Points: 31 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/12/2010 10:22

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	12/2/2010 8:19	0		0		0	
2	12/2/2010 8:34	0		0		0	
3	12/2/2010 8:49	0		0		0	
4	12/2/2010 9:04	0		0		0	
5	12/2/2010 9:19	0		0		0	
6	12/2/2010 9:34	0		0		0	
7	12/2/2010 9:49	0		0		0	
8	12/2/2010 10:04	0		0		0	
9	12/2/2010 10:19	0		0		0	
10	12/2/2010 10:34	0		0		0	
11	12/2/2010 10:49	0		0		0	
12	12/2/2010 11:04	0		0		0	
13	12/2/2010 11:19	0		0		0	
14	12/2/2010 11:34	0		0		0	
15	12/2/2010 11:49	0		0		0	
16	12/2/2010 12:04	0		0		0	
17	12/2/2010 12:19	0		0		0	
18	12/2/2010 12:34	0		0		0	
19	12/2/2010 12:49	0		0		0	
20	12/2/2010 13:04	0		0		0	
21	12/2/2010 13:19	0		0		0	
22	12/2/2010 13:34	0		0		0	
23	12/2/2010 13:49	0		0		0	
24	12/2/2010 14:04	0		0		0	
25	12/2/2010 14:19	0		0		0	
26	12/2/2010 14:34	0		0		0	
27	12/2/2010 14:49	0		0		0	
28	12/2/2010 15:04	0		0		0	
29	12/2/2010 15:19	0		0		0	
30	12/2/2010 15:34	0		0		0	
31	12/2/2010 15:49	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 013412
User ID: 00000000 Site ID: 00000011
Data Points: 20 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 11/12/2010 10:22

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	12/3/2010 8:09	0		0		0	
2	12/3/2010 8:24	0		0		0	
3	12/3/2010 8:39	0		0		0	
4	12/3/2010 8:54	0		0		0	
5	12/3/2010 9:09	0		0		0	
6	12/3/2010 9:24	0		0		0	
7	12/3/2010 9:39	0		0		0	
8	12/3/2010 9:54	0		0		0	
9	12/3/2010 10:09	0		0		0	
10	12/3/2010 10:24	0		0		0	
11	12/3/2010 10:39	0		0		0	
12	12/3/2010 10:54	0		0		0	
13	12/3/2010 11:09	0		0		0	
14	12/3/2010 11:24	0		0		0	
15	12/3/2010 11:39	0		0		0	
16	12/3/2010 11:54	0		0		0	
17	12/3/2010 12:09	0		0		0	
18	12/3/2010 12:24	0		0		0	
19	12/3/2010 12:39	0		0		0	
20	12/3/2010 12:54	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 900907
User ID: Ashtead Site ID: 00000001
Data Points: 8 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 12/13/2010 08:47

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	12/15/2010 9:09	0		0		0	
2	12/15/2010 9:24	0		0		0	
3	12/15/2010 9:39	0		0		0	
4	12/15/2010 9:54	0		0		0	
5	12/15/2010 10:09	0		0		0	
6	12/15/2010 10:24	0		0		0	
7	12/15/2010 10:39	0		0		0	
8	12/15/2010 10:54	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 900907
User ID: Ashtead Site ID: 00000003
Data Points: 22 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 12/13/2010 08:47

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	12/16/2010 8:13	0		0		0	
2	12/16/2010 8:28	0		0		0	
3	12/16/2010 8:43	0		0		0	
4	12/16/2010 8:58	0		0		0	
5	12/16/2010 9:13	0		0		0	
6	12/16/2010 9:28	0		0		0	
7	12/16/2010 9:43	0		0		0	
8	12/16/2010 9:58	0		0		0	
9	12/16/2010 10:13	0		0		0	
10	12/16/2010 10:28	0		0		0	
11	12/16/2010 10:43	0		0		0	
12	12/16/2010 10:58	0		0		0	
13	12/16/2010 11:13	0		0		0	
14	12/16/2010 11:28	0		0		0	
15	12/16/2010 11:43	0		0		0	
16	12/16/2010 11:58	0		0		0	
17	12/16/2010 12:13	0		0		0	
18	12/16/2010 12:28	0		0		0	
19	12/16/2010 12:43	0		0		0	
20	12/16/2010 12:58	0		0		0	
21	12/16/2010 13:13	0		0		0	
22	12/16/2010 13:28	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 002397
User ID: 00000000 Site ID: 00000003
Data Points: 24 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 12/22/2010 10:18

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	1/4/2011 8:00	0		0		0	
2	1/4/2011 8:15	0		0		0	
3	1/4/2011 8:30	0		0		0	
4	1/4/2011 8:45	0		0		0	
5	1/4/2011 9:00	0		0		0	
6	1/4/2011 9:15	0		0		0	
7	1/4/2011 9:30	0		0		0	
8	1/4/2011 9:45	0		0		0	
9	1/4/2011 10:00	0		0		0	
10	1/4/2011 10:15	0		0		0	
11	1/4/2011 10:30	0		0		0	
12	1/4/2011 10:45	0		0		0	
13	1/4/2011 11:00	0		0		0	
14	1/4/2011 11:15	0		0		0	
15	1/4/2011 11:30	0		0		0	
16	1/4/2011 11:45	0		0		0	
17	1/4/2011 12:00	0		0		0	
18	1/4/2011 12:15	0		0		0	
19	1/4/2011 12:30	0		0		0	
20	1/4/2011 12:45	0		0		0	
21	1/4/2011 13:00	0		0		0	
22	1/4/2011 13:15	0		0		0	
23	1/4/2011 13:30	0		0		0	
24	1/4/2011 13:45	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 002397
User ID: 00000000 Site ID: 00000004
Data Points: 31 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 12/22/2010 10:18

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	1/5/2011 7:44	0		0		0	
2	1/5/2011 7:59	0		0		0	
3	1/5/2011 8:14	0		0		0	
4	1/5/2011 8:29	0		0		0	
5	1/5/2011 8:44	0		0		0	
6	1/5/2011 8:59	0		0		0	
7	1/5/2011 9:14	0		0		0	
8	1/5/2011 9:29	0		0		0	
9	1/5/2011 9:44	0		0		0	
10	1/5/2011 9:59	0		0		0	
11	1/5/2011 10:14	0		0		0	
12	1/5/2011 10:29	0		0		0	
13	1/5/2011 10:44	0		0		0	
14	1/5/2011 10:59	0		0		0	
15	1/5/2011 11:14	0		0		0	
16	1/5/2011 11:29	0		0		0	
17	1/5/2011 11:44	0		0		0	
18	1/5/2011 11:59	0		0		0	
19	1/5/2011 12:14	0		0		0	
20	1/5/2011 12:29	0		0		0	
21	1/5/2011 12:44	0		0		0	
22	1/5/2011 12:59	0		0		0	
23	1/5/2011 13:14	0		0		0	
24	1/5/2011 13:29	0		0		0	
25	1/5/2011 13:44	0		0		0	
26	1/5/2011 13:59	0		0		0	
27	1/5/2011 14:14	0		0		0	
28	1/5/2011 14:29	0		0		0	
29	1/5/2011 14:44	0		0		0	
30	1/5/2011 14:59	0		0		0	
31	1/5/2011 15:14	0		0		0	

Instrument: MiniRAE 2000 (PGM7600) Serial Number: 002397
User ID: 00000000 Site ID: 00000005
Data Points: 31 Gas Name: Isobutylene Sample Period: 900 sec
Last Calibration Time: 12/22/2010 10:18

Measurement Type:	Min(ppm)	Avg(ppm)	Max(ppm)
High Alarm Levels:	100	100	100
Low Alarm Levels:	50	50	50

Line#	Date Time	Min(ppm)	Alarm	Avg(ppm)	Alarm	Max(ppm)	Alarm
1	1/6/2011 7:58	0		0		0	
2	1/6/2011 8:13	0		0		0	
3	1/6/2011 8:28	0		0		0	
4	1/6/2011 8:43	0		0		0	
5	1/6/2011 8:58	0		0		0	
6	1/6/2011 9:13	0		0		0	
7	1/6/2011 9:28	0		0		0	
8	1/6/2011 9:43	0		0		0	
9	1/6/2011 9:58	0		0		0	
10	1/6/2011 10:13	0		0		0.7	
11	1/6/2011 10:28	0		0		0.1	
12	1/6/2011 10:43	0		0		0.3	
13	1/6/2011 10:58	0		0		0.2	
14	1/6/2011 11:13	0		0		0.2	
15	1/6/2011 11:28	0		0		0.2	
16	1/6/2011 11:43	0		0		0.1	
17	1/6/2011 11:58	0		0		0	
18	1/6/2011 12:13	0		0		0	
19	1/6/2011 12:28	0		0		0	
20	1/6/2011 12:43	0		0		0	
21	1/6/2011 12:58	0		0		0	
22	1/6/2011 13:13	0		0		0	
23	1/6/2011 13:28	0		0		0	
24	1/6/2011 13:43	0		0		0.4	
25	1/6/2011 13:58	0		0		0	
26	1/6/2011 14:13	0		0		0.1	
27	1/6/2011 14:28	0		0		0	
28	1/6/2011 14:43	0		0		0	
29	1/6/2011 14:58	0		0		0	
30	1/6/2011 15:13	0		0		0	
31	1/6/2011 15:28	0		0		0.1	

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85203530
Test ID:	1
Test Abbreviation:	
Start Date:	11/17/2010
Start Time:	8:30:10
Duration (dd:hh:mm:ss):	00:05:15:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	21
Notes:	

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.002
	Minimum:	0
	Time of Minimum:	11:30:10
	Date of Minimum:	11/17/2010
	Maximum:	0.007
	Time of Maximum:	9:30:10
	Date of Maximum:	11/17/2010

Calibration	Sensor:	Aerosol
	Cal. date	10/22/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
11/17/2010	8:45:10	0.005
11/17/2010	9:00:10	0.005
11/17/2010	9:15:10	0.006
11/17/2010	9:30:10	0.007
11/17/2010	9:45:10	0.005
11/17/2010	10:00:10	0.004
11/17/2010	10:15:10	0.001
11/17/2010	10:30:10	0.001
11/17/2010	10:45:10	0.001
11/17/2010	11:00:10	0.001
11/17/2010	11:15:10	0.001
11/17/2010	11:30:10	0
11/17/2010	11:45:10	0.001
11/17/2010	12:00:10	0.001
11/17/2010	12:15:10	0.001
11/17/2010	12:30:10	0.001
11/17/2010	12:45:10	0.001
11/17/2010	13:00:10	0.001

11/17/2010	13:15:10	0.001
11/17/2010	13:30:10	0.001
11/17/2010	13:45:10	0.001

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85203530
Test ID:	2
Test Abbreviation:	
Start Date:	11/18/2010
Start Time:	8:36:55
Duration (dd:hh:mm:ss):	00:07:15:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	29
Notes:	

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.02
	Minimum:	0.011
	Time of Minimum:	9:21:55
	Date of Minimum:	11/18/2010
	Maximum:	0.062
	Time of Maximum:	15:21:55
	Date of Maximum:	11/18/2010

Calibration	Sensor:	Aerosol
	Cal. date	10/22/2010

Date MM/dd/yyyy	Time hh:mm:ss	Aerosol mg/m^3
11/18/2010	8:51:55	0.019
11/18/2010	9:06:55	0.012
11/18/2010	9:21:55	0.011
11/18/2010	9:36:55	0.011
11/18/2010	9:51:55	0.012
11/18/2010	10:06:55	0.014
11/18/2010	10:21:55	0.013
11/18/2010	10:36:55	0.013
11/18/2010	10:51:55	0.014
11/18/2010	11:06:55	0.015
11/18/2010	11:21:55	0.015
11/18/2010	11:36:55	0.015
11/18/2010	11:51:55	0.016
11/18/2010	12:06:55	0.015
11/18/2010	12:21:55	0.016
11/18/2010	12:36:55	0.015
11/18/2010	12:51:55	0.016
11/18/2010	13:06:55	0.017

11/18/2010	13:21:55	0.019
11/18/2010	13:36:55	0.022
11/18/2010	13:51:55	0.023
11/18/2010	14:06:55	0.025
11/18/2010	14:21:55	0.027
11/18/2010	14:36:55	0.027
11/18/2010	14:51:55	0.028
11/18/2010	15:06:55	0.028
11/18/2010	15:21:55	0.062
11/18/2010	15:36:55	0.038
11/18/2010	15:51:55	0.033

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85203530
Test ID:	3
Test Abbreviation:	
Start Date:	11/19/2010
Start Time:	7:15:22
Duration (dd:hh:mm:ss):	00:04:30:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	18
Notes:	

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.001
	Minimum:	0
	Time of Minimum:	8:45:22
	Date of Minimum:	11/19/2010
	Maximum:	0.002
	Time of Maximum:	11:30:22
	Date of Maximum:	11/19/2010

Calibration	Sensor:	Aerosol
	Cal. date	10/22/2010

Date MM/dd/yyyy	Time hh:mm:ss	Aerosol mg/m^3
11/19/2010	7:30:22	0.001
11/19/2010	7:45:22	0.001
11/19/2010	8:00:22	0.001
11/19/2010	8:15:22	0.001
11/19/2010	8:30:22	0.001
11/19/2010	8:45:22	0
11/19/2010	9:00:22	0.001
11/19/2010	9:15:22	0
11/19/2010	9:30:22	0
11/19/2010	9:45:22	0
11/19/2010	10:00:22	0
11/19/2010	10:15:22	0.001
11/19/2010	10:30:22	0.001
11/19/2010	10:45:22	0.001
11/19/2010	11:00:22	0.001
11/19/2010	11:15:22	0
11/19/2010	11:30:22	0.002
11/19/2010	11:45:22	0.001

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85203530
Test ID:	4
Test Abbreviation:	
Start Date:	11/22/2010
Start Time:	7:26:31
Duration (dd:hh:mm:ss):	00:07:45:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	31
Notes:	

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.034
	Minimum:	0.025
	Time of Minimum:	9:41:31
	Date of Minimum:	11/22/2010
	Maximum:	0.041
	Time of Maximum:	13:26:31
	Date of Maximum:	11/22/2010

Calibration	Sensor:	Aerosol
	Cal. date	10/22/2010

Date MM/dd/yyyy	Time hh:mm:ss	Aerosol mg/m^3
11/22/2010	7:41:31	0.028
11/22/2010	7:56:31	0.027
11/22/2010	8:11:31	0.026
11/22/2010	8:26:31	0.027
11/22/2010	8:41:31	0.027
11/22/2010	8:56:31	0.029
11/22/2010	9:11:31	0.032
11/22/2010	9:26:31	0.034
11/22/2010	9:41:31	0.025
11/22/2010	9:56:31	0.026
11/22/2010	10:11:31	0.03
11/22/2010	10:26:31	0.03
11/22/2010	10:41:31	0.036
11/22/2010	10:56:31	0.034
11/22/2010	11:11:31	0.033
11/22/2010	11:26:31	0.032
11/22/2010	11:41:31	0.034
11/22/2010	11:56:31	0.037

11/22/2010	12:11:31	0.037
11/22/2010	12:26:31	0.037
11/22/2010	12:41:31	0.039
11/22/2010	12:56:31	0.039
11/22/2010	13:11:31	0.04
11/22/2010	13:26:31	0.041
11/22/2010	13:41:31	0.041
11/22/2010	13:56:31	0.041
11/22/2010	14:11:31	0.041
11/22/2010	14:26:31	0.041
11/22/2010	14:41:31	0.04
11/22/2010	14:56:31	0.041
11/22/2010	15:11:31	0.041

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85203530
Test ID:	5
Test Abbreviation:	
Start Date:	11/23/2010
Start Time:	7:29:55
Duration (dd:hh:mm:ss):	00:04:15:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	17
Notes:	

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.088
	Minimum:	0.069
	Time of Minimum:	11:14:55
	Date of Minimum:	11/23/2010
	Maximum:	0.125
	Time of Maximum:	7:44:55
	Date of Maximum:	11/23/2010

Calibration	Sensor:	Aerosol
	Cal. date	10/22/2010

Date MM/dd/yyyy	Time hh:mm:ss	Aerosol mg/m^3
11/23/2010	7:44:55	0.125
11/23/2010	7:59:55	0.117
11/23/2010	8:14:55	0.111
11/23/2010	8:29:55	0.099
11/23/2010	8:44:55	0.093
11/23/2010	8:59:55	0.098
11/23/2010	9:14:55	0.091
11/23/2010	9:29:55	0.086
11/23/2010	9:44:55	0.086
11/23/2010	9:59:55	0.083
11/23/2010	10:14:55	0.08
11/23/2010	10:29:55	0.076
11/23/2010	10:44:55	0.073
11/23/2010	10:59:55	0.072
11/23/2010	11:14:55	0.069
11/23/2010	11:29:55	0.069
11/23/2010	11:44:55	0.069

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85203530
Test ID:	1
Test Abbreviation:	
Start Date:	12/2/2010
Start Time:	8:41:30
Duration (dd:hh:mm:ss):	00:08:30:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	34
Notes:	park

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.007
	Minimum:	0.004
	Time of Minimum:	15:56:30
	Date of Minimum:	12/2/2010
	Maximum:	0.014
	Time of Maximum:	8:56:30
	Date of Maximum:	12/2/2010

Calibration	Sensor:	Aerosol
	Cal. date	10/22/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
12/2/2010	8:56:30	0.014
12/2/2010	9:11:30	0.014
12/2/2010	9:26:30	0.013
12/2/2010	9:41:30	0.011
12/2/2010	9:56:30	0.01
12/2/2010	10:11:30	0.01
12/2/2010	10:26:30	0.009
12/2/2010	10:41:30	0.008
12/2/2010	10:56:30	0.009
12/2/2010	11:11:30	0.008
12/2/2010	11:26:30	0.008
12/2/2010	11:41:30	0.008
12/2/2010	11:56:30	0.008
12/2/2010	12:11:30	0.007
12/2/2010	12:26:30	0.007
12/2/2010	12:41:30	0.007
12/2/2010	12:56:30	0.007
12/2/2010	13:11:30	0.007

12/2/2010	13:26:30	0.007
12/2/2010	13:41:30	0.007
12/2/2010	13:56:30	0.007
12/2/2010	14:11:30	0.006
12/2/2010	14:26:30	0.006
12/2/2010	14:41:30	0.005
12/2/2010	14:56:30	0.006
12/2/2010	15:11:30	0.006
12/2/2010	15:26:30	0.005
12/2/2010	15:41:30	0.005
12/2/2010	15:56:30	0.004
12/2/2010	16:11:30	0.005
12/2/2010	16:26:30	0.005
12/2/2010	16:41:30	0.005
12/2/2010	16:56:30	0.005
12/2/2010	17:11:30	0.005

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85203530
Test ID:	2
Test Abbreviation:	
Start Date:	12/3/2010
Start Time:	8:20:24
Duration (dd:hh:mm:ss):	00:05:30:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	22
Notes:	park

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.012
	Minimum:	0.008
	Time of Minimum:	8:50:24
	Date of Minimum:	12/3/2010
	Maximum:	0.032
	Time of Maximum:	8:35:24
	Date of Maximum:	12/3/2010

Calibration	Sensor:	Aerosol
	Cal. date	10/22/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
12/3/2010	8:35:24	0.032
12/3/2010	8:50:24	0.008
12/3/2010	9:05:24	0.01
12/3/2010	9:20:24	0.009
12/3/2010	9:35:24	0.01
12/3/2010	9:50:24	0.012
12/3/2010	10:05:24	0.013
12/3/2010	10:20:24	0.013
12/3/2010	10:35:24	0.013
12/3/2010	10:50:24	0.014
12/3/2010	11:05:24	0.01
12/3/2010	11:20:24	0.01
12/3/2010	11:35:24	0.01
12/3/2010	11:50:24	0.01
12/3/2010	12:05:24	0.01
12/3/2010	12:20:24	0.01
12/3/2010	12:35:24	0.009
12/3/2010	12:50:24	0.011

12/3/2010	13:05:24	0.011
12/3/2010	13:20:24	0.01
12/3/2010	13:35:24	0.009
12/3/2010	13:50:24	0.01

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85202283
Test ID:	1
Test Abbreviation:	
Start Date:	12/15/2010
Start Time:	9:11:02
Duration (dd:hh:mm:ss):	00:08:00:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	32
Notes:	P

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.006
	Minimum:	0.001
	Time of Minimum:	15:56:02
	Date of Minimum:	12/15/2010
	Maximum:	0.086
	Time of Maximum:	10:11:02
	Date of Maximum:	12/15/2010

Calibration	Sensor:	Aerosol
	Cal. date	11/16/2010

Date MM/dd/yyyy	Time hh:mm:ss	Aerosol mg/m^3
12/15/2010	9:26:02	0.007
12/15/2010	9:41:02	0.002
12/15/2010	9:56:02	0.017
12/15/2010	10:11:02	0.086
12/15/2010	10:26:02	0.003
12/15/2010	10:41:02	0.005
12/15/2010	10:56:02	0.003
12/15/2010	11:11:02	0.004
12/15/2010	11:26:02	0.003
12/15/2010	11:41:02	0.003
12/15/2010	11:56:02	0.003
12/15/2010	12:11:02	0.002
12/15/2010	12:26:02	0.002
12/15/2010	12:41:02	0.002
12/15/2010	12:56:02	0.002
12/15/2010	13:11:02	0.004
12/15/2010	13:26:02	0.024
12/15/2010	13:41:02	0.002

12/15/2010	13:56:02	0.004
12/15/2010	14:11:02	0.002
12/15/2010	14:26:02	0.002
12/15/2010	14:41:02	0.002
12/15/2010	14:56:02	0.002
12/15/2010	15:11:02	0.002
12/15/2010	15:26:02	0.002
12/15/2010	15:41:02	0.005
12/15/2010	15:56:02	0.001
12/15/2010	16:11:02	0.002
12/15/2010	16:26:02	0.002
12/15/2010	16:41:02	0.001
12/15/2010	16:56:02	0.001
12/15/2010	17:11:02	0.003

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85202283
Test ID:	2
Test Abbreviation:	
Start Date:	12/16/2010
Start Time:	7:14:50
Duration (dd:hh:mm:ss):	00:07:45:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	31
Notes:	P

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.017
	Minimum:	0.013
	Time of Minimum:	7:29:50
	Date of Minimum:	12/16/2010
	Maximum:	0.026
	Time of Maximum:	14:44:50
	Date of Maximum:	12/16/2010

Calibration	Sensor:	Aerosol
	Cal. date	11/16/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
12/16/2010	7:29:50	0.013
12/16/2010	7:44:50	0.014
12/16/2010	7:59:50	0.014
12/16/2010	8:14:50	0.014
12/16/2010	8:29:50	0.015
12/16/2010	8:44:50	0.015
12/16/2010	8:59:50	0.017
12/16/2010	9:14:50	0.015
12/16/2010	9:29:50	0.016
12/16/2010	9:44:50	0.016
12/16/2010	9:59:50	0.016
12/16/2010	10:14:50	0.015
12/16/2010	10:29:50	0.016
12/16/2010	10:44:50	0.017
12/16/2010	10:59:50	0.018
12/16/2010	11:14:50	0.017
12/16/2010	11:29:50	0.017
12/16/2010	11:44:50	0.016

12/16/2010	11:59:50	0.015
12/16/2010	12:14:50	0.017
12/16/2010	12:29:50	0.017
12/16/2010	12:44:50	0.015
12/16/2010	12:59:50	0.018
12/16/2010	13:14:50	0.018
12/16/2010	13:29:50	0.02
12/16/2010	13:44:50	0.018
12/16/2010	13:59:50	0.018
12/16/2010	14:14:50	0.019
12/16/2010	14:29:50	0.023
12/16/2010	14:44:50	0.026
12/16/2010	14:59:50	0.026

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85203530
Test ID:	1
Test Abbreviation:	
Start Date:	1/4/2011
Start Time:	8:09:41
Duration (dd:hh:mm:ss):	00:08:00:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	32
Notes:	Park

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.028
	Minimum:	0.022
	Time of Minimum:	15:54:41
	Date of Minimum:	1/4/2011
	Maximum:	0.033
	Time of Maximum:	12:09:41
	Date of Maximum:	1/4/2011

Calibration	Sensor:	Aerosol
	Cal. date	10/22/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
1/4/2011	8:24:41	0.025
1/4/2011	8:39:41	0.024
1/4/2011	8:54:41	0.026
1/4/2011	9:09:41	0.024
1/4/2011	9:24:41	0.025
1/4/2011	9:39:41	0.026
1/4/2011	9:54:41	0.028
1/4/2011	10:09:41	0.026
1/4/2011	10:24:41	0.027
1/4/2011	10:39:41	0.028
1/4/2011	10:54:41	0.029
1/4/2011	11:09:41	0.03
1/4/2011	11:24:41	0.03
1/4/2011	11:39:41	0.03
1/4/2011	11:54:41	0.031
1/4/2011	12:09:41	0.033
1/4/2011	12:24:41	0.032
1/4/2011	12:39:41	0.033

1/4/2011	12:54:41	0.033
1/4/2011	13:09:41	0.03
1/4/2011	13:24:41	0.03
1/4/2011	13:39:41	0.032
1/4/2011	13:54:41	0.03
1/4/2011	14:09:41	0.03
1/4/2011	14:24:41	0.031
1/4/2011	14:39:41	0.033
1/4/2011	14:54:41	0.03
1/4/2011	15:09:41	0.027
1/4/2011	15:24:41	0.027
1/4/2011	15:39:41	0.024
1/4/2011	15:54:41	0.022
1/4/2011	16:09:41	0.023

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85203530
Test ID:	2
Test Abbreviation:	
Start Date:	1/5/2011
Start Time:	7:05:36
Duration (dd:hh:mm:ss):	00:09:30:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	38
Notes:	Park

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.015
	Minimum:	0.005
	Time of Minimum:	16:05:36
	Date of Minimum:	1/5/2011
	Maximum:	0.042
	Time of Maximum:	9:20:36
	Date of Maximum:	1/5/2011

Calibration	Sensor:	Aerosol
	Cal. date	10/22/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
1/5/2011	7:20:36	0.014
1/5/2011	7:35:36	0.013
1/5/2011	7:50:36	0.015
1/5/2011	8:05:36	0.022
1/5/2011	8:20:36	0.026
1/5/2011	8:35:36	0.031
1/5/2011	8:50:36	0.03
1/5/2011	9:05:36	0.033
1/5/2011	9:20:36	0.042
1/5/2011	9:35:36	0.029
1/5/2011	9:50:36	0.028
1/5/2011	10:05:36	0.025
1/5/2011	10:20:36	0.022
1/5/2011	10:35:36	0.02
1/5/2011	10:50:36	0.014
1/5/2011	11:05:36	0.01
1/5/2011	11:20:36	0.01
1/5/2011	11:35:36	0.011

1/5/2011	11:50:36	0.011
1/5/2011	12:05:36	0.011
1/5/2011	12:20:36	0.01
1/5/2011	12:35:36	0.009
1/5/2011	12:50:36	0.01
1/5/2011	13:05:36	0.018
1/5/2011	13:20:36	0.009
1/5/2011	13:35:36	0.009
1/5/2011	13:50:36	0.008
1/5/2011	14:05:36	0.008
1/5/2011	14:20:36	0.007
1/5/2011	14:35:36	0.007
1/5/2011	14:50:36	0.007
1/5/2011	15:05:36	0.007
1/5/2011	15:20:36	0.006
1/5/2011	15:35:36	0.006
1/5/2011	15:50:36	0.006
1/5/2011	16:05:36	0.005
1/5/2011	16:20:36	0.005
1/5/2011	16:35:36	0.005

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85203530
Test ID:	3
Test Abbreviation:	
Start Date:	1/6/2011
Start Time:	7:10:01
Duration (dd:hh:mm:ss):	00:08:00:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	32
Notes:	Park

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.019
	Minimum:	0.014
	Time of Minimum:	14:10:01
	Date of Minimum:	1/6/2011
	Maximum:	0.026
	Time of Maximum:	9:40:01
	Date of Maximum:	1/6/2011

Calibration	Sensor:	Aerosol
	Cal. date	10/22/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
1/6/2011	7:25:01	0.017
1/6/2011	7:40:01	0.018
1/6/2011	7:55:01	0.02
1/6/2011	8:10:01	0.021
1/6/2011	8:25:01	0.02
1/6/2011	8:40:01	0.021
1/6/2011	8:55:01	0.022
1/6/2011	9:10:01	0.023
1/6/2011	9:25:01	0.025
1/6/2011	9:40:01	0.026
1/6/2011	9:55:01	0.025
1/6/2011	10:10:01	0.021
1/6/2011	10:25:01	0.017
1/6/2011	10:40:01	0.015
1/6/2011	10:55:01	0.018
1/6/2011	11:10:01	0.019
1/6/2011	11:25:01	0.019
1/6/2011	11:40:01	0.02

1/6/2011	11:55:01	0.02
1/6/2011	12:10:01	0.02
1/6/2011	12:25:01	0.02
1/6/2011	12:40:01	0.019
1/6/2011	12:55:01	0.019
1/6/2011	13:10:01	0.018
1/6/2011	13:25:01	0.017
1/6/2011	13:40:01	0.015
1/6/2011	13:55:01	0.015
1/6/2011	14:10:01	0.014
1/6/2011	14:25:01	0.015
1/6/2011	14:40:01	0.015
1/6/2011	14:55:01	0.015
1/6/2011	15:10:01	0.014

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	22839
Test ID:	5
Test Abbreviation:	
Start Date:	12/2/2010
Start Time:	9:04:50
Duration (dd:hh:mm:ss):	00:07:15:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	29
Notes:	upwind

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.02
	Minimum:	0.011
	Time of Minimum:	12:49:50
	Date of Minimum:	12/2/2010
	Maximum:	0.03
	Time of Maximum:	12:34:50
	Date of Maximum:	12/2/2010

Calibration	Sensor:	Aerosol
	Cal. date	9/23/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
12/2/2010	9:19:50	0.017
12/2/2010	9:34:50	0.018
12/2/2010	9:49:50	0.019
12/2/2010	10:04:50	0.016
12/2/2010	10:19:50	0.026
12/2/2010	10:34:50	0.02
12/2/2010	10:49:50	0.021
12/2/2010	11:04:50	0.015
12/2/2010	11:19:50	0.027
12/2/2010	11:34:50	0.016
12/2/2010	11:49:50	0.022
12/2/2010	12:04:50	0.024
12/2/2010	12:19:50	0.015
12/2/2010	12:34:50	0.03
12/2/2010	12:49:50	0.011
12/2/2010	13:04:50	0.021
12/2/2010	13:19:50	0.012
12/2/2010	13:34:50	0.026

12/2/2010	13:49:50	0.026
12/2/2010	14:04:50	0.017
12/2/2010	14:19:50	0.024
12/2/2010	14:34:50	0.024
12/2/2010	14:49:50	0.023
12/2/2010	15:04:50	0.019
12/2/2010	15:19:50	0.027
12/2/2010	15:34:50	0.021
12/2/2010	15:49:50	0.012
12/2/2010	16:04:50	0.015
12/2/2010	16:19:50	0.014

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	22839
Test ID:	6
Test Abbreviation:	
Start Date:	12/3/2010
Start Time:	9:06:18
Duration (dd:hh:mm:ss):	00:05:15:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	21
Notes:	upwind

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.019
	Minimum:	0.015
	Time of Minimum:	9:36:18
	Date of Minimum:	12/3/2010
	Maximum:	0.026
	Time of Maximum:	11:51:18
	Date of Maximum:	12/3/2010

Calibration	Sensor:	Aerosol
	Cal. date	9/23/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
12/3/2010	9:21:18	0.016
12/3/2010	9:36:18	0.015
12/3/2010	9:51:18	0.016
12/3/2010	10:06:18	0.017
12/3/2010	10:21:18	0.016
12/3/2010	10:36:18	0.02
12/3/2010	10:51:18	0.019
12/3/2010	11:06:18	0.021
12/3/2010	11:21:18	0.025
12/3/2010	11:36:18	0.025
12/3/2010	11:51:18	0.026
12/3/2010	12:06:18	0.02
12/3/2010	12:21:18	0.018
12/3/2010	12:36:18	0.023
12/3/2010	12:51:18	0.021
12/3/2010	13:06:18	0.018
12/3/2010	13:21:18	0.016
12/3/2010	13:36:18	0.016

12/3/2010	13:51:18	0.018
12/3/2010	14:06:18	0.017
12/3/2010	14:21:18	0.015

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85201091
Test ID:	1
Test Abbreviation:	
Start Date:	12/15/2010
Start Time:	8:31:22
Duration (dd:hh:mm:ss):	00:08:00:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	32
Notes:	U

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.028
	Minimum:	0.002
	Time of Minimum:	8:46:22
	Date of Minimum:	12/15/2010
	Maximum:	0.097
	Time of Maximum:	10:01:22
	Date of Maximum:	12/15/2010

Calibration	Sensor:	Aerosol
	Cal. date	3/2/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
12/15/2010	8:46:22	0.002
12/15/2010	9:01:22	0.032
12/15/2010	9:16:22	0.093
12/15/2010	9:31:22	0.089
12/15/2010	9:46:22	0.088
12/15/2010	10:01:22	0.097
12/15/2010	10:16:22	0.091
12/15/2010	10:31:22	0.01
12/15/2010	10:46:22	0.014
12/15/2010	11:01:22	0.006
12/15/2010	11:16:22	0.003
12/15/2010	11:31:22	0.008
12/15/2010	11:46:22	0.01
12/15/2010	12:01:22	0.007
12/15/2010	12:16:22	0.004
12/15/2010	12:31:22	0.007
12/15/2010	12:46:22	0.002
12/15/2010	13:01:22	0.002

12/15/2010	13:16:22	0.047
12/15/2010	13:31:22	0.077
12/15/2010	13:46:22	0.055
12/15/2010	14:01:22	0.027
12/15/2010	14:16:22	0.01
12/15/2010	14:31:22	0.007
12/15/2010	14:46:22	0.005
12/15/2010	15:01:22	0.003
12/15/2010	15:16:22	0.008
12/15/2010	15:31:22	0.01
12/15/2010	15:46:22	0.038
12/15/2010	16:01:22	0.029
12/15/2010	16:16:22	0.008
12/15/2010	16:31:22	0.003

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85201091
Test ID:	2
Test Abbreviation:	
Start Date:	12/16/2010
Start Time:	8:08:19
Duration (dd:hh:mm:ss):	00:06:30:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	26
Notes:	U

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.013
	Minimum:	0.009
	Time of Minimum:	8:23:19
	Date of Minimum:	12/16/2010
	Maximum:	0.02
	Time of Maximum:	14:38:19
	Date of Maximum:	12/16/2010

Calibration	Sensor:	Aerosol
	Cal. date	3/2/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
12/16/2010	8:23:19	0.009
12/16/2010	8:38:19	0.01
12/16/2010	8:53:19	0.01
12/16/2010	9:08:19	0.011
12/16/2010	9:23:19	0.012
12/16/2010	9:38:19	0.014
12/16/2010	9:53:19	0.013
12/16/2010	10:08:19	0.011
12/16/2010	10:23:19	0.011
12/16/2010	10:38:19	0.012
12/16/2010	10:53:19	0.013
12/16/2010	11:08:19	0.013
12/16/2010	11:23:19	0.012
12/16/2010	11:38:19	0.011
12/16/2010	11:53:19	0.012
12/16/2010	12:08:19	0.012
12/16/2010	12:23:19	0.012
12/16/2010	12:38:19	0.012

12/16/2010	12:53:19	0.013
12/16/2010	13:08:19	0.014
12/16/2010	13:23:19	0.014
12/16/2010	13:38:19	0.015
12/16/2010	13:53:19	0.013
12/16/2010	14:08:19	0.014
12/16/2010	14:23:19	0.017
12/16/2010	14:38:19	0.02

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	22811
Test ID:	1
Test Abbreviation:	
Start Date:	1/4/2011
Start Time:	7:37:58
Duration (dd:hh:mm:ss):	00:07:45:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	31
Notes:	Upwind

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.031
	Minimum:	0.026
	Time of Minimum:	8:07:58
	Date of Minimum:	1/4/2011
	Maximum:	0.036
	Time of Maximum:	12:37:58
	Date of Maximum:	1/4/2011

Calibration	Sensor:	Aerosol
	Cal. date	9/7/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
1/4/2011	7:52:58	0.027
1/4/2011	8:07:58	0.026
1/4/2011	8:22:58	0.029
1/4/2011	8:37:58	0.03
1/4/2011	8:52:58	0.028
1/4/2011	9:07:58	0.028
1/4/2011	9:22:58	0.028
1/4/2011	9:37:58	0.028
1/4/2011	9:52:58	0.03
1/4/2011	10:07:58	0.03
1/4/2011	10:22:58	0.03
1/4/2011	10:37:58	0.031
1/4/2011	10:52:58	0.032
1/4/2011	11:07:58	0.032
1/4/2011	11:22:58	0.032
1/4/2011	11:37:58	0.032
1/4/2011	11:52:58	0.033
1/4/2011	12:07:58	0.035

1/4/2011	12:22:58	0.035
1/4/2011	12:37:58	0.036
1/4/2011	12:52:58	0.036
1/4/2011	13:07:58	0.033
1/4/2011	13:22:58	0.031
1/4/2011	13:37:58	0.033
1/4/2011	13:52:58	0.031
1/4/2011	14:07:58	0.031
1/4/2011	14:22:58	0.033
1/4/2011	14:37:58	0.035
1/4/2011	14:52:58	0.032
1/4/2011	15:07:58	0.028
1/4/2011	15:22:58	0.027

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	22811
Test ID:	2
Test Abbreviation:	
Start Date:	1/5/2011
Start Time:	7:25:45
Duration (dd:hh:mm:ss):	00:08:45:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	35
Notes:	Upwind

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.02
	Minimum:	0.006
	Time of Minimum:	16:10:45
	Date of Minimum:	1/5/2011
	Maximum:	0.059
	Time of Maximum:	13:10:45
	Date of Maximum:	1/5/2011

Calibration	Sensor:	Aerosol
	Cal. date	9/7/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
1/5/2011	7:40:45	0.016
1/5/2011	7:55:45	0.017
1/5/2011	8:10:45	0.023
1/5/2011	8:25:45	0.028
1/5/2011	8:40:45	0.033
1/5/2011	8:55:45	0.032
1/5/2011	9:10:45	0.045
1/5/2011	9:25:45	0.037
1/5/2011	9:40:45	0.031
1/5/2011	9:55:45	0.03
1/5/2011	10:10:45	0.027
1/5/2011	10:25:45	0.023
1/5/2011	10:40:45	0.02
1/5/2011	10:55:45	0.016
1/5/2011	11:10:45	0.013
1/5/2011	11:25:45	0.012
1/5/2011	11:40:45	0.018
1/5/2011	11:55:45	0.015

1/5/2011	12:10:45	0.013
1/5/2011	12:25:45	0.011
1/5/2011	12:40:45	0.012
1/5/2011	12:55:45	0.013
1/5/2011	13:10:45	0.059
1/5/2011	13:25:45	0.02
1/5/2011	13:40:45	0.017
1/5/2011	13:55:45	0.012
1/5/2011	14:10:45	0.012
1/5/2011	14:25:45	0.01
1/5/2011	14:40:45	0.011
1/5/2011	14:55:45	0.012
1/5/2011	15:10:45	0.017
1/5/2011	15:25:45	0.009
1/5/2011	15:40:45	0.01
1/5/2011	15:55:45	0.01
1/5/2011	16:10:45	0.006

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	22811
Test ID:	3
Test Abbreviation:	
Start Date:	1/6/2011
Start Time:	7:37:50
Duration (dd:hh:mm:ss):	00:08:15:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	33
Notes:	Upwind

Statistics		
	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.023
	Minimum:	0.016
	Time of Minimum:	14:52:50
	Date of Minimum:	1/6/2011
	Maximum:	0.035
	Time of Maximum:	10:07:50
	Date of Maximum:	1/6/2011

Calibration		
	Sensor:	Aerosol
	Cal. date	9/7/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
1/6/2011	7:52:50	0.019
1/6/2011	8:07:50	0.02
1/6/2011	8:22:50	0.021
1/6/2011	8:37:50	0.024
1/6/2011	8:52:50	0.022
1/6/2011	9:07:50	0.026
1/6/2011	9:22:50	0.027
1/6/2011	9:37:50	0.03
1/6/2011	9:52:50	0.034
1/6/2011	10:07:50	0.035
1/6/2011	10:22:50	0.029
1/6/2011	10:37:50	0.021
1/6/2011	10:52:50	0.025
1/6/2011	11:07:50	0.025
1/6/2011	11:22:50	0.025
1/6/2011	11:37:50	0.024
1/6/2011	11:52:50	0.027
1/6/2011	12:07:50	0.025

1/6/2011	12:22:50	0.024
1/6/2011	12:37:50	0.024
1/6/2011	12:52:50	0.022
1/6/2011	13:07:50	0.022
1/6/2011	13:22:50	0.022
1/6/2011	13:37:50	0.019
1/6/2011	13:52:50	0.017
1/6/2011	14:07:50	0.017
1/6/2011	14:22:50	0.017
1/6/2011	14:37:50	0.018
1/6/2011	14:52:50	0.016
1/6/2011	15:07:50	0.019
1/6/2011	15:22:50	0.016
1/6/2011	15:37:50	0.017
1/6/2011	15:52:50	0.017

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85201805
Test ID:	1
Test Abbreviation:	
Start Date:	11/17/2010
Start Time:	7:55:07
Duration (dd:hh:mm:ss):	00:08:00:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	32
Notes:	Downwind

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.005
	Minimum:	0
	Time of Minimum:	12:55:07
	Date of Minimum:	11/17/2010
	Maximum:	0.022
	Time of Maximum:	8:10:07
	Date of Maximum:	11/17/2010

Calibration	Sensor:	Aerosol
	Cal. date	6/8/2010

Date MM/dd/yyyy	Time hh:mm:ss	Aerosol mg/m^3
11/17/2010	8:10:07	0.022
11/17/2010	8:25:07	0.012
11/17/2010	8:40:07	0.01
11/17/2010	8:55:07	0.009
11/17/2010	9:10:07	0.011
11/17/2010	9:25:07	0.009
11/17/2010	9:40:07	0.011
11/17/2010	9:55:07	0.006
11/17/2010	10:10:07	0.003
11/17/2010	10:25:07	0.003
11/17/2010	10:40:07	0.003
11/17/2010	10:55:07	0.002
11/17/2010	11:10:07	0.001
11/17/2010	11:25:07	0.002
11/17/2010	11:40:07	0.003
11/17/2010	11:55:07	0.001
11/17/2010	12:10:07	0.001
11/17/2010	12:25:07	0.001

11/17/2010	12:40:07	0.001
11/17/2010	12:55:07	0
11/17/2010	13:10:07	0.001
11/17/2010	13:25:07	0.003
11/17/2010	13:40:07	0.007
11/17/2010	13:55:07	0.004
11/17/2010	14:10:07	0.004
11/17/2010	14:25:07	0.003
11/17/2010	14:40:07	0.002
11/17/2010	14:55:07	0.004
11/17/2010	15:10:07	0.005
11/17/2010	15:25:07	0.007
11/17/2010	15:40:07	0.004
11/17/2010	15:55:07	0.004

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85201805
Test ID:	2
Test Abbreviation:	
Start Date:	11/18/2010
Start Time:	7:40:19
Duration (dd:hh:mm:ss):	00:08:15:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	33
Notes:	

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.01
	Minimum:	0.002
	Time of Minimum:	12:55:19
	Date of Minimum:	11/18/2010
	Maximum:	0.028
	Time of Maximum:	15:40:19
	Date of Maximum:	11/18/2010

Calibration	Sensor:	Aerosol
	Cal. date	6/8/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
11/18/2010	7:55:19	0.018
11/18/2010	8:10:19	0.02
11/18/2010	8:25:19	0.02
11/18/2010	8:40:19	0.02
11/18/2010	8:55:19	0.021
11/18/2010	9:10:19	0.025
11/18/2010	9:25:19	0.023
11/18/2010	9:40:19	0.022
11/18/2010	9:55:19	0.023
11/18/2010	10:10:19	0.024
11/18/2010	10:25:19	0.016
11/18/2010	10:40:19	0.005
11/18/2010	10:55:19	0.004
11/18/2010	11:10:19	0.004
11/18/2010	11:25:19	0.004
11/18/2010	11:40:19	0.003
11/18/2010	11:55:19	0.003
11/18/2010	12:10:19	0.003

11/18/2010	12:25:19	0.003
11/18/2010	12:40:19	0.003
11/18/2010	12:55:19	0.002
11/18/2010	13:10:19	0.003
11/18/2010	13:25:19	0.003
11/18/2010	13:40:19	0.003
11/18/2010	13:55:19	0.003
11/18/2010	14:10:19	0.003
11/18/2010	14:25:19	0.004
11/18/2010	14:40:19	0.007
11/18/2010	14:55:19	0.003
11/18/2010	15:10:19	0.006
11/18/2010	15:25:19	0.003
11/18/2010	15:40:19	0.028
11/18/2010	15:55:19	0.005

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85201805
Test ID:	3
Test Abbreviation:	
Start Date:	11/19/2010
Start Time:	7:32:23
Duration (dd:hh:mm:ss):	00:07:45:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	31
Notes:	

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.014
	Minimum:	0.01
	Time of Minimum:	11:17:23
	Date of Minimum:	11/19/2010
	Maximum:	0.022
	Time of Maximum:	14:17:23
	Date of Maximum:	11/19/2010

Calibration	Sensor:	Aerosol
	Cal. date	6/8/2010

Date MM/dd/yyyy	Time hh:mm:ss	Aerosol mg/m^3
11/19/2010	7:47:23	0.011
11/19/2010	8:02:23	0.011
11/19/2010	8:17:23	0.011
11/19/2010	8:32:23	0.013
11/19/2010	8:47:23	0.011
11/19/2010	9:02:23	0.012
11/19/2010	9:17:23	0.014
11/19/2010	9:32:23	0.011
11/19/2010	9:47:23	0.016
11/19/2010	10:02:23	0.019
11/19/2010	10:17:23	0.015
11/19/2010	10:32:23	0.012
11/19/2010	10:47:23	0.015
11/19/2010	11:02:23	0.011
11/19/2010	11:17:23	0.01
11/19/2010	11:32:23	0.01
11/19/2010	11:47:23	0.014
11/19/2010	12:02:23	0.017

11/19/2010	12:17:23	0.012
11/19/2010	12:32:23	0.012
11/19/2010	12:47:23	0.01
11/19/2010	13:02:23	0.011
11/19/2010	13:17:23	0.016
11/19/2010	13:32:23	0.012
11/19/2010	13:47:23	0.013
11/19/2010	14:02:23	0.019
11/19/2010	14:17:23	0.022
11/19/2010	14:32:23	0.015
11/19/2010	14:47:23	0.014
11/19/2010	15:02:23	0.02
11/19/2010	15:17:23	0.01

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85201805
Test ID:	4
Test Abbreviation:	
Start Date:	11/22/2010
Start Time:	7:37:06
Duration (dd:hh:mm:ss):	00:08:00:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	32
Notes:	

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.012
	Minimum:	0.01
	Time of Minimum:	8:37:06
	Date of Minimum:	11/22/2010
	Maximum:	0.016
	Time of Maximum:	15:37:06
	Date of Maximum:	11/22/2010

Calibration	Sensor:	Aerosol
	Cal. date	6/8/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
11/22/2010	7:52:06	0.013
11/22/2010	8:07:06	0.012
11/22/2010	8:22:06	0.011
11/22/2010	8:37:06	0.01
11/22/2010	8:52:06	0.011
11/22/2010	9:07:06	0.01
11/22/2010	9:22:06	0.01
11/22/2010	9:37:06	0.01
11/22/2010	9:52:06	0.01
11/22/2010	10:07:06	0.011
11/22/2010	10:22:06	0.01
11/22/2010	10:37:06	0.011
11/22/2010	10:52:06	0.011
11/22/2010	11:07:06	0.014
11/22/2010	11:22:06	0.015
11/22/2010	11:37:06	0.014
11/22/2010	11:52:06	0.014
11/22/2010	12:07:06	0.014

11/22/2010	12:22:06	0.014
11/22/2010	12:37:06	0.013
11/22/2010	12:52:06	0.014
11/22/2010	13:07:06	0.013
11/22/2010	13:22:06	0.012
11/22/2010	13:37:06	0.012
11/22/2010	13:52:06	0.011
11/22/2010	14:07:06	0.012
11/22/2010	14:22:06	0.012
11/22/2010	14:37:06	0.012
11/22/2010	14:52:06	0.012
11/22/2010	15:07:06	0.013
11/22/2010	15:22:06	0.013
11/22/2010	15:37:06	0.016

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85201805
Test ID:	5
Test Abbreviation:	
Start Date:	11/23/2010
Start Time:	7:41:07
Duration (dd:hh:mm:ss):	00:08:00:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	32
Notes:	

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.008
	Minimum:	0.003
	Time of Minimum:	13:56:07
	Date of Minimum:	11/23/2010
	Maximum:	0.014
	Time of Maximum:	9:26:07
	Date of Maximum:	11/23/2010

Calibration	Sensor:	Aerosol
	Cal. date	6/8/2010

Date MM/dd/yyyy	Time hh:mm:ss	Aerosol mg/m^3
11/23/2010	7:56:07	0.012
11/23/2010	8:11:07	0.012
11/23/2010	8:26:07	0.012
11/23/2010	8:41:07	0.012
11/23/2010	8:56:07	0.012
11/23/2010	9:11:07	0.012
11/23/2010	9:26:07	0.014
11/23/2010	9:41:07	0.013
11/23/2010	9:56:07	0.012
11/23/2010	10:11:07	0.01
11/23/2010	10:26:07	0.012
11/23/2010	10:41:07	0.011
11/23/2010	10:56:07	0.011
11/23/2010	11:11:07	0.008
11/23/2010	11:26:07	0.006
11/23/2010	11:41:07	0.005
11/23/2010	11:56:07	0.005
11/23/2010	12:11:07	0.005

11/23/2010	12:26:07	0.006
11/23/2010	12:41:07	0.009
11/23/2010	12:56:07	0.006
11/23/2010	13:11:07	0.004
11/23/2010	13:26:07	0.006
11/23/2010	13:41:07	0.004
11/23/2010	13:56:07	0.003
11/23/2010	14:11:07	0.003
11/23/2010	14:26:07	0.003
11/23/2010	14:41:07	0.003
11/23/2010	14:56:07	0.004
11/23/2010	15:11:07	0.004
11/23/2010	15:26:07	0.004
11/23/2010	15:41:07	0.004

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85201481
Test ID:	1
Test Abbreviation:	
Start Date:	12/2/2010
Start Time:	8:18:51
Duration (dd:hh:mm:ss):	00:07:30:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	30
Notes:	D

Statistics		
	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.031
	Minimum:	0.013
	Time of Minimum:	10:33:51
	Date of Minimum:	12/2/2010
	Maximum:	0.048
	Time of Maximum:	11:18:51
	Date of Maximum:	12/2/2010

Calibration		
	Sensor:	Aerosol
	Cal. date	8/27/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
12/2/2010	8:33:51	0.016
12/2/2010	8:48:51	0.043
12/2/2010	9:03:51	0.047
12/2/2010	9:18:51	0.024
12/2/2010	9:33:51	0.035
12/2/2010	9:48:51	0.015
12/2/2010	10:03:51	0.046
12/2/2010	10:18:51	0.025
12/2/2010	10:33:51	0.013
12/2/2010	10:48:51	0.043
12/2/2010	11:03:51	0.022
12/2/2010	11:18:51	0.048
12/2/2010	11:33:51	0.042
12/2/2010	11:48:51	0.04
12/2/2010	12:03:51	0.029
12/2/2010	12:18:51	0.031
12/2/2010	12:33:51	0.037
12/2/2010	12:48:51	0.037

12/2/2010	13:03:51	0.042
12/2/2010	13:18:51	0.023
12/2/2010	13:33:51	0.035
12/2/2010	13:48:51	0.045
12/2/2010	14:03:51	0.018
12/2/2010	14:18:51	0.024
12/2/2010	14:33:51	0.039
12/2/2010	14:48:51	0.014
12/2/2010	15:03:51	0.016
12/2/2010	15:18:51	0.027
12/2/2010	15:33:51	0.018
12/2/2010	15:48:51	0.043

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85201481
Test ID:	2
Test Abbreviation:	
Start Date:	12/3/2010
Start Time:	7:56:50
Duration (dd:hh:mm:ss):	00:05:00:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	20
Notes:	D

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.056
	Minimum:	0.019
	Time of Minimum:	10:41:50
	Date of Minimum:	12/3/2010
	Maximum:	0.078
	Time of Maximum:	11:56:50
	Date of Maximum:	12/3/2010

Calibration	Sensor:	Aerosol
	Cal. date	8/27/2010

Date MM/dd/yyyy	Time hh:mm:ss	Aerosol mg/m^3
12/3/2010	8:11:50	0.07
12/3/2010	8:26:50	0.06
12/3/2010	8:41:50	0.034
12/3/2010	8:56:50	0.058
12/3/2010	9:11:50	0.055
12/3/2010	9:26:50	0.051
12/3/2010	9:41:50	0.055
12/3/2010	9:56:50	0.04
12/3/2010	10:11:50	0.075
12/3/2010	10:26:50	0.041
12/3/2010	10:41:50	0.019
12/3/2010	10:56:50	0.036
12/3/2010	11:11:50	0.065
12/3/2010	11:26:50	0.064
12/3/2010	11:41:50	0.05
12/3/2010	11:56:50	0.078
12/3/2010	12:11:50	0.071
12/3/2010	12:26:50	0.07

12/3/2010	12:41:50	0.049
12/3/2010	12:56:50	0.071

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85201481
Test ID:	1
Test Abbreviation:	
Start Date:	12/15/2010
Start Time:	8:39:46
Duration (dd:hh:mm:ss):	00:08:00:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	32
Notes:	D

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.009
	Minimum:	0.003
	Time of Minimum:	16:09:46
	Date of Minimum:	12/15/2010
	Maximum:	0.089
	Time of Maximum:	10:09:46
	Date of Maximum:	12/15/2010

Calibration	Sensor:	Aerosol
	Cal. date	8/27/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
12/15/2010	8:54:46	0.005
12/15/2010	9:09:46	0.004
12/15/2010	9:24:46	0.004
12/15/2010	9:39:46	0.031
12/15/2010	9:54:46	0.004
12/15/2010	10:09:46	0.089
12/15/2010	10:24:46	0.019
12/15/2010	10:39:46	0.004
12/15/2010	10:54:46	0.006
12/15/2010	11:09:46	0.005
12/15/2010	11:24:46	0.005
12/15/2010	11:39:46	0.005
12/15/2010	11:54:46	0.004
12/15/2010	12:09:46	0.006
12/15/2010	12:24:46	0.004
12/15/2010	12:39:46	0.004
12/15/2010	12:54:46	0.004
12/15/2010	13:09:46	0.005

12/15/2010	13:24:46	0.006
12/15/2010	13:39:46	0.005
12/15/2010	13:54:46	0.007
12/15/2010	14:09:46	0.004
12/15/2010	14:24:46	0.005
12/15/2010	14:39:46	0.005
12/15/2010	14:54:46	0.005
12/15/2010	15:09:46	0.005
12/15/2010	15:24:46	0.014
12/15/2010	15:39:46	0.005
12/15/2010	15:54:46	0.004
12/15/2010	16:09:46	0.003
12/15/2010	16:24:46	0.008
12/15/2010	16:39:46	0.004

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85201481
Test ID:	2
Test Abbreviation:	
Start Date:	12/16/2010
Start Time:	8:05:52
Duration (dd:hh:mm:ss):	00:06:30:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	26
Notes:	D

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.026
	Minimum:	0.016
	Time of Minimum:	8:20:52
	Date of Minimum:	12/16/2010
	Maximum:	0.049
	Time of Maximum:	10:50:52
	Date of Maximum:	12/16/2010

Calibration	Sensor:	Aerosol
	Cal. date	8/27/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
12/16/2010	8:20:52	0.016
12/16/2010	8:35:52	0.017
12/16/2010	8:50:52	0.02
12/16/2010	9:05:52	0.038
12/16/2010	9:20:52	0.041
12/16/2010	9:35:52	0.028
12/16/2010	9:50:52	0.032
12/16/2010	10:05:52	0.029
12/16/2010	10:20:52	0.033
12/16/2010	10:35:52	0.021
12/16/2010	10:50:52	0.049
12/16/2010	11:05:52	0.024
12/16/2010	11:20:52	0.027
12/16/2010	11:35:52	0.022
12/16/2010	11:50:52	0.021
12/16/2010	12:05:52	0.02
12/16/2010	12:20:52	0.027
12/16/2010	12:35:52	0.023

12/16/2010	12:50:52	0.021
12/16/2010	13:05:52	0.022
12/16/2010	13:20:52	0.023
12/16/2010	13:35:52	0.023
12/16/2010	13:50:52	0.022
12/16/2010	14:05:52	0.03
12/16/2010	14:20:52	0.025
12/16/2010	14:35:52	0.03

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85202278
Test ID:	1
Test Abbreviation:	
Start Date:	1/4/2011
Start Time:	7:46:00
Duration (dd:hh:mm:ss):	00:07:45:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	31
Notes:	Downwind

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.031
	Minimum:	0.026
	Time of Minimum:	9:16:00
	Date of Minimum:	1/4/2011
	Maximum:	0.036
	Time of Maximum:	12:31:00
	Date of Maximum:	1/4/2011

Calibration	Sensor:	Aerosol
	Cal. date	11/17/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
1/4/2011	8:01:00	0.028
1/4/2011	8:16:00	0.029
1/4/2011	8:31:00	0.03
1/4/2011	8:46:00	0.028
1/4/2011	9:01:00	0.027
1/4/2011	9:16:00	0.026
1/4/2011	9:31:00	0.027
1/4/2011	9:46:00	0.029
1/4/2011	10:01:00	0.029
1/4/2011	10:16:00	0.029
1/4/2011	10:31:00	0.031
1/4/2011	10:46:00	0.03
1/4/2011	11:01:00	0.032
1/4/2011	11:16:00	0.031
1/4/2011	11:31:00	0.031
1/4/2011	11:46:00	0.032
1/4/2011	12:01:00	0.033
1/4/2011	12:16:00	0.035

1/4/2011	12:31:00	0.036
1/4/2011	12:46:00	0.036
1/4/2011	13:01:00	0.035
1/4/2011	13:16:00	0.032
1/4/2011	13:31:00	0.031
1/4/2011	13:46:00	0.034
1/4/2011	14:01:00	0.032
1/4/2011	14:16:00	0.033
1/4/2011	14:31:00	0.034
1/4/2011	14:46:00	0.035
1/4/2011	15:01:00	0.03
1/4/2011	15:16:00	0.028
1/4/2011	15:31:00	0.027

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85202278
Test ID:	2
Test Abbreviation:	
Start Date:	1/5/2011
Start Time:	7:30:36
Duration (dd:hh:mm:ss):	00:08:30:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	34
Notes:	Downwind

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.017
	Minimum:	0.005
	Time of Minimum:	16:00:36
	Date of Minimum:	1/5/2011
	Maximum:	0.052
	Time of Maximum:	9:15:36
	Date of Maximum:	1/5/2011

Calibration	Sensor:	Aerosol
	Cal. date	11/17/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
1/5/2011	7:45:36	0.017
1/5/2011	8:00:36	0.02
1/5/2011	8:15:36	0.026
1/5/2011	8:30:36	0.032
1/5/2011	8:45:36	0.035
1/5/2011	9:00:36	0.034
1/5/2011	9:15:36	0.052
1/5/2011	9:30:36	0.036
1/5/2011	9:45:36	0.035
1/5/2011	10:00:36	0.032
1/5/2011	10:15:36	0.029
1/5/2011	10:30:36	0.027
1/5/2011	10:45:36	0.026
1/5/2011	11:00:36	0.015
1/5/2011	11:15:36	0.01
1/5/2011	11:30:36	0.011
1/5/2011	11:45:36	0.012
1/5/2011	12:00:36	0.01

1/5/2011	12:15:36	0.01
1/5/2011	12:30:36	0.009
1/5/2011	12:45:36	0.009
1/5/2011	13:00:36	0.01
1/5/2011	13:15:36	0.01
1/5/2011	13:30:36	0.009
1/5/2011	13:45:36	0.008
1/5/2011	14:00:36	0.009
1/5/2011	14:15:36	0.008
1/5/2011	14:30:36	0.007
1/5/2011	14:45:36	0.007
1/5/2011	15:00:36	0.007
1/5/2011	15:15:36	0.006
1/5/2011	15:30:36	0.006
1/5/2011	15:45:36	0.006
1/5/2011	16:00:36	0.005

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85202278
Test ID:	3
Test Abbreviation:	
Start Date:	1/6/2011
Start Time:	7:43:36
Duration (dd:hh:mm:ss):	00:08:00:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	32
Notes:	Downwind

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.019
	Minimum:	0.014
	Time of Minimum:	14:13:36
	Date of Minimum:	1/6/2011
	Maximum:	0.026
	Time of Maximum:	9:43:36
	Date of Maximum:	1/6/2011

Calibration	Sensor:	Aerosol
	Cal. date	11/17/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
1/6/2011	7:58:36	0.019
1/6/2011	8:13:36	0.019
1/6/2011	8:28:36	0.02
1/6/2011	8:43:36	0.02
1/6/2011	8:58:36	0.02
1/6/2011	9:13:36	0.022
1/6/2011	9:28:36	0.024
1/6/2011	9:43:36	0.026
1/6/2011	9:58:36	0.025
1/6/2011	10:13:36	0.026
1/6/2011	10:28:36	0.018
1/6/2011	10:43:36	0.016
1/6/2011	10:58:36	0.018
1/6/2011	11:13:36	0.021
1/6/2011	11:28:36	0.02
1/6/2011	11:43:36	0.02
1/6/2011	11:58:36	0.021
1/6/2011	12:13:36	0.02

1/6/2011	12:28:36	0.02
1/6/2011	12:43:36	0.02
1/6/2011	12:58:36	0.019
1/6/2011	13:13:36	0.019
1/6/2011	13:28:36	0.018
1/6/2011	13:43:36	0.016
1/6/2011	13:58:36	0.015
1/6/2011	14:13:36	0.014
1/6/2011	14:28:36	0.016
1/6/2011	14:43:36	0.016
1/6/2011	14:58:36	0.016
1/6/2011	15:13:36	0.014
1/6/2011	15:28:36	0.014
1/6/2011	15:43:36	0.015

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	22839
Test ID:	1
Test Abbreviation:	
Start Date:	11/17/2010
Start Time:	6:31:43
Duration (dd:hh:mm:ss):	00:08:15:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	33
Notes:	

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.018
	Minimum:	0.014
	Time of Minimum:	6:46:43
	Date of Minimum:	11/17/2010
	Maximum:	0.025
	Time of Maximum:	11:31:43
	Date of Maximum:	11/17/2010

Calibration	Sensor:	Aerosol
	Cal. date	9/23/2010

Date MM/dd/yyyy	Time hh:mm:ss	Aerosol mg/m^3
11/17/2010	6:46:43	0.014
11/17/2010	7:01:43	0.015
11/17/2010	7:16:43	0.017
11/17/2010	7:31:43	0.018
11/17/2010	7:46:43	0.018
11/17/2010	8:01:43	0.019
11/17/2010	8:16:43	0.019
11/17/2010	8:31:43	0.021
11/17/2010	8:46:43	0.023
11/17/2010	9:01:43	0.022
11/17/2010	9:16:43	0.02
11/17/2010	9:31:43	0.02
11/17/2010	9:46:43	0.021
11/17/2010	10:01:43	0.019
11/17/2010	10:16:43	0.019
11/17/2010	10:31:43	0.018
11/17/2010	10:46:43	0.022
11/17/2010	11:01:43	0.023

11/17/2010	11:16:43	0.023
11/17/2010	11:31:43	0.025
11/17/2010	11:46:43	0.016
11/17/2010	12:01:43	0.015
11/17/2010	12:16:43	0.014
11/17/2010	12:31:43	0.015
11/17/2010	12:46:43	0.015
11/17/2010	13:01:43	0.016
11/17/2010	13:16:43	0.016
11/17/2010	13:31:43	0.017
11/17/2010	13:46:43	0.017
11/17/2010	14:01:43	0.015
11/17/2010	14:16:43	0.015
11/17/2010	14:31:43	0.014
11/17/2010	14:46:43	0.014

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	22839
Test ID:	2
Test Abbreviation:	
Start Date:	11/18/2010
Start Time:	6:36:55
Duration (dd:hh:mm:ss):	00:08:00:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	32
Notes:	

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.014
	Minimum:	0.012
	Time of Minimum:	8:06:55
	Date of Minimum:	11/18/2010
	Maximum:	0.018
	Time of Maximum:	10:21:55
	Date of Maximum:	11/18/2010

Calibration	Sensor:	Aerosol
	Cal. date	9/23/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
11/18/2010	6:51:55	0.014
11/18/2010	7:06:55	0.013
11/18/2010	7:21:55	0.013
11/18/2010	7:36:55	0.013
11/18/2010	7:51:55	0.013
11/18/2010	8:06:55	0.012
11/18/2010	8:21:55	0.013
11/18/2010	8:36:55	0.013
11/18/2010	8:51:55	0.012
11/18/2010	9:06:55	0.013
11/18/2010	9:21:55	0.012
11/18/2010	9:36:55	0.013
11/18/2010	9:51:55	0.014
11/18/2010	10:06:55	0.016
11/18/2010	10:21:55	0.018
11/18/2010	10:36:55	0.016
11/18/2010	10:51:55	0.017
11/18/2010	11:06:55	0.016

11/18/2010	11:21:55	0.016
11/18/2010	11:36:55	0.016
11/18/2010	11:51:55	0.016
11/18/2010	12:06:55	0.015
11/18/2010	12:21:55	0.014
11/18/2010	12:36:55	0.014
11/18/2010	12:51:55	0.014
11/18/2010	13:06:55	0.014
11/18/2010	13:21:55	0.015
11/18/2010	13:36:55	0.014
11/18/2010	13:51:55	0.015
11/18/2010	14:06:55	0.015
11/18/2010	14:21:55	0.015
11/18/2010	14:36:55	0.017

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	22839
Test ID:	3
Test Abbreviation:	
Start Date:	11/19/2010
Start Time:	6:45:59
Duration (dd:hh:mm:ss):	00:08:15:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	33
Notes:	

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.014
	Minimum:	0.007
	Time of Minimum:	11:30:59
	Date of Minimum:	11/19/2010
	Maximum:	0.027
	Time of Maximum:	9:00:59
	Date of Maximum:	11/19/2010

Calibration	Sensor:	Aerosol
	Cal. date	9/23/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
11/19/2010	7:00:59	0.021
11/19/2010	7:15:59	0.024
11/19/2010	7:30:59	0.022
11/19/2010	7:45:59	0.022
11/19/2010	8:00:59	0.022
11/19/2010	8:15:59	0.026
11/19/2010	8:30:59	0.025
11/19/2010	8:45:59	0.024
11/19/2010	9:00:59	0.027
11/19/2010	9:15:59	0.026
11/19/2010	9:30:59	0.018
11/19/2010	9:45:59	0.011
11/19/2010	10:00:59	0.012
11/19/2010	10:15:59	0.008
11/19/2010	10:30:59	0.01
11/19/2010	10:45:59	0.011
11/19/2010	11:00:59	0.011
11/19/2010	11:15:59	0.008

11/19/2010	11:30:59	0.007
11/19/2010	11:45:59	0.009
11/19/2010	12:00:59	0.007
11/19/2010	12:15:59	0.008
11/19/2010	12:30:59	0.009
11/19/2010	12:45:59	0.009
11/19/2010	13:00:59	0.007
11/19/2010	13:15:59	0.008
11/19/2010	13:30:59	0.01
11/19/2010	13:45:59	0.009
11/19/2010	14:00:59	0.009
11/19/2010	14:15:59	0.013
11/19/2010	14:30:59	0.012
11/19/2010	14:45:59	0.011
11/19/2010	15:00:59	0.009

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	22839
Test ID:	4
Test Abbreviation:	
Start Date:	11/22/2010
Start Time:	6:41:06
Duration (dd:hh:mm:ss):	00:08:00:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	32
Notes:	

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.01
	Minimum:	0.006
	Time of Minimum:	10:56:06
	Date of Minimum:	11/22/2010
	Maximum:	0.015
	Time of Maximum:	6:56:06
	Date of Maximum:	11/22/2010

Calibration	Sensor:	Aerosol
	Cal. date	9/23/2010

Date MM/dd/yyyy	Time hh:mm:ss	Aerosol mg/m^3
11/22/2010	6:56:06	0.015
11/22/2010	7:11:06	0.014
11/22/2010	7:26:06	0.014
11/22/2010	7:41:06	0.014
11/22/2010	7:56:06	0.014
11/22/2010	8:11:06	0.015
11/22/2010	8:26:06	0.014
11/22/2010	8:41:06	0.013
11/22/2010	8:56:06	0.013
11/22/2010	9:11:06	0.013
11/22/2010	9:26:06	0.012
11/22/2010	9:41:06	0.012
11/22/2010	9:56:06	0.011
11/22/2010	10:11:06	0.01
11/22/2010	10:26:06	0.009
11/22/2010	10:41:06	0.007
11/22/2010	10:56:06	0.006
11/22/2010	11:11:06	0.007

11/22/2010	11:26:06	0.007
11/22/2010	11:41:06	0.007
11/22/2010	11:56:06	0.007
11/22/2010	12:11:06	0.006
11/22/2010	12:26:06	0.006
11/22/2010	12:41:06	0.006
11/22/2010	12:56:06	0.006
11/22/2010	13:11:06	0.006
11/22/2010	13:26:06	0.006
11/22/2010	13:41:06	0.006
11/22/2010	13:56:06	0.007
11/22/2010	14:11:06	0.008
11/22/2010	14:26:06	0.008
11/22/2010	14:41:06	0.008

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	22839
Test ID:	5
Test Abbreviation:	
Start Date:	11/23/2010
Start Time:	6:37:07
Duration (dd:hh:mm:ss):	00:07:45:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	31
Notes:	

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.01
	Minimum:	0.008
	Time of Minimum:	8:22:07
	Date of Minimum:	11/23/2010
	Maximum:	0.012
	Time of Maximum:	6:52:07
	Date of Maximum:	11/23/2010

Calibration	Sensor:	Aerosol
	Cal. date	9/23/2010

Date MM/dd/yyyy	Time hh:mm:ss	Aerosol mg/m^3
11/23/2010	6:52:07	0.012
11/23/2010	7:07:07	0.012
11/23/2010	7:22:07	0.012
11/23/2010	7:37:07	0.011
11/23/2010	7:52:07	0.01
11/23/2010	8:07:07	0.011
11/23/2010	8:22:07	0.008
11/23/2010	8:37:07	0.008
11/23/2010	8:52:07	0.008
11/23/2010	9:07:07	0.008
11/23/2010	9:22:07	0.009
11/23/2010	9:37:07	0.008
11/23/2010	9:52:07	0.008
11/23/2010	10:07:07	0.008
11/23/2010	10:22:07	0.009
11/23/2010	10:37:07	0.008
11/23/2010	10:52:07	0.01
11/23/2010	11:07:07	0.01

11/23/2010	11:22:07	0.01
11/23/2010	11:37:07	0.011
11/23/2010	11:52:07	0.011
11/23/2010	12:07:07	0.011
11/23/2010	12:22:07	0.012
11/23/2010	12:37:07	0.01
11/23/2010	12:52:07	0.011
11/23/2010	13:07:07	0.011
11/23/2010	13:22:07	0.01
11/23/2010	13:37:07	0.011
11/23/2010	13:52:07	0.012
11/23/2010	14:07:07	0.011
11/23/2010	14:22:07	0.011

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85201805
Test ID:	1
Test Abbreviation:	
Start Date:	12/2/2010
Start Time:	8:05:38
Duration (dd:hh:mm:ss):	00:07:45:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	31
Notes:	exxon

Statistics		
	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.025
	Minimum:	0.018
	Time of Minimum:	8:20:38
	Date of Minimum:	12/2/2010
	Maximum:	0.03
	Time of Maximum:	11:35:38
	Date of Maximum:	12/2/2010

Calibration		
	Sensor:	Aerosol
	Cal. date	6/8/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
12/2/2010	8:20:38	0.018
12/2/2010	8:35:38	0.022
12/2/2010	8:50:38	0.026
12/2/2010	9:05:38	0.026
12/2/2010	9:20:38	0.026
12/2/2010	9:35:38	0.024
12/2/2010	9:50:38	0.023
12/2/2010	10:05:38	0.023
12/2/2010	10:20:38	0.022
12/2/2010	10:35:38	0.02
12/2/2010	10:50:38	0.029
12/2/2010	11:05:38	0.023
12/2/2010	11:20:38	0.02
12/2/2010	11:35:38	0.03
12/2/2010	11:50:38	0.028
12/2/2010	12:05:38	0.028
12/2/2010	12:20:38	0.027
12/2/2010	12:35:38	0.022

12/2/2010	12:50:38	0.023
12/2/2010	13:05:38	0.029
12/2/2010	13:20:38	0.026
12/2/2010	13:35:38	0.027
12/2/2010	13:50:38	0.027
12/2/2010	14:05:38	0.022
12/2/2010	14:20:38	0.03
12/2/2010	14:35:38	0.023
12/2/2010	14:50:38	0.024
12/2/2010	15:05:38	0.025
12/2/2010	15:20:38	0.024
12/2/2010	15:35:38	0.023
12/2/2010	15:50:38	0.022

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85201805
Test ID:	2
Test Abbreviation:	
Start Date:	12/3/2010
Start Time:	7:54:51
Duration (dd:hh:mm:ss):	00:05:15:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	21
Notes:	exxon

Statistics		
	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.024
	Minimum:	0.008
	Time of Minimum:	8:09:51
	Date of Minimum:	12/3/2010
	Maximum:	0.042
	Time of Maximum:	11:39:51
	Date of Maximum:	12/3/2010

Calibration		
	Sensor:	Aerosol
	Cal. date	6/8/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
12/3/2010	8:09:51	0.008
12/3/2010	8:24:51	0.012
12/3/2010	8:39:51	0.012
12/3/2010	8:54:51	0.018
12/3/2010	9:09:51	0.021
12/3/2010	9:24:51	0.023
12/3/2010	9:39:51	0.024
12/3/2010	9:54:51	0.026
12/3/2010	10:09:51	0.027
12/3/2010	10:24:51	0.026
12/3/2010	10:39:51	0.028
12/3/2010	10:54:51	0.026
12/3/2010	11:09:51	0.024
12/3/2010	11:24:51	0.027
12/3/2010	11:39:51	0.042
12/3/2010	11:54:51	0.027
12/3/2010	12:09:51	0.027
12/3/2010	12:24:51	0.023

12/3/2010	12:39:51	0.03
12/3/2010	12:54:51	0.025
12/3/2010	13:09:51	0.023

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85201786
Test ID:	1
Test Abbreviation:	
Start Date:	12/15/2010
Start Time:	9:59:09
Duration (dd:hh:mm:ss):	00:08:00:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	32
Notes:	DE

Statistics		
	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.003
	Minimum:	0.001
	Time of Minimum:	10:14:09
	Date of Minimum:	12/15/2010
	Maximum:	0.004
	Time of Maximum:	14:44:09
	Date of Maximum:	12/15/2010

Calibration		
	Sensor:	Aerosol
	Cal. date	11/15/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
12/15/2010	10:14:09	0.001
12/15/2010	10:29:09	0.002
12/15/2010	10:44:09	0.002
12/15/2010	10:59:09	0.002
12/15/2010	11:14:09	0.002
12/15/2010	11:29:09	0.003
12/15/2010	11:44:09	0.002
12/15/2010	11:59:09	0.002
12/15/2010	12:14:09	0.003
12/15/2010	12:29:09	0.003
12/15/2010	12:44:09	0.003
12/15/2010	12:59:09	0.003
12/15/2010	13:14:09	0.003
12/15/2010	13:29:09	0.003
12/15/2010	13:44:09	0.003
12/15/2010	13:59:09	0.003
12/15/2010	14:14:09	0.003
12/15/2010	14:29:09	0.003

12/15/2010	14:44:09	0.004
12/15/2010	14:59:09	0.004
12/15/2010	15:14:09	0.003
12/15/2010	15:29:09	0.003
12/15/2010	15:44:09	0.003
12/15/2010	15:59:09	0.003
12/15/2010	16:14:09	0.002
12/15/2010	16:29:09	0.002
12/15/2010	16:44:09	0.002
12/15/2010	16:59:09	0.002
12/15/2010	17:14:09	0.002
12/15/2010	17:29:09	0.002
12/15/2010	17:44:09	0.002
12/15/2010	17:59:09	0.001

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85201786
Test ID:	2
Test Abbreviation:	
Start Date:	12/16/2010
Start Time:	9:24:37
Duration (dd:hh:mm:ss):	00:06:30:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	26
Notes:	DE

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.034
	Minimum:	0.013
	Time of Minimum:	9:39:37
	Date of Minimum:	12/16/2010
	Maximum:	0.099
	Time of Maximum:	14:09:37
	Date of Maximum:	12/16/2010

Calibration	Sensor:	Aerosol
	Cal. date	11/15/2010

Date MM/dd/yyyy	Time hh:mm:ss	Aerosol mg/m^3
12/16/2010	9:39:37	0.013
12/16/2010	9:54:37	0.014
12/16/2010	10:09:37	0.03
12/16/2010	10:24:37	0.042
12/16/2010	10:39:37	0.019
12/16/2010	10:54:37	0.015
12/16/2010	11:09:37	0.017
12/16/2010	11:24:37	0.017
12/16/2010	11:39:37	0.015
12/16/2010	11:54:37	0.026
12/16/2010	12:09:37	0.027
12/16/2010	12:24:37	0.031
12/16/2010	12:39:37	0.016
12/16/2010	12:54:37	0.086
12/16/2010	13:09:37	0.015
12/16/2010	13:24:37	0.015
12/16/2010	13:39:37	0.017
12/16/2010	13:54:37	0.016

12/16/2010	14:09:37	0.099
12/16/2010	14:24:37	0.075
12/16/2010	14:39:37	0.067
12/16/2010	14:54:37	0.076
12/16/2010	15:09:37	0.031
12/16/2010	15:24:37	0.041
12/16/2010	15:39:37	0.029
12/16/2010	15:54:37	0.027

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85202283
Test ID:	1
Test Abbreviation:	
Start Date:	1/4/2011
Start Time:	7:44:37
Duration (dd:hh:mm:ss):	00:07:45:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	31
Notes:	DE

Statistics		
	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.04
	Minimum:	0.027
	Time of Minimum:	7:59:37
	Date of Minimum:	1/4/2011
	Maximum:	0.084
	Time of Maximum:	13:59:37
	Date of Maximum:	1/4/2011

Calibration		
	Sensor:	Aerosol
	Cal. date	11/16/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
1/4/2011	7:59:37	0.027
1/4/2011	8:14:37	0.034
1/4/2011	8:29:37	0.033
1/4/2011	8:44:37	0.039
1/4/2011	8:59:37	0.034
1/4/2011	9:14:37	0.037
1/4/2011	9:29:37	0.039
1/4/2011	9:44:37	0.035
1/4/2011	9:59:37	0.033
1/4/2011	10:14:37	0.034
1/4/2011	10:29:37	0.036
1/4/2011	10:44:37	0.039
1/4/2011	10:59:37	0.037
1/4/2011	11:14:37	0.037
1/4/2011	11:29:37	0.034
1/4/2011	11:44:37	0.037
1/4/2011	11:59:37	0.038
1/4/2011	12:14:37	0.037

1/4/2011	12:29:37	0.036
1/4/2011	12:44:37	0.036
1/4/2011	12:59:37	0.036
1/4/2011	13:14:37	0.077
1/4/2011	13:29:37	0.039
1/4/2011	13:44:37	0.042
1/4/2011	13:59:37	0.084
1/4/2011	14:14:37	0.075
1/4/2011	14:29:37	0.038
1/4/2011	14:44:37	0.038
1/4/2011	14:59:37	0.031
1/4/2011	15:14:37	0.029
1/4/2011	15:29:37	0.029

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85202283
Test ID:	2
Test Abbreviation:	
Start Date:	1/5/2011
Start Time:	7:29:16
Duration (dd:hh:mm:ss):	00:08:30:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	34
Notes:	DE

Statistics	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.018
	Minimum:	0.006
	Time of Minimum:	15:59:16
	Date of Minimum:	1/5/2011
	Maximum:	0.053
	Time of Maximum:	9:14:16
	Date of Maximum:	1/5/2011

Calibration	Sensor:	Aerosol
	Cal. date	11/16/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
1/5/2011	7:44:16	0.017
1/5/2011	7:59:16	0.021
1/5/2011	8:14:16	0.026
1/5/2011	8:29:16	0.038
1/5/2011	8:44:16	0.046
1/5/2011	8:59:16	0.043
1/5/2011	9:14:16	0.053
1/5/2011	9:29:16	0.039
1/5/2011	9:44:16	0.031
1/5/2011	9:59:16	0.028
1/5/2011	10:14:16	0.023
1/5/2011	10:29:16	0.023
1/5/2011	10:44:16	0.023
1/5/2011	10:59:16	0.012
1/5/2011	11:14:16	0.011
1/5/2011	11:29:16	0.011
1/5/2011	11:44:16	0.012
1/5/2011	11:59:16	0.011

1/5/2011	12:14:16	0.011
1/5/2011	12:29:16	0.01
1/5/2011	12:44:16	0.01
1/5/2011	12:59:16	0.01
1/5/2011	13:14:16	0.009
1/5/2011	13:29:16	0.009
1/5/2011	13:44:16	0.009
1/5/2011	13:59:16	0.009
1/5/2011	14:14:16	0.008
1/5/2011	14:29:16	0.008
1/5/2011	14:44:16	0.007
1/5/2011	14:59:16	0.008
1/5/2011	15:14:16	0.007
1/5/2011	15:29:16	0.007
1/5/2011	15:44:16	0.007
1/5/2011	15:59:16	0.006

TrakPro Version 3.41 ASCII Data File

Model:	Dust Trak
Serial Number:	85202283
Test ID:	3
Test Abbreviation:	
Start Date:	1/6/2011
Start Time:	7:42:19
Duration (dd:hh:mm:ss):	00:08:00:00
Time constant (seconds):	10
Log Interval (mm:ss):	15:00
Number of points:	32
Notes:	DE

Statistics		
	Channel:	Aerosol
	Units:	mg/m^3
	Average:	0.023
	Minimum:	0.015
	Time of Minimum:	15:27:19
	Date of Minimum:	1/6/2011
	Maximum:	0.037
	Time of Maximum:	9:42:19
	Date of Maximum:	1/6/2011

Calibration		
	Sensor:	Aerosol
	Cal. date	11/16/2010

Date	Time	Aerosol
MM/dd/yyyy	hh:mm:ss	mg/m^3
1/6/2011	7:57:19	0.019
1/6/2011	8:12:19	0.03
1/6/2011	8:27:19	0.028
1/6/2011	8:42:19	0.029
1/6/2011	8:57:19	0.024
1/6/2011	9:12:19	0.026
1/6/2011	9:27:19	0.026
1/6/2011	9:42:19	0.037
1/6/2011	9:57:19	0.025
1/6/2011	10:12:19	0.021
1/6/2011	10:27:19	0.031
1/6/2011	10:42:19	0.025
1/6/2011	10:57:19	0.034
1/6/2011	11:12:19	0.031
1/6/2011	11:27:19	0.026
1/6/2011	11:42:19	0.023
1/6/2011	11:57:19	0.023
1/6/2011	12:12:19	0.022

1/6/2011	12:27:19	0.025
1/6/2011	12:42:19	0.022
1/6/2011	12:57:19	0.021
1/6/2011	13:12:19	0.02
1/6/2011	13:27:19	0.019
1/6/2011	13:42:19	0.018
1/6/2011	13:57:19	0.017
1/6/2011	14:12:19	0.019
1/6/2011	14:27:19	0.025
1/6/2011	14:42:19	0.021
1/6/2011	14:57:19	0.017
1/6/2011	15:12:19	0.016
1/6/2011	15:27:19	0.015
1/6/2011	15:42:19	0.016

Table 1
Summary of Air Sample Analytical Results

Chevron Environmental Management Company
Former Tappan Terminal Site
Hastings-on-Hudson, New York

Location ID: / Date Collected:	Units	Ambient 11/10/10
Volatile Organics		
1,1,1-Trichloroethane	ug/m3	1.1 U
1,1,2,2-Tetrachloroethane	ug/m3	1.4 U
1,1,2-trichloro-1,2,2-trifluoroethane	ug/m3	1.5 U
1,1,2-Trichloroethane	ug/m3	1.1 U
1,1-Dichloroethane	ug/m3	0.81 U
1,1-Dichloroethene	ug/m3	0.79 U
1,2,4-Trichlorobenzene	ug/m3	3.7 U
1,2,4-Trimethylbenzene	ug/m3	0.98 U
1,2-Dibromoethane	ug/m3	1.5 U
1,2-Dichlorobenzene	ug/m3	1.2 U
1,2-Dichloroethane	ug/m3	0.81 U
1,2-Dichloroethene (total)	ug/m3	0.79 U
1,2-Dichloropropane	ug/m3	0.92 U
1,2-Dichlorotetrafluoroethane	ug/m3	1.4 U
1,3,5-Trimethylbenzene	ug/m3	0.98 U
1,3-Butadiene	ug/m3	0.44 U
1,3-Dichlorobenzene	ug/m3	1.2 U
1,4-Dichlorobenzene	ug/m3	1.2 U
1,4-Dioxane	ug/m3	18 U
2,2,4-Trimethylpentane	ug/m3	0.93 U
2-Butanone	ug/m3	1.5 U
2-Chlorotoluene	ug/m3	1.0 U
2-Hexanone	ug/m3	2.0 U
3-Chloropropene	ug/m3	1.6 U
4-Ethyltoluene	ug/m3	0.98 U
4-Methyl-2-pentanone	ug/m3	2.0 U
Acetone	ug/m3	12 U
Benzene	ug/m3	0.64 U
Benzyl Chloride	ug/m3	1.0 U
Bromodichloromethane	ug/m3	1.3 U
Bromoethene(Vinyl Bromide)	ug/m3	0.87 U
Bromoform	ug/m3	2.1 U
Bromomethane	ug/m3	0.78 U
Carbon Disulfide	ug/m3	1.6 U
Carbon Tetrachloride	ug/m3	1.3 U
Chlorobenzene	ug/m3	0.92 U
Chloroethane	ug/m3	1.3 U
Chloroform	ug/m3	0.98 U
Chloromethane	ug/m3	1.3
cis-1,2-Dichloroethene	ug/m3	0.79 U
cis-1,3-Dichloropropene	ug/m3	0.91 U
Cyclohexane	ug/m3	0.69 U
Dibromochloromethane	ug/m3	1.7 U
Dichlorodifluoromethane	ug/m3	2.9
Ethylbenzene	ug/m3	0.87 U
Freon 22	ug/m3	1.8 U
Hexachlorobutadiene	ug/m3	2.1 U
Isopropyl alcohol	ug/m3	12 U
Isopropylbenzene	ug/m3	0.98 U
m,p-Xylene	ug/m3	2.2 U
Methyl Methacrylate	ug/m3	2.0 U
Methyl tert-butyl ether	ug/m3	0.72 U
Methylene Chloride	ug/m3	1.7 U
Naphthalene	ug/m3	2.6 U
n-Butane	ug/m3	1.2 U
n-Butylbenzene	ug/m3	1.1 U
n-Heptane	ug/m3	0.82 U
n-Hexane	ug/m3	0.70 U
n-Propylbenzene	ug/m3	0.98 U
o-Xylene	ug/m3	0.87 U

See Notes on Page 3.

Table 1
Summary of Air Sample Analytical Results

Chevron Environmental Management Company
Former Tappan Terminal Site
Hastings-on-Hudson, New York

Location ID: / Date Collected:	Units	Ambient 11/10/10
Volatile Organics (Cont.)		
p-Isopropyltoluene	ug/m3	1.1 U
sec-Butylbenzene	ug/m3	1.1 U
Styrene	ug/m3	0.85 U
tert-Butyl alcohol	ug/m3	15 U
tert-Butylbenzene	ug/m3	1.1 U
Tetrachloroethene	ug/m3	1.4 U
Tetrahydrofuran	ug/m3	15 U
Toluene	ug/m3	1.7
trans-1,2-Dichloroethene	ug/m3	0.79 U
trans-1,3-Dichloropropene	ug/m3	0.91 U
Trichloroethene	ug/m3	1.1 U
Trichlorofluoromethane	ug/m3	1.5
Vinyl Chloride	ug/m3	0.51 U
Xylenes (total)	ug/m3	0.87 U
VOCs - PPBV		
1,1,1-Trichloroethane	ppb v/v	0.20 U
1,1,2,2-Tetrachloroethane	ppb v/v	0.20 U
1,1,2-trichloro-1,2,2-trifluoroethane	ppb v/v	0.20 U
1,1,2-Trichloroethane	ppb v/v	0.20 U
1,1-Dichloroethane	ppb v/v	0.20 U
1,1-Dichloroethene	ppb v/v	0.20 U
1,2,4-Trichlorobenzene	ppb v/v	0.50 U
1,2,4-Trimethylbenzene	ppb v/v	0.20 U
1,2-Dibromoethane	ppb v/v	0.20 U
1,2-Dichlorobenzene	ppb v/v	0.20 U
1,2-Dichloroethane	ppb v/v	0.20 U
1,2-Dichloroethene (total)	ppb v/v	0.20 U
1,2-Dichloropropane	ppb v/v	0.20 U
1,2-Dichlorotetrafluoroethane	ppb v/v	0.20 U
1,3,5-Trimethylbenzene	ppb v/v	0.20 U
1,3-Butadiene	ppb v/v	0.20 U
1,3-Dichlorobenzene	ppb v/v	0.20 U
1,4-Dichlorobenzene	ppb v/v	0.20 U
1,4-Dioxane	ppb v/v	5.0 U
2,2,4-Trimethylpentane	ppb v/v	0.20 U
2-Butanone	ppb v/v	0.50 U
2-Chlorotoluene	ppb v/v	0.20 U
2-Hexanone	ppb v/v	0.50 U
3-Chloropropene	ppb v/v	0.50 U
4-Ethyltoluene	ppb v/v	0.20 U
4-Methyl-2-pentanone	ppb v/v	0.50 U
Acetone	ppb v/v	5.0 U
Benzene	ppb v/v	0.20 U
Benzyl Chloride	ppb v/v	0.20 U
Bromodichloromethane	ppb v/v	0.20 U
Bromoethene(Vinyl Bromide)	ppb v/v	0.20 U
Bromoform	ppb v/v	0.20 U
Bromomethane	ppb v/v	0.20 U
Carbon Disulfide	ppb v/v	0.50 U
Carbon Tetrachloride	ppb v/v	0.20 U
Chlorobenzene	ppb v/v	0.20 U
Chloroethane	ppb v/v	0.50 U
Chloroform	ppb v/v	0.20 U
Chloromethane	ppb v/v	0.64
cis-1,2-Dichloroethene	ppb v/v	0.20 U
cis-1,3-Dichloropropene	ppb v/v	0.20 U
Cyclohexane	ppb v/v	0.20 U
Dibromochloromethane	ppb v/v	0.20 U
Dichlorodifluoromethane	ppb v/v	0.58
Ethylbenzene	ppb v/v	0.20 U
Freon 22	ppb v/v	0.50 U

See Notes on Page 3.

Table 1
Summary of Air Sample Analytical Results

Chevron Environmental Management Company
Former Tappan Terminal Site
Hastings-on-Hudson, New York

Location ID: / Date Collected:	Units	Ambient 11/10/10
VOCs - PPBV (Cont.)		
Hexachlorobutadiene	ppb v/v	0.20 U
Isopropyl alcohol	ppb v/v	5.0 U
Isopropylbenzene	ppb v/v	0.20 U
m,p-Xylene	ppb v/v	0.50 U
Methyl Methacrylate	ppb v/v	0.50 U
Methyl tert-butyl ether	ppb v/v	0.20 U
Methylene Chloride	ppb v/v	0.50 U
Naphthalene	ppb v/v	0.50 U
n-Butane	ppb v/v	0.50 U
n-Butylbenzene	ppb v/v	0.20 U
n-Heptane	ppb v/v	0.20 U
n-Hexane	ppb v/v	0.20 U
n-Propylbenzene	ppb v/v	0.20 U
o-Xylene	ppb v/v	0.20 U
p-Isopropyltoluene	ppb v/v	0.20 U
sec-Butylbenzene	ppb v/v	0.20 U
Styrene	ppb v/v	0.20 U
tert-Butyl alcohol	ppb v/v	5.0 U
tert-Butylbenzene	ppb v/v	0.20 U
Tetrachloroethene	ppb v/v	0.20 U
Tetrahydrofuran	ppb v/v	5.0 U
Toluene	ppb v/v	0.46
trans-1,2-Dichloroethene	ppb v/v	0.20 U
trans-1,3-Dichloropropene	ppb v/v	0.20 U
Trichloroethene	ppb v/v	0.20 U
Trichlorofluoromethane	ppb v/v	0.26
Vinyl Chloride	ppb v/v	0.20 U
Xylenes (total)	ppb v/v	0.20 U

Notes:
U = The compound was analyzed for but not detected. The associated value is the compound quantitation limit.
ug/L = micrograms per liter
ppb = parts per billion (volume)

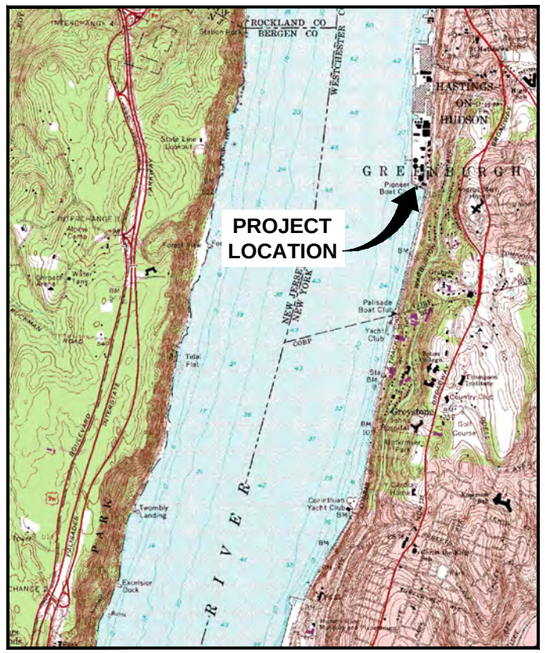
APPENDIX F

As-Built Drawings

RECORD DRAWINGS

FORMER TAPPAN TERMINAL SITE
AREA OF CONCERN 2
CONSTRUCTION COMPLETION REPORT

EASTERN PARCEL SOIL REMEDIATION



REFERENCE: USGS 7.5 MIN. QUAD MAP, YONKERS, NY-NJ, 1966, PHOTOREVISED 1979.

LOCATION MAP

0 2000' 4000'

GRAPHIC SCALE

AREA LOCATION

NEW YORK

DATE ISSUED / DATE REVISED

DECEMBER 2015

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY
HASTINGS-ON-HUDSON, NEW YORK

ARCADIS

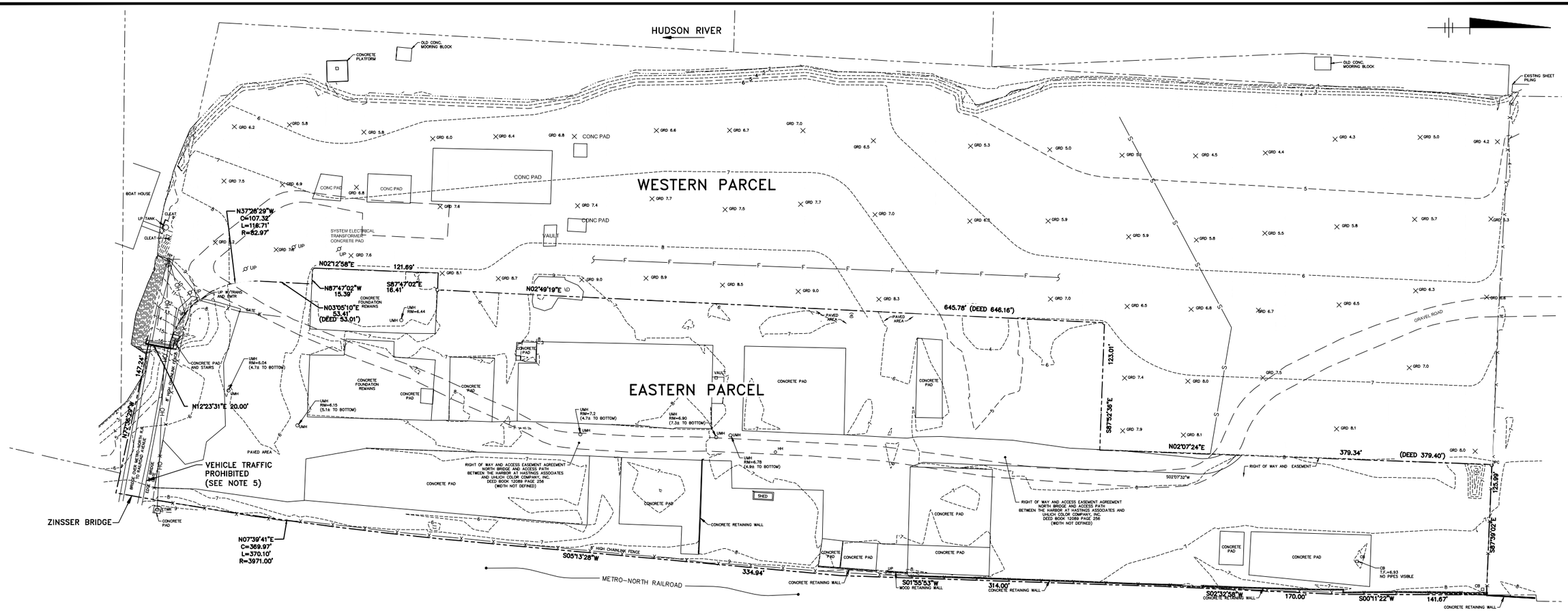
ARCADIS OF NEW YORK, INC.

INDEX TO DRAWINGS

1	PRE-CONSTRUCTION SITE PLAN
2	FINAL GRADING/RESTORATION PLAN (SOUTH)
3	FINAL GRADING/RESTORATION PLAN (NORTH)
4	CROSS SECTIONS
5	CROSS SECTIONS
6	MISCELLANEOUS DETAILS
7	MISCELLANEOUS DETAILS

CITY: SYRACUSE, NY DIV/GROUP: ENVCAD DB: A. SAMIOS L. FORAKER LD: A. SAMIOS PIC: M. FLEISCHNER PM: W. McCUNE TM: M. HIGGINS LYR:ON=*;OFF=*REF*
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CITY: SYRACUSE, NY DIV/GROUP: ENV/CAD DB: A. SAMIOS L. FORAKER LD: A. SAMIOS PIC: M. FLEISCHNER PM: W. McCUNE TM: M. HIGGINS LYR: ON="OFF"="REF"
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LEGEND:

- EASTERN PARCEL PROPERTY BOUNDARY
- ADJACENT PROPERTY BOUNDARY
- EASEMENT BOUNDARY
- EDGE OF PAVEMENT/CONCRETE
- EDGE OF GRAVEL
- FENCE
- EDGE OF MEAN HIGH WATER 1.85 FT (SEE NOTE 4)
- 1-FT PRE-CONSTRUCTION ELEVATION CONTOUR
- 5-FT PRE-CONSTRUCTION ELEVATION CONTOUR
- OVERHEAD UTILITY LINE
- STORM SEWER (42"ø CORRUGATED PIPE)
- CATCH BASIN
- UNKNOWN UTILITY MANHOLE
- UTILITY POLE
- UTILITY POLE W/ ELEC. RISER
- UTILITY POLE W/ LIGHT
- ELECTRICAL TOWER
- APPROXIMATE LOCATION OF EXISTING ABANDONED FIRE WATER LINE
- WESTERN PARCEL AS-BUILT SURVEY SPOT ELEVATION

NOTES:

1. BASEMAP INFORMATION BASED ON TOPOGRAPHIC SURVEYS CONDUCTED IN JANUARY 2011 BY C.T. MALE ASSOCIATES, P.C., AND MAY 2011 BY ANGLE OF ATTACK LAND SURVEYING, LLC.,
2. HORIZONTAL DATUM IS STATE PLANE, NAD 83, NEW YORK EAST ZONE. VERTICAL DATUM SHOWN IS NAVD 88.
3. LOCATION OF UTILITIES SHOWN ARE APPROXIMATE ONLY AND ALL UTILITIES MAY NOT BE SHOWN.
4. MEAN HIGH WATER ELEVATION OBTAINED FROM ALPINE, HUDSON RIVER, NJ STATION.

CERTIFICATION STATEMENT:

I, JOSEPH MOLINA III., P.E., CERTIFY THAT I AM CURRENTLY A NYS REGISTERED PROFESSIONAL ENGINEER, I HAD PRIMARY DIRECT RESPONSIBILITY FOR THE IMPLEMENTATION OF THE SUBJECT CONSTRUCTION PROGRAM, AND I CERTIFY THAT THE REMEDIAL WORK PLAN (OR REMEDIAL DESIGN OR PLANS AND SPECIFICATIONS) WAS IMPLEMENTED AND THAT ALL CONSTRUCTION ACTIVITIES WERE COMPLETED IN SUBSTANTIAL CONFORMANCE WITH THE DER-APPROVED REMEDIAL WORK PLAN (OR REMEDIAL DESIGN OR PLANS AND SPECIFICATIONS).

XREFS:
46918X02
46918X01
46918X05
46918X00

IMAGES:

RECORD DRAWINGS

(RECORD DRAWING: MADE FROM DRAWING NO. 1, TRACER NO. 46918G01.dwg, DATED APRIL 2013)

DATE_____BY_____

50' 0 50' 100'
1"=50'

THIS BAR REPRESENTS ONE INCH ON THE ORIGINAL DRAWING: USE TO VERIFY FIGURE REPRODUCTION SCALE

No.	Date	Revisions	By	Ckd

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Professional Engineer's Name		
JOSEPH MOLINA III, P.E.		
Professional Engineer's No.		
072644		
State	Date Signed	Project Mgr.
NY		
Designed by	Drawn by	Checked by
RLP/MR	AGS	MBH

ARCADIS

ARCADIS OF NEW YORK, INC.

NO ALTERATIONS PERMITTED HEREON EXCEPT AS PROVIDED UNDER SECTION 7209 SUBDIVISION 2 OF THE NEW YORK STATE EDUCATION LAW

CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY • FORMER TAPPAN TERMINAL SITE, HASTINGS-ON-HUDSON, NEW YORK

EASTERN PARCEL SOIL REMEDIATION - CONSTRUCTION COMPLETION REPORT

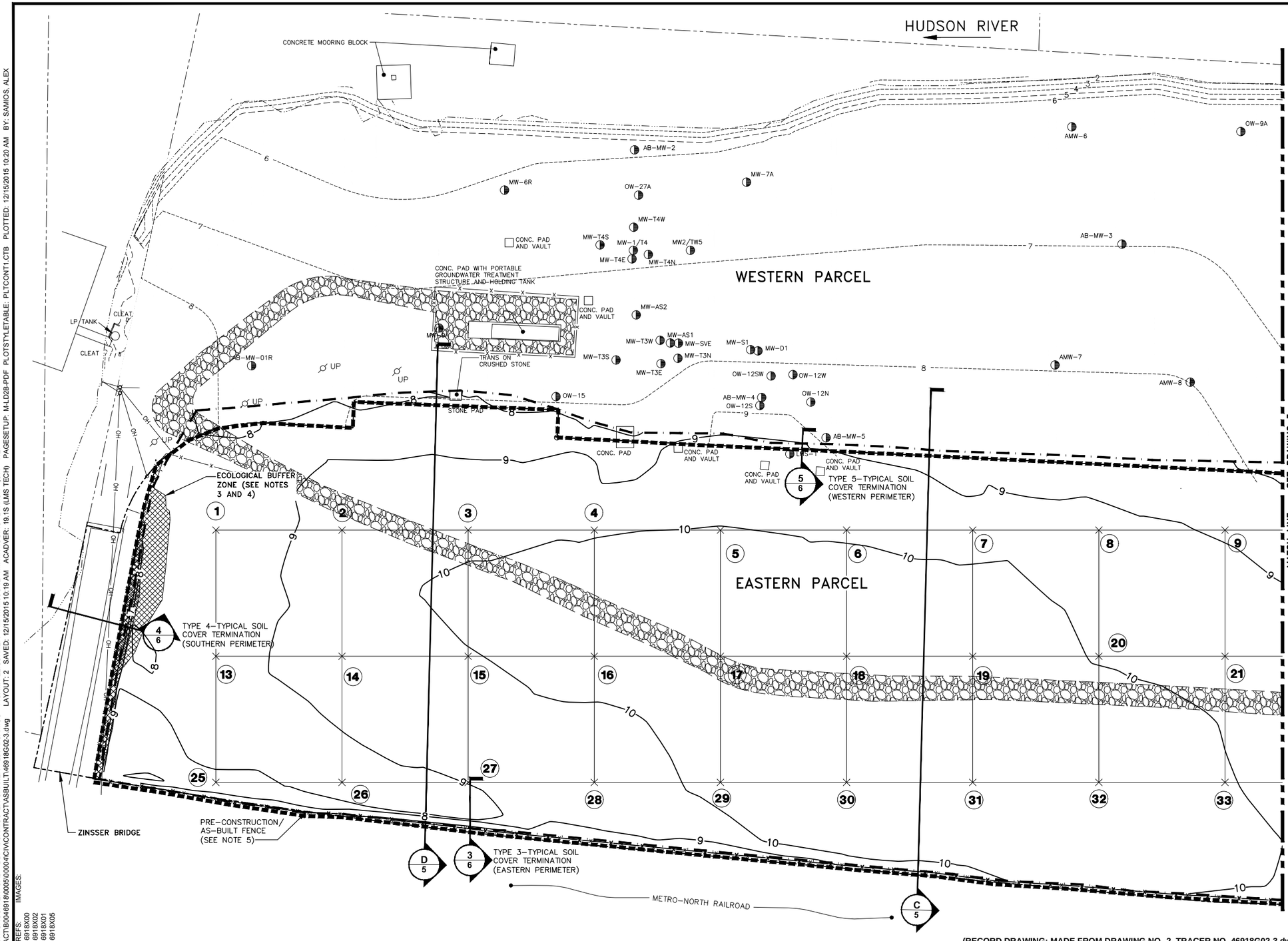
PRE-CONSTRUCTION SITE PLAN

ARCADIS Project No.
B0046918.0005.00004

Date
DECEMBER 2015

ARCADIS
6723 Towpath Road
PO Box 66
Syracuse, NY 13214-0066
TEL. 315.446.9120

1



LEGEND:

- LIMIT OF WORK
- EASTERN PARCEL PROPERTY BOUNDARY
- ADJACENT PROPERTY BOUNDARY
- EDGE OF PAVEMENT/CONCRETE
- APPROXIMATE EDGE OF GRAVEL
- FENCE
- EDGE OF MEAN HIGH WATER 1.85 FT
- 1-FT WESTERN PARCEL 1 ELEVATION CONTOUR
- 5-FT WESTERN PARCEL 1 ELEVATION CONTOUR
- AOC-2 AS-BUILT CONTOUR
- OVERHEAD UTILITY LINE
- UTILITY POLE
- MONITORING WELL
- APPROXIMATE LIMIT OF SURVEY (SEE NOTE 2)

NOTES:

1. REFER TO DRAWING 1 NOTES FOR ADDITIONAL BASEMAP INFORMATION.
2. FINAL GRADE/AS-BUILT INFORMATION BASED ON SURVEY CONDUCTED IN JUNE 2014 BY C.T. MALE ASSOCIATES, P.C.
3. PLANTINGS WERE INSTALLED AT 5 FOOT ON CENTER SPACING WITHIN ECOLOGICAL BUFFER ZONE. ACTUAL PLANTING LOCATIONS WERE NOT SURVEYED.
4. THE ECOLOGICAL BUFFER ZONE WAS RESTORED WITH A CONSERVATION SEED MIX AND SHRUBS IN ACCORDANCE WITH MSP SPECIFICATION 02922-SECTION 2.01 (D).
5. SECTIONS OF THE EXISTING FENCE WERE REPAIRED OR REPLACED AS REQUIRED IN COORDINATION WITH NYSDEC.
6. EXISTING CONCRETE/PAVEMENT THAT REMAINED WAS PERFORATED ON A 50-FOOT GRID FOR DRAINAGE PURPOSES. REFER TO DRAWING 1 FOR FORMER CONCRETE/PAVEMENT LOCATIONS.
7. EXISTING VEGETATION WAS CHIPPED ON SITE, EXCEPT STEMS GREATER THAN 12-INCHES. LARGER STEMS WERE DISPOSED OF OFFSITE AT AN NYSDEC APPROVED FACILITY.
8. VAULTS AND BASEMENT AREAS LOCATED ON THE SITE WERE BACKFILLED PRIOR TO SOIL COVER INSTALLATION.

GRADE TABLE			
Grid Intersection	Original Grade	Final Grade	Delta
1	5.56	8.39	2.83
2	6.36	9.35	2.99
3	7.01	9.87	2.86
4	7.32	9.97	2.65
5	7.51	10.06	2.55
6	7.20	10.01	2.81
7	7.03	9.76	2.73
8	6.67	9.46	2.79
9	6.81	8.88	2.07
13	6.10	8.73	2.63
14	6.30	9.33	3.03
15	6.74	10.05	3.31
16	7.20	10.47	3.27
17	7.68	10.58	2.90
18	7.82	10.59	2.77
19	8.18	10.48	2.30
20	6.84	10.02	3.18
21	6.40	9.50	3.10
25	7.13	9.47	2.34
26	6.31	8.86	2.55
27	5.95	9.18	3.23
28	6.60	9.65	3.05
29	7.19	10.29	3.10
30	7.26	10.98	3.72
31	7.22	10.92	3.70
32	7.46	10.62	3.16
33	5.99	10.10	4.11

* VERTICAL TOLERANCE OF 0.15 FEET.

RECORD DRAWINGS

(RECORD DRAWING: MADE FROM DRAWING NO. 2, TRACER NO. 46918G02-3.dwg, DATED APRIL 2013)

DATE_____BY_____

CITY: SYRACUSE, NY DIV/GROUP: ENVCAD DB: A. SAMIOS L. FORAKER LD: A. SAMIOS PIC: M. FLEISCHNER PM: W. McCUNE TM: M. HIGGINS LYR:ON=*;OFF=*REF*
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46918X02
46918X01
46918X05
IMAGES:

30' 0 30' 60'
1"=30'

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No.	Date	Revisions	By	Ckd

THIS DRAWING IS THE PROPERTY OF THE ARCADIS ENTITY IDENTIFIED IN THE TITLE BLOCK AND MAY NOT BE REPRODUCED OR ALTERED IN WHOLE OR IN PART WITHOUT THE EXPRESS WRITTEN PERMISSION OF SAME.

Professional Engineer's Name	JOSEPH MOLINA III, P.E.	
Professional Engineer's No.	072644	
State	Date Signed	Project Mgr.
NY		
Designed by	Drawn by	Checked by
RLP/MR	AGS	MBH

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CHEVRON ENVIRONMENTAL MANAGEMENT COMPANY • FORMER TAPPAN TERMINAL SITE, HASTINGS-ON-HUDSON, NEW YORK
EASTERN PARCEL SOIL REMEDIATION - CONSTRUCTION COMPLETION REPORT

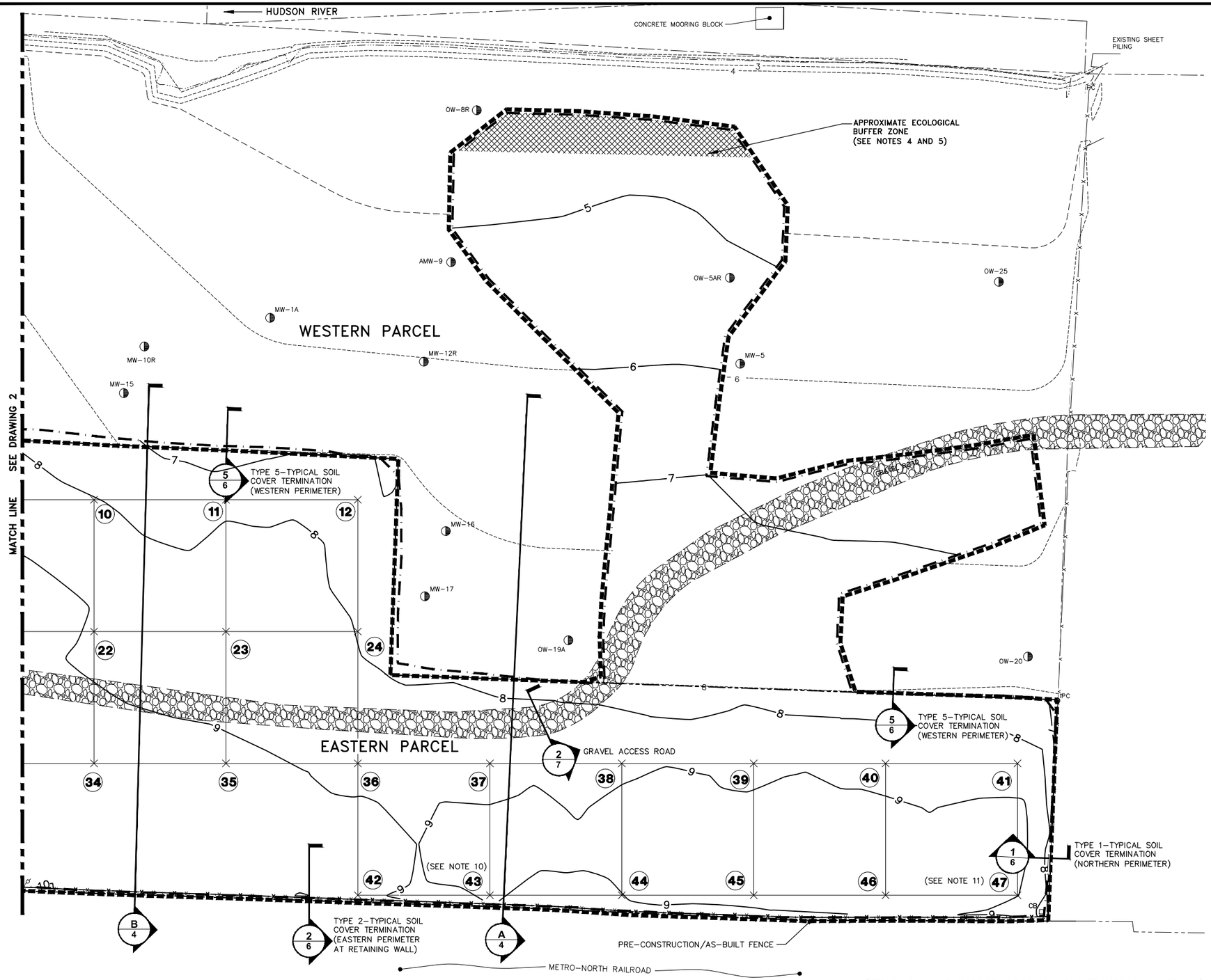
FINAL GRADING/RESTORATION PLAN (SOUTH)

ARCADIS Project No.
B0046918.0005.00004

Date
DECEMBER 2015

ARCADIS
6723 Towpath Road
PO Box 66
Syracuse, NY 13214-0066
TEL. 315.446.9120

2



LEGEND:

- LIMIT OF WORK
- EASTERN PARCEL PROPERTY BOUNDARY
- ADJACENT PROPERTY BOUNDARY
- EDGE OF PAVEMENT/CONCRETE
- APPROXIMATE EDGE OF GRAVEL
- FENCE
- EDGE OF MEAN HIGH WATER 1.85 FT
- 1-FT WESTERN PARCEL 1 ELEVATION CONTOUR
- 5-FT WESTERN PARCEL 1 ELEVATION CONTOUR
- AOC-2 AS-BUILT CONTOUR
- OVERHEAD UTILITY LINE
- UTILITY POLE
- MONITORING WELL
- APPROXIMATE LIMIT OF SURVEY (SEE NOTE 2)

NOTES:

1. REFER TO DRAWING 1 NOTES FOR ADDITIONAL BASEMAP INFORMATION.
2. FINAL GRADE/AS-BUILT INFORMATION BASED ON SURVEY CONDUCTED IN JUNE 2014 BY C.T. MALE ASSOCIATES, P.C.
3. MINIMUM SOIL COVER DEPTH (I.E., 2 FEET) WAS VERIFIED BY "POT-HOLING" AND DIRECT MEASURE OF ANY GRID LOCATIONS NOT VERIFIED BY FIELD SURVEY.
4. PLANTINGS WERE INSTALLED AT 5 FOOT ON CENTER SPACING WITHIN ECOLOGICAL BUFFER ZONE. ACTUAL PLANTING LOCATIONS WERE NOT SURVEYED.
5. THE ECOLOGICAL BUFFER ZONE WAS RESTORED WITH A CONSERVATION SEED MIX AND SHRUBS IN ACCORDANCE WITH MSP SPECIFICATION 02922-SECTION 2.01 (D).
6. SECTIONS OF THE EXISTING FENCE WERE REPAIRED OR REPLACED AS REQUIRED IN COORDINATION WITH NYSDEC.
7. EXISTING CONCRETE/PAVEMENT THAT REMAINED WAS PERFORATED ON A 50-FOOT GRID FOR DRAINAGE PURPOSES. REFER TO DRAWING 1 FOR FORMER CONCRETE/PAVEMENT LOCATIONS.
8. EXISTING VEGETATION WAS CHIPPED ON SITE, EXCEPT STEMS GREATER THAN 12-INCHES. LARGER STEMS WERE DISPOSED OF OFFSITE AT AN NYSDEC APPROVED FACILITY.
9. VAULTS AND BASEMENT AREAS LOCATED ON THE SITE WERE BACKFILLED PRIOR TO SOIL COVER INSTALLATION.
10. SOIL COVER WAS GRADED TO MEET THE TOP OF RETAINING WALL ELEVATION IN ORDER TO FACILITATE STORMWATER RUN-ON FROM RAILROAD PROPERTY. THIS RESULTED IN GRID INTERSECTION POINT NUMBER 43 HAVING A SOIL COVER DEPTH OF LESS THAN 2 FEET.
11. NORTHEAST CORNER OF SOIL COVER WAS REGRADED, AS APPROVED BY NYSDEC DURING CONSTRUCTION, TO MAINTAIN FUNCTIONALITY OF THE ADJACENT CATCH BASIN INLET. THIS RESULTED IN GRID INTERSECTION POINT NUMBER 47 HAVING A SOIL COVER DEPTH OF LESS THAN 2 FEET.

GRADE TABLE			
Grid Intersection	Original Grade	Final Grade	Delta
10	6.07	8.23	2.16
11	5.25	7.79	2.54
12	5.58	7.75	2.17
22	5.58	8.99	3.41
23	5.10	8.61	3.51
24	5.27	7.98	2.71
34	7.04	9.56	2.52
35	6.42	9.17	2.75
36	6.22	8.80	2.58
37	6.38	8.59	2.21
38	6.72	8.76	2.04
39	6.57	8.68	2.11
40	6.43	8.63	2.20
41	6.03	8.42	2.39
42	7.05	8.99	1.94*
43	7.28	9.10	1.82*
44	6.98	8.97	1.99*
45	7.65	9.68	2.03
46	7.04	9.27	2.23
47	7.39	9.02	1.63‡

* VERTICAL TOLERANCE OF 0.15 FEET.
+ SEE NOTE 10
‡ SEE NOTE 11

RECORD DRAWINGS

(RECORD DRAWING: MADE FROM DRAWING NO. 3, TRACER NO. 46918G02-3.dwg, DATED APRIL 2013)

DATE_____BY_____

CITY: SYRACUSE, NY DIV/GROUP: ENVCAD DB: A. SAMIOS L. FORAKER LD: A. SAMIOS PIC: M. FLEISCHNER PM: W. McCUNE TM: M. HIGGINS LYR:ON=*;OFF=*REF*
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46918X02
46918X01
46918X05

1"=30' (30' 0 30' 60')

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Professional Engineer's Name: JOSEPH MOLINA III, P.E.		
Professional Engineer's No.: 072644		
State: NY	Date Signed:	Project Mgr.:
Designed by: RLP/MR	Drawn by: AGS	Checked by: MBH

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EASTERN PARCEL SOIL REMEDIATION - CONSTRUCTION COMPLETION REPORT

FINAL GRADING/RESTORATION PLAN (NORTH)

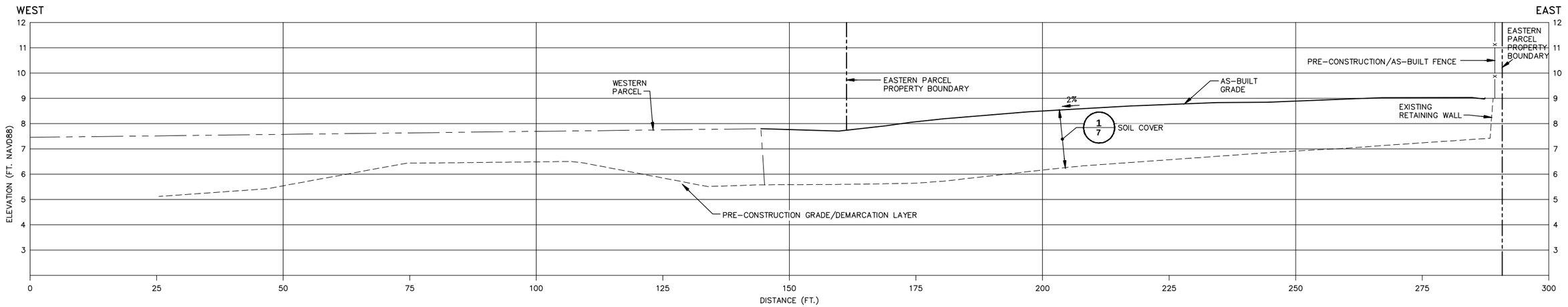
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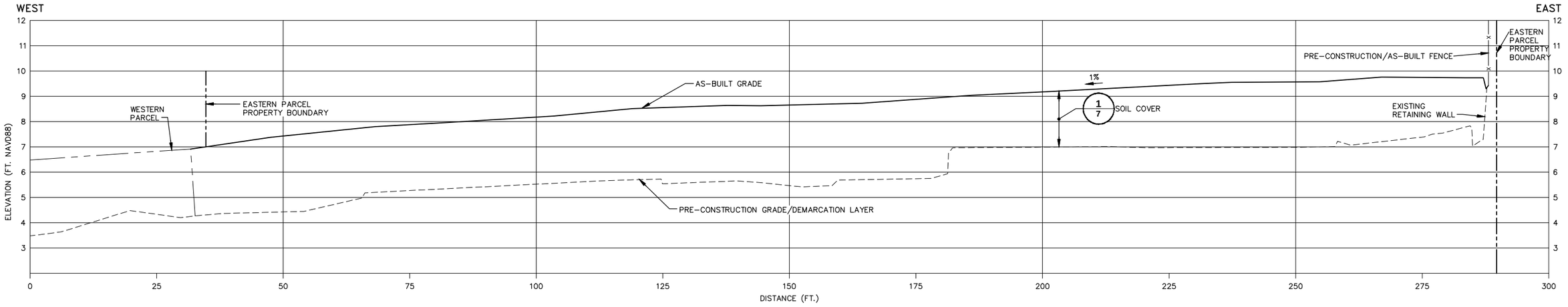
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CITY: SYRACUSE, NY DIV/GROUP: ENVCAD DB: A. SAMIOS LD: A. SAMIOS PIC: M. FLEISCHNER PM: W. McCUNE TM: R. PARINI LYR: ON=*;OFF=*REF*
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IMAGES:
46918X00



CROSS SECTION A

SCALE: 1" = 10' HORIZONTAL
1" = 2' VERTICAL



CROSS SECTION B

SCALE: 1" = 10' HORIZONTAL
1" = 2' VERTICAL

RECORD DRAWINGS

(RECORD DRAWING: MADE FROM DRAWING NO. 4, TRACER NO. 46918G04-5.dwg, DATED APRIL 2013)

DATE_____BY_____

HORIZ. 1"=10' 10' 0 10' 20'
VERT. 1"=2' 2' 0 2' 4'

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USE TO VERIFY FIGURE REPRODUCTION SCALE

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Professional Engineer's Name: **JOSEPH MOLINA III, P.E.**
Professional Engineer's No.: 072644
State: NY | Date Signed | Project Mgr.
Designed by: RLP/MR | Drawn by: AGS | Checked by: MBH

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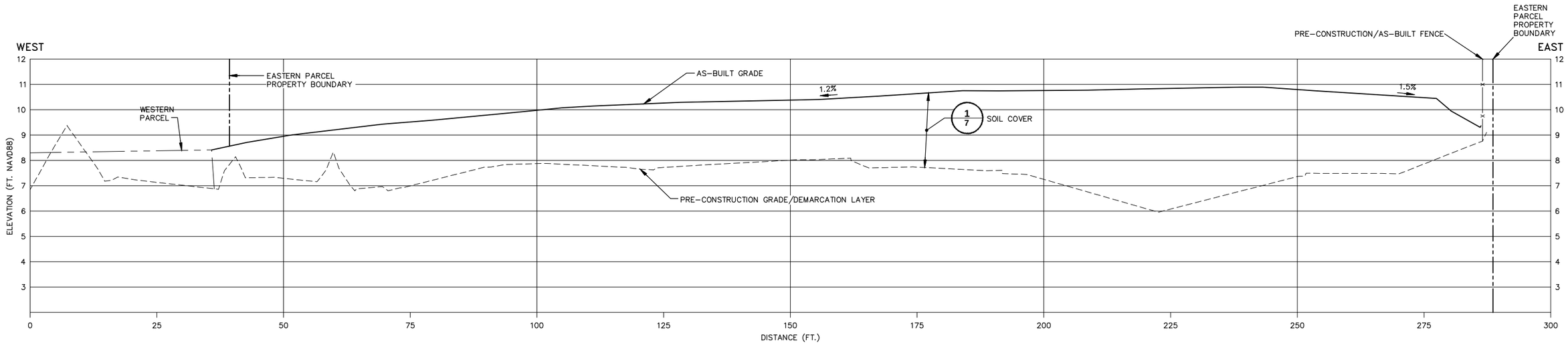
CROSS SECTIONS

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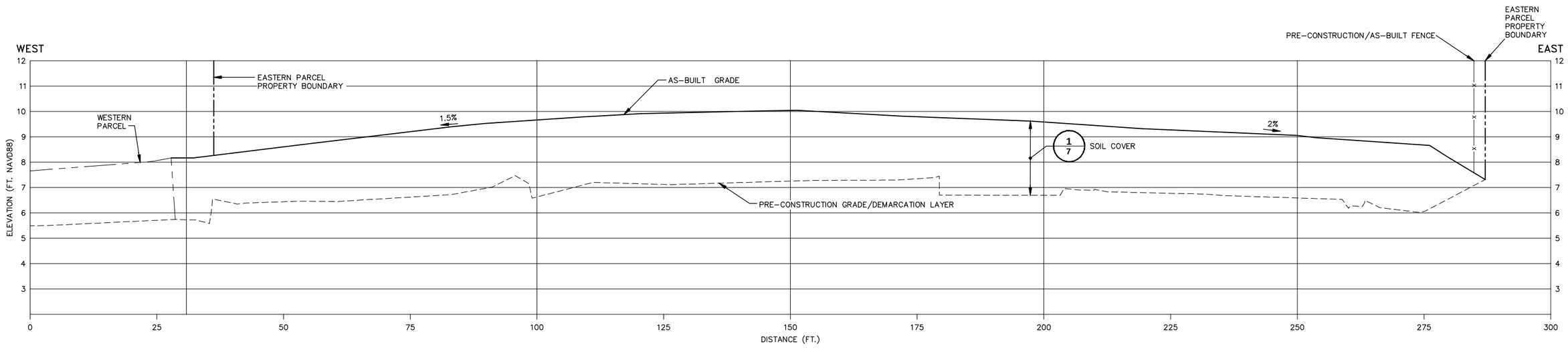
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TEL. 315.446.9120

4



CROSS SECTION C

SCALE: 1" = 10' HORIZONTAL
1" = 2' VERTICAL



CROSS SECTION D

SCALE: 1" = 10' HORIZONTAL
1" = 2' VERTICAL

RECORD DRAWINGS

(RECORD DRAWING: MADE FROM DRAWING NO. 5, TRACER NO. 46918G04-5.dwg, DATED APRIL 2013)

DATE_____BY_____

HORIZ. 1"=10' 10' 0 10' 20'
VERT. 1"=2' 2' 0 2' 4'

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Professional Engineer's Name: JOSEPH MOLINA III, P.E.		
Professional Engineer's No.: 072644		
State: NY	Date Signed:	Project Mgr.:
Designed by: RLP/MR	Drawn by: AGS	Checked by: MBH

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CROSS SECTIONS

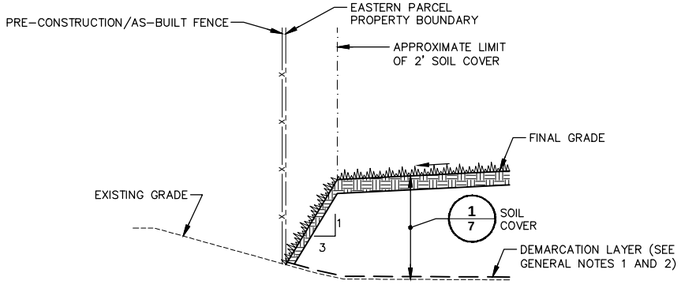
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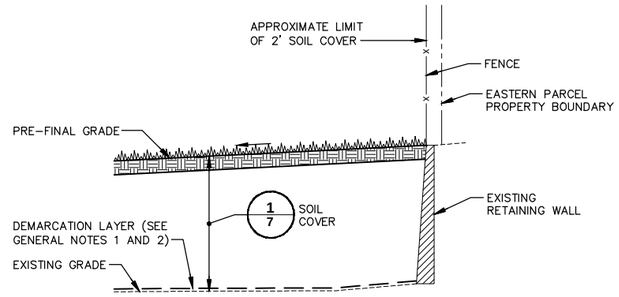
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CITY: SYRACUSE, NY DIV/GROUP: ENVCAD DB: A. SAMIOS LD: A. SAMIOS PIC: M. FLEISCHNER PM: W. McCUNE TM: M. HIGGINS LYR:ON=*;OFF=*REF*
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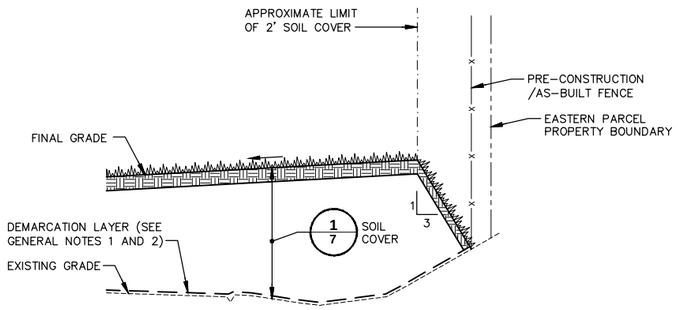
TYPE 1 - TYPICAL SOIL COVER TERMINATION (NORTHERN PERIMETER) (1)

NOT TO SCALE



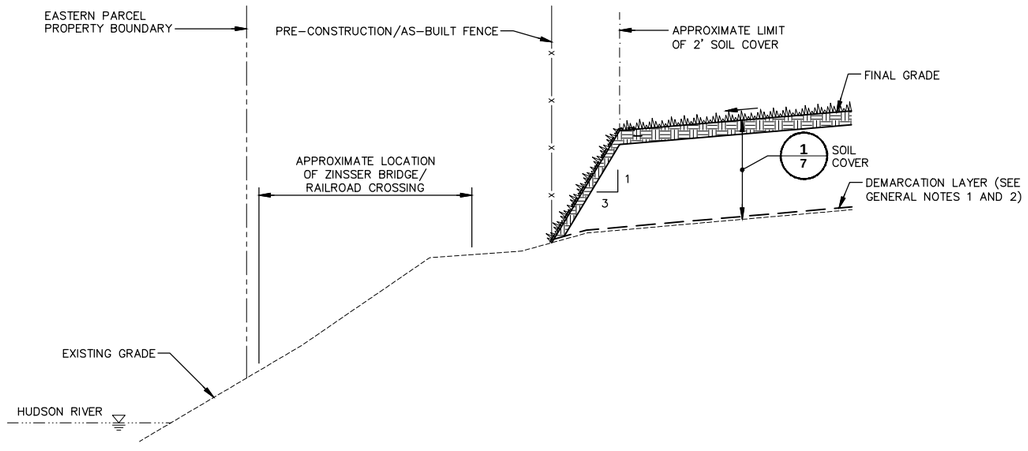
TYPE 2 - TYPICAL SOIL COVER TERMINATION (EASTERN PERIMETER AT RETAINING WALL) (2)

NOT TO SCALE



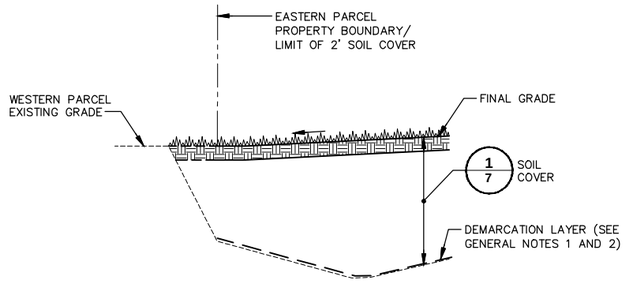
TYPE 3 - TYPICAL SOIL COVER TERMINATION (EASTERN PERIMETER) (3)

NOT TO SCALE



TYPE 4 - TYPICAL SOIL COVER TERMINATION (SOUTHERN PERIMETER) (4)

NOT TO SCALE



TYPE 5 - TYPICAL SOIL COVER TERMINATION (WESTERN PERIMETER) (5)

NOT TO SCALE

GENERAL NOTES:

1. PROPEX GEOTEX® 401OR ORANGE FABRIC GEOTEXTILE FABRIC WITH A NOMINAL WEIGHT OF 4OZ. WAS USED AS A DEMARCATION LAYER MATERIAL.
2. DEMARCATION LAYER WAS INSTALLED PRIOR TO SOIL COVER PLACEMENT. DEMARCATION LAYER WAS NOT REQUIRED OVER IMPERVIOUS AREAS (E.G., PAVEMENT, CONCRETE SLABS).

RECORD DRAWINGS

(RECORD DRAWING: MADE FROM DRAWING NO. 6, TRACER NO. 46918G06-7.dwg, DATED APRIL 2013)

DATE_____BY_____

CITY: SYRACUSE, NY DIV/GROUP: ENVCAD DB: A. SAMIOS L. FORAKER LD: A. SAMIOS PIC: M. FLEISCHNER PM: W. McCUNE TM: R. PARINI LYR: ON="OFF="REF"
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Professional Engineer's Name		
JOSEPH MOLINA III, P.E.		
Professional Engineer's No.		
072644		
State	Date Signed	Project Mgr.
NY		
Designed by	Drawn by	Checked by
RLP/MR	AGS	MBH

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EASTERN PARCEL SOIL REMEDIATION - CONSTRUCTION COMPLETION REPORT

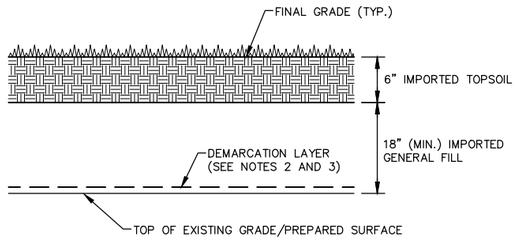
MISCELLANEOUS DETAILS

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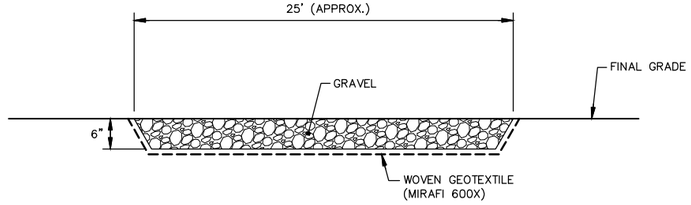
6



NOTES:

1. SOIL COVER WAS PLACED TO THE LIMITS INDICATED ON THESE DRAWINGS.
2. PROPEX GEOTEX® 401OR ORANGE FABRIC GEOTEXTILE FABRIC WITH A NOMINAL WEIGHT OF 4OZ. WAS USED AS A DEMARCATION LAYER MATERIAL.
3. DEMARCATION LAYER WAS INSTALLED PRIOR TO SOIL COVER PLACEMENT. DEMARCATION LAYER WAS NOT REQUIRED OVER IMPERVIOUS AREAS (E.G., PAVEMENT, CONCRETE SLABS).

SOIL COVER 1
NOT TO SCALE



GRAVEL ACCESS ROAD 2
NOT TO SCALE

GENERAL NOTE:

1. REFER TO MATERIALS AND PERFORMANCE SPECIFICATIONS FOR ADDITIONAL INFORMATION.

RECORD DRAWINGS

(RECORD DRAWING: MADE FROM DRAWING NO. 7, TRACER NO. 46918G06-7.dwg, DATED APRIL 2013)

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Professional Engineer's Name: JOSEPH MOLINA III, P.E.		
Professional Engineer's No.: 072644		
State: NY	Date Signed:	Project Mgr.:
Designed by: RLP/MR	Drawn by: AGS	Checked by: MBH

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EASTERN PARCEL SOIL REMEDIATION - CONSTRUCTION COMPLETION REPORT

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