Remedial Action Report

for

Ventron Velsicol Superfund Site Operable Unit 1

Wood-Ridge and Carlstadt, New Jersey

(USEPA No. NJD980529879)

April 15, 2011

Prepared for:

Morton International, Inc.

Prepared by:

PARSONS

309429

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List of Acronyms and Abbreviations

>620	Site Soil Containing Mercury Concentration Greater Than 620 mg/kg
ACOE	Army Corp of Engineers
ACO	Administrative Consent Order
APE	American Pile Driving Equipment
ARAR	Applicable or Relevant and Appropriate Requirement
ASTM	American Society for Testing and Materials
BCSCD	Bergen County Soil Conservation District
bgs	below ground surface
Bigler	Bigler Associates
Borbas	Borbas Surveying and Mapping, Inc.
CEA	Classification Exception Area
CERCLA	Comprehensive Environmental Response, Compensation & Liability Act of 1980
CFR	Code of Federal Regulations
cfs	cubic feet per second
COCs	Contaminants of Concern
CWTP	Construction Water Treatment Plant
CRZ	Contamination Reduction Zone
D_{50}	Average Stone Size
DAS	Data Acquisition System
DGA	Dense Graded Aggregate
DMP	Deformation Monitoring Point
DRP	Drum Removal Plan
DSH	Diamond Shamrock/Henkel
E&S	Erosion and Sedimentation
FAA	Federal Aviation Administration
Forsa	Forsa Construction L.L.C.
FS	Feasibility Study
GAC	Granular Activated Carbon
Glynn	Glynn Geotechnical Engineering, Inc.
GWQS	Ground Water Quality Standards
GWRS	Ground Water Remediation Standard
IRM	Interim Remedial Measure
gpm	gallons per minute
HASP	Health and Safety Plan
HAZWOPER	Hazardous Waste Operations and Emergency Response
HDPE	High Density Polyethylene
HSO	Health and Safety Officer
KSS	Kennon Surveying Services
MCL	Maximum Contaminant Level
MET	Meteorological Weather Station
mg/kg	milligrams per kilogram
MSDS	Material Safety Data Sheet
msl	mean sea level

MW	Monitoring well
NCP	National Oil and Hazardous Substances Pollution Contingency Plan
NGVD1929	National Geodetic Vertical Datum of 1929
NJDEP	New Jersey Department of Environmental Protection
NJDOT	New Jersey Department of Transportation
N.J.A.C.	New Jersey Administrative Code
NOD	Notice of Deficiency
NPL	National Priorities List
NRDCSCC	Non-Residential Direct Contact Soil Clean-up Criteria
NS	Norfolk Southern Railroad Company
O.D.	Outside Diameter
OSHA	Occupational Safety and Health Administration
OU-1	Ventron/Velsicol Operable Unit 1 Superfund Site
PAMP	Perimeter Air Monitoring Plan
PAMS	Perimeter Air Monitoring Station
Panther	Panther Technologies, Inc.
PID	Photo ionization Detector
PDI	Pre-Design Investigation
PLS	Professional Land Surveyor
PM-10	Particulate Matter (10 micron)
Poly	Polyethylene
PPE	Personal Protective Equipment
psi	Pounds per Square Inch
PVC	Polyvinyl Chloride
QA	Quality Assurance
QAI	Quality Assurance Inspector
QAPP	Quality Assurance Project Plan
QC	Quality Control
RAC	Remedial Action Contractor
RAO	Remedial Action Objective
RAR	Remedial Action Report
RAS	Remedial Action Services
RAW	Remedial Action Work Plan
RCRA	Resource Conservation and Recovery Act
RCP	Reinforced Concrete Pipe
RDCSCC	Residential Direct Contact Soil Cleanup Criteria
RI	Remedial Investigation
ROD	Record of Decision
SES	Sevenson Environmental Services, Inc.
SF	Square Foot
SFI	Supplemental Field Investigation
Sor	Sor Testing Laboratories, Inc.
SWP3	Storm Water Prevention Pollution Plan
TAMS	Temporary Air Monitoring Station
TCLP	Toxicity Characteristic Leaching Procedure
TRSR	Technical Requirements for Site Remediation

TSS	Total Suspended Solids
USCS	Unified Soil Classification System
USEPA	United States Environmental Protection Agency
VBW	Vertical Hydraulic Barrier Wall
VOC	Volatile Organic Compound
WOH	Weight of Hammer
WRA	Well Restriction Area
WRTG	West Riser Tide Gate
V/V	Ventron/Velsicol
XRF	X-Ray Fluorescence

Executive Summary

This Remedial Action Report (RAR) documents completion of the remedial action for the Ventron/Velsicol Superfund Site Operable Unit 1 (OU-1) ("Site") located in the boroughs of Wood-Ridge and Carlstadt, New Jersey. The work was completed in accordance with the Interim Remedial Measure (IRM) Workplan approved by the New Jersey Department of Environmental Protection (NJDEP) on February 29, 2008; the Undeveloped Area Remedial Action Workplan (RAW), approved by the NJDEP on July 3, 2008; and the Developed Area RAW, approved by the United States Environmental Protection Agency (USEPA) Region 2 on October 6, 2009. Work was performed at the Site pursuant to the Record of Decision (ROD) issued by the NJDEP. The construction activities described in this report were performed in accordance with a number of requirements, including but not limited to, the Comprehensive Environmental Response Compensation, and Liability Act of 1980 (CERCLA), National Oil and Hazardous Substances Pollution Contingency Plan (NCP), 40 Code of Federal Regulations (CFR) Part 300, and the New Jersey Administrative Code (N.J.A.C.) 7:26E Technical Requirements for Site Remediation.

The work completed and reported within this document includes:

- Site Preparation/Mobilization, including;
  - Construction of a temporary onsite construction water treatment plant (CWTP)
  - Installation of the perimeter air monitoring network
- Excavation of site-related constituents from the Lin-Mor property;
- Removal of drums;
- Excavation and shipment of soils with mercury concentrations greater than 620 mg/kg offsite for treatment and disposal;
- Backfilling and grading to establish cap subgrade elevations;
- Excavation of the former drain line;
- Excavation and restoration of the 55-foot buffer area;
- Excavation and restoration of the West Ditch;
- Installation of a vertical hydraulic barrier wall around the Wolf Warehouse;
- Installation of site caps on the developed and undeveloped areas;
- Site restoration;
- Implementation of institutional controls including deed notices and a ground water Classification Exception Area; and
- Installation of ground water monitoring wells for future monitoring activities.

During the project:

- Approximately 15 cubic yards of material was excavated from the Lin-Mor property and placed beneath the undeveloped area cap.
- Drums were encountered in the developed and undeveloped areas of the Site and disposed offsite;
- Approximately 72,620 tons of mercury-impacted material was removed from the Site and disposed at Stablex Canada, Inc. of Blainville, Quebec.

- Approximately 830 linear feet of subsurface pipe believed to be associated with the operation of the former mercury processing facility were located and removed from the developed and undeveloped areas of the Site.
- Native vegetation and erosion controls were installed in the 55-foot buffer.
- Approximately 1,270 linear feet of steel sheet piling, with hydrophilic sealed interlocks and penetrations, was installed to serve as a barrier to ground water flow and to encapsulate the areas of highest mercury concentrations beneath the Wolf Warehouse.
- Approximately 100,330 cubic yards of certified clean backfill and rip-rap were utilized as capping material.
- Approximately 1,480 cubic yards of reinforced concrete and 38,490 square feet of new asphalt were installed as capping material in the developed area.
- Approximately 100 linear feet of steel sheet piling, 100 linear feet of 24-in diameter RCP, and two rubber flex check valves were installed to serve as the West Ditch Tide Gate.
- Deed notices were placed on properties including the Undeveloped Area, Prince Packing, Blum, Wolf Warehouse, U.S. Life Warehouse, Ethel Boulevard, Norfolk Southern railroad, and EJB.
- A total of 20 new monitoring wells and 8 new piezometers were installed across the undeveloped area and the developed area.

This Remedial Action Report presents a summary of the remedial action at the Site as well as: observations; as-built information; quality control/quality assurance information; analytical information; and design changes from the IRM, Undeveloped Area RAW, and Developed Area RAW. This report was prepared in general accordance with the requirements for reporting included in N.J.A.C. 7:26E-6.7.

Section 1 – Introduction

1.1 Purpose

The purpose of this report is to present a summary of the remedial actions performed for the Ventron/Velsicol Superfund Site Operable Unit 1 (OU-1) ("Site") located in the Boroughs of Wood-Ridge and Carlstadt, New Jersey. This report was prepared in general accordance with the requirements for reporting included in the New Jersey Administrative Code (N.J.A.C.) 7:26E-6.7, as well as reporting requirements of the Administrative Order on Consent (AOC), discussed below. The report was prepared on behalf of Morton International, Inc. (Rohm and Haas Chemicals, LLC is a successor-in-interest to certain liabilities of Morton, (hereinafter, collectively "Morton") with the assistance of ENVIRON International Corporation (ENVIRON), the environmental consultant for the Custodial Trust. The Custodial Trust is a trust established pursuant to an order entered on August 9, 2002 by United States Bankruptcy Court approving the formation of the Custodial Trust and Settlement Agreement in the United States Bankruptcy Court for the District of Delaware, *In Re Fruit of the Loom, Inc. (No. 99-4497)*.

1.2 Site Description and History

The Site, described as OU-1 in the Record of Decision (ROD), is divided into three areas consisting of a "developed" area, an "undeveloped" area, and an "off-site" area. A Site vicinity and location map is shown in **Figure 1** and general notes and legend are presented in **Figure 2**. The layout of each of the three areas described below, is presented in **Figure 3**. Located in the boroughs of Wood-Ridge and Carlstadt, Bergen County, New Jersey, the immediate vicinity of the Site can be described as being primarily commercial/industrial. The site is irregularly shaped and bordered to the east by Berry's Creek, to the west by the Diamond Shamrock/Henkel Property, Randolph Products Property and Park Place East, to the south by the Diamond Shamrock/Henkel Ditch (north), and to the north by Ethel Boulevard and a railroad track.

The developed area is approximately seven acres in size and is in the northwest portion of the Site. A mercury processing facility operated in the developed area between 1927 and 1974. The main operations of the facility consisted of the manufacture of various mercury compounds and the reclamation of mercury from in-house and consumer waste products (amalgrams, thermometers, switches, etc). In 1974 the parcel of land occupied by the former facility was sold. In 1975 the facility was demolished and two warehouses were constructed on the parcel of land. These two warehouses currently occupy the developed area and are referred to as the Wolf Warehouse and the U.S. Life (Jerbil) Warehouse.

The undeveloped area is approximately 19 acres of land that was filled but not developed and is located generally southeast of the developed portion of the Site. This portion of the Site is bordered to the north by the Norfolk Southern railroad track, to the south by Diamond Shamrock/Henkel Ditch (north), to the West by the Wolf Warehouse and the Randolph property, and to the east by Berry's Creek. Historic information reports that this area was used as a dumping area for demolition and domestic solid waste. Property easement records also confirm use of the undeveloped area as a municipal dump by the Borough of Wood-Ridge.

The off-site portion consists of the following properties: the Blum, Prince Packing, EJB property, and the Lin-Mor property as well as Ethel Boulevard and the railroad. The Borough of Wood-Ridge owns Ethel Boulevard and Norfolk Southern owns the railroad property located immediately north of Ethel Boulevard.

1.3 Report Organization

This report is organized into the following sections:

Section 1 - Introduction

Section 2 – Physical Setting

Section 3 – Summary of Contaminant Concentrations including a summary of remedial investigation activities performed at the site and existing contaminant data.

Section 4 – Project Set-Up and Administration including the administrative organization of the project.

Section 5 – Environmental Controls and Monitoring including construction monitoring programs, pre- and post- condition surveys, construction water treatment, ground water monitoring, and implementation of the Perimeter Air Monitoring Plan (PAMP).

Section 6 – Remedial Action Summary including site preparation, excavation, drum removal, vertical barrier wall installation, West Ditch restoration, site capping, and site restoration.

Section 7 – Institutional Controls and Monitoring including a summary of the CEA, deed notices, monitoring well and piezometer installation, and indoor air monitoring at the Wolf Warehouse.

Section 8 – Design Modifications including a summary of modifications to the design submitted in the RAW that were implemented during the remedial construction.

Section 9 - Summary of Costs

Section 10 – Conclusions

Section 11 – Certification

Section 12 – References

Section 2 – Physical Setting

This section contains a description of the physical setting of the Site based on the Remedial Investigation (RI) performed by Exponent and other reports described in Section 3.

2.1 Topography and Surface Features

The topography across the developed and undeveloped areas of the site is generally flat, ranging in elevation from 0 ft to 12.6 ft above mean sea level (msl). The highest elevations are found near the middle of the undeveloped area and the lowest elevations are found in the wetlands along the perimeter of the undeveloped area.

The majority of the developed area is occupied by two low-rise warehouses. The remainder of the developed area is covered over by asphalt-paved surfaces and the railroad tracks to the North which are bedded on a layer of gravel. Prior to remediation, the undeveloped area of the site was covered by mixed vegetation and a variety of surficial debris. The offsite areas of the site are similar to the developed area in nature, in that they are occupied primarily by warehouse structures and asphalt paved surfaces.

2.2 Geology

The Site is located in the Newark Basin. The Newark Basin is a rift basin, consisting of sedimentary and igneous rocks deposited during the Triassic and Jurassic Periods, which reach from southern New York, through northern and central New Jersey, and into southeastern Pennsylvania. The bedrock beneath the Site is the Upper Triassic-/Lower Jurassic Passaic Formation which consists of reddish brown shale, siltstone, and sandstone. In the region of the Newark Basin where the Site is located, this layer of bedrock is approximately 9,000 ft thick. The unconsolidated strata which cover the bedrock consist of material related to glacial episodes of the Pleistocene Epoch and alluvium deposited by present-day streams on the glacial material. The glacial units consist primarily of varved lake deposits, deposited in glacial Lake Hackensack. The varves are thin, alternating layers of clay- to sand-sized particles. The youngest units found in the vicinity of the Site are thin, Holocene alluvial deposits, such as sand and gravel. In addition, the surficial geology of the Site includes a layer of estuarine and salt-marsh deposits consisting of organic silt and clay, and salt marsh peat. This layer is termed “meadow mat”.

2.3 Hydrogeology

Based on data collected during the RI and PDI investigations, ground water exists generally within the fill stratum at depths ranging from 1ft to 18ft below ground surface. The aquifer beneath the Site has been designated as a Class II-A aquifer, in accordance with the New Jersey GWQS (N.J.A.C. 7:9-6). The primary designated use for Class II-A ground water is potable water. The location of the wells and piezometers utilized during the RI and PDI investigations are presented on **Figure 3**.

Ground water flow at the Site exhibits a radial flow pattern (outward from the center) in the undeveloped area and a north to south flow pattern in the developed portion of the Site. Site ground water is not influenced by tidal action in Berry's Creek, Diamond Shamrock/Henkel Ditch (north), or the West Ditch. Hydrogeology and supporting ground water flow data is provided in greater detail in the RI Report.

Section 3 – Summary of Contaminant Concentrations

This section summarizes existing information about the contaminant concentrations in soil and ground water at the OU-1 site. **Table 3-1** and **Table 3-2** list the Contaminants of Concern (COCs) found in the ground water and soil, respectively, at the Site, and their Cleanup Goals.

3.1 Remedial Investigation Report

A RI Report was submitted to the NJDEP in June 2004 (Exponent). The investigation activities that generated data for the RI included the NJDEP investigation (1990 and 1991), Phase I RI field work (Fall of 1997 through Spring of 1998), the Phase IA field investigation (Fall of 1999 through Spring of 2000), the supplemental study related to renovations at the U.S. Life Warehouse (April 1999), and the Phase IA Supplemental Field Investigation (SFI) (Fall of 2002). A summary (i.e., excerpts) of the RI report, as presented in the ROD, is provided in **Appendix A** in accordance with N.J.A.C. 7:26E-6.2(1).

3.2 Feasibility Study Report

The FS Report includes results of the remedial alternatives evaluation for the RI/FS process at the Site (CH2MHill, April 2006). The FS presented the criteria necessary for remedy selection under CERCLA and, based on those criteria, evaluated seven soil and six ground water remedial alternatives. The FS was used to develop a Proposed Plan and ROD for the Site. A summary of the alternatives evaluated in the FS is presented in the ROD, a copy of which is provided in **Appendix A**.

3.3 Remedial Action Workplans

An Interim Remedial Measures (IRM) Workplan was approved by the NJDEP on February 29, 2008. The IRM Workplan presented the approach for removing surficial drums from the undeveloped area and site preparation activities for the planned remedial actions.

The structure for the Site remedial action workplan was proposed by Morton and the Custodial Trust in a letter dated April 1, 2008 and agreed to by the NJDEP. A summary of draft workplans submitted prior to April 1, 2008 and associated correspondence between Morton/Custodial Trust and the NJDEP is included in Section 1.2 of the Undeveloped Area Remedial Action Workplan (RAW).

The approved workplans for the Site consists of two separate documents: the Undeveloped Area RAW, approved by the NJDEP on July 3, 2008; and the Developed Area RAW, approved by the United States Environmental Protection Agency (USEPA) on October 6, 2009.

The components of the remedial action presented in the Undeveloped Area RAW are as follows:

- Excavation of soils with concentrations of mercury greater than 620 mg/kg in the undeveloped portion of the Site;
- Excavation of the former drain line;
- Excavation of Ventron/Velsicol site-related constituents from the Lin-Mor property;
- Excavation of the 55-foot buffer area;
- Wolf Warehouse air monitoring; and
- Draft deed notices for Custodial Trust, Prince Packing, and Blum properties.

The components of the remedial action presented in the Developed area RAW are as follows:

- Excavation of soils with concentrations of mercury greater than 620 mg/kg in the developed portion of the Site;
- Improvements to the West Ditch;
- Installation of a vertical hydraulic barrier wall around the Wolf Warehouse;
- Installation of site caps on the developed and undeveloped areas;
- Installation of storm water controls in the developed and undeveloped areas;
- Monitoring of ground water at the Site;
- Contaminant flux monitoring between the Site and the adjoining water ways; and
- Draft deed notices for the Wolf Warehouse, U.S. Life Warehouse, Norfolk Southern property, Ethel Boulevard, and the EJB property.

3.3.1 Pre-Design Investigations

A Pre-Design Investigation (PDI) was performed by Parsons in both the developed and undeveloped areas of the site to obtain further subsurface information prior to completing the detailed design of the remedial action. The PDI work was conducted separately from the RAW activities, under a stand-alone PDI Workplan. Results of the PDI are presented in Appendix C of the Undeveloped Area RAW.

The PDI on the undeveloped portion of the Site and in the vicinity of the Wolf Warehouse was performed during the months of February through August 2007. The PDI was continued on the U.S. Life Warehouse property in October and November 2007. The results of the PDI provided supplemental analytical data for the delineation of mercury in soil greater than 620 mg/kg and geotechnical data to support the remedial action design. In addition, the PDI included the collection of "pre"-post remediation samples for the soil excavations to define the bottom of excavation levels and eliminate the need for collecting post-excavation samples during construction. Results of sampling conducted during the PDI were included in the PDI Data Report, provided as Appendix C to the Undeveloped Area RAW. **Tables 3-3 through 3-13** of this RAR summarize the results of "pre"-post remediation sampling.

Section 4 – Project Organization and Administration

This section addresses activities associated with the project management, organization, and reporting during the construction phases.

4.1 Project Responsibilities

Several organizations had a role in the performance and review of the project. This section lists the specific functions each organization performed and their associated responsibilities.

4.1.1 New Jersey Department of Environmental Protection

The NJDEP was responsible for performing technical reviews and approving the IRM Workplan and the Undeveloped Area RAW. They incorporated comments received from the USEPA into their reviews. The NJDEP provided comments to the USEPA for the Developed Area RAW once remedial action construction commenced for the Undeveloped Area RAW. The NJDEP was the lead regulatory agency during the IRM construction phase. The NJDEP was also responsible for reviewing and issuing a number of permits and permit equivalencies for the project, as discussed in **Section 6.1.1**.

4.1.2 United States Environmental Protection Agency/ Army Corp of Engineers

The USEPA provided technical comments to the NJDEP who provided approval for the IRM Workplan and the Undeveloped Area RAW. The USEPA was responsible for performing technical reviews and approving the Developed Area RAW in conjunction with the NJDEP. The USEPA was the lead regulatory agency during the undeveloped and developed area construction phases. Representatives from the USEPA participated in weekly construction progress review meetings and conducted inspections of construction activities as needed.

A representative from the Army Corp of Engineers (ACOE) was onsite at the request of the USEPA. The role of the ACOE representative was to extend the USEPA's ability to provide construction oversight, as well as provide additional construction experience on the behalf of the USEPA. The ACOE representative participated in weekly construction progress review meetings, conducted frequent site inspections and communicated with Site supervision.

4.1.3 Morton International, Inc.

Morton was the responsible party for the implementation of the selected remedy. Morton and their authorized signatories provided direct construction oversight of the engineer and contractor during the design and implementation of the remedial action. Morton also had a construction representative on-site to monitor activities. Morton directly subcontracted with other companies to perform specific parts of the work. These included:

- Sevenson Environmental Services, Inc. (SES) of Buffalo, New York was contracted to provide remedial action services (RAS). SES' role is explained in greater detail below.

- Stablex Canada, Inc. of Blainville, Quebec was contracted to provide waste disposal services for mercury impacted soil and was responsible for providing transportation, treatment, disposal, and manifest tracking.
- Veolia Environmental Services of Flanders, New Jersey was contracted to provide waste disposal services including the disposal of drums, paint impacted soil, and PPE. Veolia was responsible for providing transportation, disposal, and manifest tracking of waste streams consigned to them. For more details on waste disposal see **Section 6**.
- Test America, Inc was contracted to provide laboratory analytical services during construction.

4.1.4 Parsons Corporation

Morton retained Parsons as the engineer for both the design and implementation of the remedy. During remediation, Parsons provided construction oversight services, health and safety oversight, quality assurance engineering, and environmental services including construction water management/treatment and perimeter air monitoring. Parsons conducted weekly progress meetings with the USEPA/ACOE, Morton, and the contractors; facilitated design/field changes; reviewed construction submittals; implemented the Quality Control/ Quality Assurance (QC/QA) program; performed QA activities; and inspected work of the RACs. Parsons was also responsible for collecting environmental samples where described in this report.

Parsons subcontracted other companies to perform specific parts of the work. These companies included:

- Panther Technologies, Inc (Panther) of Medford, New Jersey was subcontracted as a remedial action contractor (RAC) for a portion of the IRM activities.
- Furino and Sons, Inc (Furino) of Plainfield, New Jersey was also subcontracted as the RAC to complete the IRM activities.
- Bigler Associates, Inc. of Lakewood, New Jersey was subcontracted to provide construction water treatment services including final design, construction, and operation of the CWTP. Bigler was responsible for performing weekly compliance testing of the CWTP effluent.
- Borbas Surveying and Mapping, LLC of Boonton, New Jersey was subcontracted to provide quality assurance surveying services and support the pre-and post-conditions surveys discussed in Section 5.
- JLT Laboratories of Canonsburg, Pennsylvania was subcontracted to provide geotechnical laboratory testing services.
- EII, Inc of Cranford, New Jersey was subcontracted to provide electrical contracting services.
- Environmental Probing Investigations, Inc. of Cream Ridge, New Jersey and SGS North America, Inc were subcontracted to perform soil borings and install monitoring wells and piezometers at the Site.
- Tracks Unlimited, Inc of Plainfield, New Jersey was subcontracted to install the railroad crossing on the U.S. Life Warehouse property.
- Weir Welding of Carlstadt, New Jersey was subcontracted to fabricate and install steel brackets to reinforce the concrete wall panels at the Wolf Warehouse.

- Jersey Essay Labs of Newark, New Jersey was subcontracted to provide concrete testing services for the developed area cap.

4.1.5 Sevenson Environmental Services, Inc.

Morton retained SES as the RAC for the developed and undeveloped area construction portions of the project. SES provided the equipment, skilled labor, civil engineering support and construction expertise necessary to complete the project. The responsibilities of SES included: construction of the remedial action in accordance with the design documents; management of staff, skilled labor, and subcontractors; site health and safety for employees and subcontractors; and construction QC.

SES subcontracted other companies to perform specific parts of the work. These companies include:

- Glynn Geotechnical Engineering (Glynn) of Lockport, New York was subcontracted to provide geotechnical engineering services including design of excavation support (e.g. temporary sheet piling).
- Godwin Pumps of America, Inc. of East Brunswick, New Jersey was subcontracted to provide technical services related to the by-pass pumping system for the Developed Area RAW.
- Kennon Surveying Services (KSS) of Warren, New Jersey was subcontracted to provide surveying services during construction including topographic surveying and grade control for excavation and backfilling. KSS was responsible for as-built drawings of remedial action items.
- Forsa Construction of Little Ferry, New Jersey was subcontracted to provide concrete construction services for the developed area cap.
- SOR Testing Laboratories, Inc (SOR) of Cedar Grove, New Jersey was subcontracted to provide materials testing services during developed area construction.
- Materials Testing Inc of Edison, New Jersey was subcontracted to provide materials testing services during undeveloped area construction and testing of concrete for the developed area cap.
- Tracks Unlimited, Inc of Plainfield, New Jersey was subcontracted to install the new railroad spur behind the Wolf Warehouse and provide railroad track maintenance at the Site.
- Skyline Steel, LLC provided steel fabrication of the sheet piles for the vertical barrier wall.
- Dura-bond Coating LLC of Steelton, Pennsylvania was subcontracted to provide application, inspection, and repairs of sealants used on VBW sheet piles.
- Moretrench of Rockaway, New Jersey was subcontracted to provide excavation dewatering well point installation and monitoring well abandonment service.
- Enviroscapes, Inc of Monmouth Junction, New Jersey was subcontracted to provide wetlands plants and planting services related to site restoration.

- Tilcon, Inc of New Jersey was subcontracted as the primary source of certified clean backfill materials. Borrow pits utilized for this project included: Mount Hope Quarry (Wharton, NJ), Oxford Quarry, Pompton Lakes Quarry, and Riverdale Quarry.
- Cedar Hill Landscaping, Inc of Somerset, New Jersey was subcontracted as the primary source of certified clean topsoil for the 55-foot buffer.
- Maddox Materials, LLC of New Jersey was subcontracted as the source of certified clean barrier/separation layer fill (Monroe Twp, NJ borrow) for the undeveloped area cap and undeveloped area cap topsoil (Warren, NJ borrow).

4.2 Site-Specific Documents

Detailed design documents were produced to ensure the work was completed in a safe manner and consistent with the applicable standards and approved RAWs. The design documents for the Site included drawings and specifications issued for the IRM, undeveloped area, and developed area construction and the workplans described in Section 1. The applicable drawings and specifications were provided to: Panther and Furino to construct the IRM; and to SES to construct the undeveloped area and developed area construction portions of the project. Three addendums were issued for the undeveloped area construction and five addendums were issued for the developed area construction to incorporate design changes during construction. The changes are discussed in Section 8.

Supporting documents were prepared by Parsons to supplement the construction specifications and drawings. The Construction Quality Assurance Project Plan (CQAPP) and Perimeter Air Monitoring Plan (PAMP) were included with the respected RAWs and were submitted to the USEPA and NJDEP for review. The Health and Safety Plan (HASP), and Storm Water Prevention Pollution Plan (SWPPP) were also developed to supplement the construction documents. These four documents were utilized by Parsons and SES during construction. These documents are not included in this report but are available upon request.

4.3 Health and Safety

Site specific HASPs were implemented for the project. Parsons, the RACs and major subcontractors prepared site specific HASPs that outlined the health and safety requirements for their respected scopes of work. Health and safety during construction was the highest priority to the project team. There were no OSHA recordables or safety incidents during the course of the construction. To achieve this high level of safety, the following measures were implemented:

- A full-time Health and Safety Officer (HSO) of both Parsons and the RACs was on site during undeveloped and developed area construction. The responsibilities of the HSOs included conducting daily health and safety meetings to discuss possible hazards and work procedures, the implementation of appropriate personal protective equipment and contingency methods, near miss and incident investigation and preparation of any related documentation, and oversight of safe work practices;
- A valid OSHA HAZWOPER training certificate, with applicable refresher training documentation was required for full-time personnel entering the exclusion zone;
- Entry to the exclusion zone was not permitted without first being presented with site specific training and orientation;
- Level D protection, at a minimum, was required in the exclusion zone including steel toe boots, hard hats, high visibility vest, and safety glasses;
- Modified level D protection was required for personnel involved in tasks where there was a possibility of coming in contact with mercury >620 mg/kg soils. Modified level D protection included the addition of disposable booties, gloves, and tyvek coveralls;
- Level C protection was required for personnel working in conditions when real time worker breathing zone air monitoring equipment detected sustained mercury vapor in the breathing zone exceeding 45 ug/m^3;
- Level B protection was required when the possibility of exceeding the protection factor of level C respiratory protection was exceeded; and
- Worker health and safety air monitoring was required during work involving intrusive work or handling of contaminated soils;

Daily health and safety meetings were held each day before the start of work activities. The purpose of these meetings was to communicate hazards, share lessons learned, and raise the general awareness level of safety. Employees of the RACs, Parsons, Morton, and subcontractors attended these meetings. Content of these meetings was focused on tasks being performed by various parties and their subcontractors.

4.4 Daily Reports

Daily reports were completed by Parsons and the RACs to document the activities at the Site including site visitors, observations, material received, health and safety activities, QC/QA activities, site photos, and personnel on site. These daily reports are included in **Appendix B**.

4.5 Meetings

Meetings were an essential component in ensuring that efficient lines of communication existed between all necessary parties. The different meetings included: pre-construction meetings, weekly construction planning meetings with RAC and subcontractors, weekly Agency briefing meetings with EPA and NJDEP, and public meetings.

4.5.1 Pre-Construction Meetings

Pre-construction meetings were held prior to the commencement of the major construction phases (e.g. IRM, undeveloped area, and developed area). Attendees included representatives from Morton, the Custodial Trust, Parsons, ENVIRON, RACs, USEPA, ACOE, and NJDEP. The pre-construction meetings consisted of a review of the project documents, roles and responsibilities, project expectations, schedule, safety, environmental protection, site control, and QC/QA activities. Operating concepts and existing site conditions prior to initiation of remedial construction were reviewed in detail.

4.5.2 Weekly Contractor Construction Meetings

Contractor construction meetings were held weekly with Parsons, ENVIRON, RACs, and representatives of Morton, and the Custodial Trust. These meetings reviewed the site activities, a two week look ahead, safety, material deliveries, schedule, QC/QA items, perimeter air monitoring, and contractual items.

4.5.3 Weekly Agency Briefing Meetings

Weekly agency briefing meetings were held during construction with representatives of Morton, the Custodial Trust, Parsons, ENVIRON, SES, USEPA, ACOE, and NJDEP. The project status meeting presented a summary of the topics discussed in the weekly contractor construction meeting described in the previous section. Meetings were documented by Parsons and copies of the meeting minutes were distributed with a weekly progress report.

4.5.4 Public Meetings

Public meetings were conducted as necessary. The purpose of these meetings was typically to provide a forum for residents, business, local officials, and other interested parties to discuss the project. Parsons worked with the USEPA and NJDEP to arrange the meeting, provide public notice, and prepare meeting presentation materials. Meetings were held with the Borough of Wood-Ridge, the Wolf Warehouse owners and tenants, and the U.S. Life Warehouse owners.

4.6 Quarterly Progress Reports

Quarterly Progress reports summarized the status of remedial actions performed as described in the IRM and RAWs. Each progress report was submitted pursuant to the Administrative Consent Order (ACO) between Morton and the Custodial Trust by and through LePetomane III, Inc., not individual but solely as custodial trustee, and the NJDEP as well as the quarterly progress reporting requirements of the RAW. The Quarterly reports were prepared in accordance with New Jersey Administrative Code (N.J.A.C.) Section 7:26E-6.6(b).

4.7 Annual Report for the Export of Hazardous Waste

Annual reports were submitted to the EPA and NJDEP pursuant to 40 CFR 262.56. These reports summarized the type, quantity, origin, destination disposal facility, as well as pertinent manifest documentation and information for hazardous wastes exported for offsite disposal.

4.8 Quality Control and Quality Assurance

The project had a comprehensive QC/QA plan which was submitted with the RAWs. The RACs were responsible for QC and Parsons was responsible for QA. The QC/QA activities associated with the respected remedial actions are discussed in Section 6.

QC documentation, in the form of project work plans, material testing, survey as-builts, etc. were prepared by the RACs and submitted to Parsons for review and comment on behalf of Morton. QC submittals from the RACs were reviewed by Parsons on an on-going basis throughout the remediation as documentation of compliance with the project specifications and design drawings. Parsons conducted QA testing typically on a frequency of approximately 10% of that specified for QC testing. A submittal register was also assembled for purposes of tracking required and completed submittals. The submittal register for the project is exhibited in **Table 4-1 and 4-2**. Submittals which are necessary to satisfy the requirements specified in NJAC 7:26E-6.7 are provided in the Appendices section of this RAR. Other submittal documentation (i.e., lab results, material cut sheets, etc.) is available in the project file and available for review upon request. Photographs taken to document the progress and completion of remedial activities are archived in the project files. A photographic log of representative photographs of major work activities is included in **Appendix C**. Representatives of Parsons, RACs, Rohm & Haas, the Custodial Trust, USEPA, ACOE, and the NJDEP performed pre-final and final inspections of the site work, successfully concluding quality controls for the project.

4.9 Construction Schedule

The total duration of remedial construction was 466 working days (November 11, 2007 to December 10, 2010). The site work was temporarily shut down for the winter months and the work force partially demobilized from November 2009 to March 2010. Modifications to the original design are discussed in Section 14.0**. Appendix D** shows the final schedule from site mobilization to project closeout.

The following chronology summarizes the major construction activities:

- **November 2007 through January 2008** – Site Clearing and Erosion and Sedimentation Control installation;
- **October 2008 through December 2008** – IRM Construction and surficial drum removal;
- **November 27, 2008 through February 10, 2009** – Construction water treatment plant construction;
- **December 1, 2008 through December 18, 2008** – Excavation of site related contaminants on the Lin-Mor Property;
- **March 16, 2009 through November 19, 2009** – Undeveloped area excavation and offsite disposal of mercury-contaminated soil above 620mg/kg from areas A, E, DL1/DL2, F, G, H, I (partial);
- **November 19, 2009 through March 15, 2010** – Winter shutdown and partial demobilization;
- **April 2, 2009 through January 12, 2010** – Undeveloped area drum removal and offsite disposal;
- **May 26, 2009 through October 4, 2010** – Removal of drain line piping possibly associated to the former mercury processing facility;
- **July 24, 2009 through November 30, 2010** – Excavation of soil from within the 55-foot buffer adjacent to Berry's Creek, the Diamond Shamrock/Henkel (north) Ditch, and the West Ditch. Backfill with certified clean offsite fill, installation of erosion control and restoration of native vegetation;
- **March 15, 2010 through October 7, 2010 -** Developed area excavation and offsite disposal of mercury-contaminated soil above 620mg/kg from areas C, D, and I (partial);
- **March 23, 2010 through December 2, 2010** – Restoration of the West Ditch and installation of Tide Gate;
- **April 12, 2010 through November 8, 2010 –** Developed area utility relocation and storm water bypassing;
- **May 12, 2010, June 16, 2010, and July 1, 2010** – Two overpacks removed from 55-foot buffer along West Ditch; one empty, drum carcass was removed from the developed area excavation area D-13; and one overpack removed 55-foot buffer along West Ditch Drums ,respectively. The overpacks and drum were disposed offsite;
- **July 1, 2010 through August 16, 2010 –** Installation of the vertical hydraulic barrier wall system to encapsulate mercury contamination below the Wolf Warehouse;
- **August 30, 2010 through October 30, 2010** – Construction of the developed area cap (Concrete and Asphalt capping), Ethel Boulevard asphalt paving, and railroad siding reinstallation;
- **September 10, 2010 through December 10, 2010 -** Construction of the undeveloped area site cap;
- **September 15, 2010** – Construction water treatment plant demobilization;

- **November 1, 2010 through November 15, 2010** – Installation of groundwater monitoring wells and piezometers for barrier wall effectiveness and contaminant flux monitoring;
- **December 1, 2010 through December 10, 2010** – Final restoration and demobilization.

Section 5 – Environmental Controls and Monitoring

Environmental controls and monitoring programs were implemented to ensure that the removal construction operations did not adversely impact the surrounding environment. This section presents the following environmental controls:

- Erosion and Sediment Controls;
- Pre- and Post-Condition Surveys;
- Geotechnical Instrumentation Monitoring;
- Track Gauging;
- Perimeter Air Monitoring; and
- Construction Water Management.

5.1 Erosion and Sediment Controls

Prior to starting ground-disturbing activities, erosion and sedimentation (E&S) controls were required to prevent the migration of soils and sediments to waterways bordering the Site. The E&S controls were implemented in accordance with the Soil Erosion and Sediment Control Plan Certification & Storm Water Pollution Prevention Plan (SWP3). The SWP3 was developed to meet the New Jersey Department of Environmental Protection (NJDEP), Division of Water Quality regulations as well as those of the Bergen County Soil Conservation District (BCSCD). There were several revisions to the SWP3 which are discussed in Section 6.1.1–Permits and Permit Equivalencies.

E&S controls utilized during construction activities included the following: silt fence, super silt fence, check dams, and turbidity curtains. **Figure 4** shows the location of the primary E&S controls installed and maintained during Site remediation. The RACs were responsible for submitting material certifications of products related to E&S control to Parsons for review of compliance with the construction specifications and drawings. Parsons was responsible for the inspection of the E&S materials brought onsite for compliance with the specifications and product submittals, as well as to ensure that the installation of the materials was in compliance with the SWP3.

Prior to Site clearing activities, perimeter silt fence was installed approximately 55 feet from the mean high tide (along the 55-foot buffer line). The silt fence was installed using conventional wood stakes and woven textile fabric type silt fencing. To allow for the construction of the undeveloped area cap transition into the 55-foot buffer this perimeter site fence was moved approximately 5 feet towards the mean high tide line (Elev. 3.4 feet MSL). Silt fence was also installed around soil stockpiles at the Site including the excavated 55-foot buffer material.

Reinforced super silt fencing was installed at elevation + 3.4 ft MSL (mean high tide elevation) around the perimeter of the Site bordered by waterways where the fluctuations in tidal elevation would have made the maintenance of conventional silt fencing impractical. Super silt fencing

consisted of 2 ½" O.D. galvanized steel fence posts, wire mesh fence backing, and woven textile fence fabric.

The E&S controls were removed following hydroseeding of the undeveloped area cap and establishment of vegetation in the 55-foot buffer. Consent was received from the BCSCD prior to the removal.

Parsons performed inspections of the Site E&S controls weekly and following storm events as required by the SWP3. An inspection report form, included as an attachment to the SWP3, was completed and maintained onsite as documentation that the inspections were completed. SES was informed of any deficiencies noted during the inspection within 24 hours. The inspection reports are available for review upon request.

5.2 Pre- and Post-Condition Surveys

Prior to the start of the undeveloped and developed area construction phases, Parsons performed pre-condition surveys of the adjacent structures, the Norfolk Southern railroad spur and railroad bridge, and the West Riser Tide Gate. Following the completion of construction phases, the post-condition surveys were conducted to assess whether any movement, settlement or damage had occurred subsequent to the pre-condition survey and if repairs would be necessary. The surveys consisted of picture documentation and visual inspections of the structures located in close proximity of site-related construction activities including sheet pile driving, deep excavation, heavy equipment operation, dewatering, and truck traffic. Critical components of the adjacent structures and railroad siding were also surveyed for location and elevation to monitor for movement as part of the pre and post condition survey program.

For the undeveloped area, the pre-condition surveys of the railroad spur, railroad bridge and West Riser Tide Gate were conducted on March 16, 2009 and of the eastern side of the Wolf Warehouse on August 18, 2009. For the developed area, the pre-condition surveys of the remaining sections of the Wolf Warehouse and the eastern portion of the U.S. Life Warehouse were performed on March 10, 2010 and April 5, 2010, respectively. During the pre-condition surveys, notable cracks observed in the concrete foundation, slab and wall panels were documented and photographed in order to identify movement or cracking which may have occurred during construction.

For the undeveloped area post-condition surveys of the railroad spur, railroad bridge and West Riser Tide Gate were conducted on December 16, 2009 and of the Wolf Warehouse on December 4, 2009. The post-condition survey indicated no observed changes in the conditions. For the developed area, the post condition surveys of the Wolf and U.S. Life Warehouses were conducted on October 26 and 27, 2010. No changes in conditions were observed in the U.S Life Warehouse. However, the results of the Wolf Warehouse survey indicated that minor cracking (less than ½" in width) occurred in two sections of the Wolf Warehouse floor slab located in the northwest and southwest corners of the building. In addition, photo documentation indicated that a steel lateral support rod (1" diameter supporting exterior columns) in the southwest corner of the building had also broken at the connection point. Parsons determined that repairs to the floor

slab cracks and broken support rod were warranted. Accordingly, the cracks in the concrete floor slab were sealed using Sikaflex joint sealant and the broken support rod was welded to repair the connection.

5.3 Geotechnical Instrumentation Monitoring

A geotechnical instrumentation monitoring program was implemented during construction to minimize construction-related impacts to the existing buildings, structures, and railroad tracks. The primary structures focused on were the U.S. Life and Wolf Warehouses and the Norfolk Southern railroad spur along the northern perimeter of the Site. The monitoring program required involvement and coordination by Parsons, SES, and their subcontractors. In addition, Parsons also coordinated with Norfolk Southern Railroad by providing design submittals for their review and approval of the excavation bracing system and monitoring measures that would be implemented for the excavation work occurring within close proximity to their rail spur. Both real-time and time-dependant (settlement, ground water elevation, etc.) data were collected and reviewed by Parsons. The results of the monitoring programs were summarized in the daily field construction reports presented in **Appendix B**.

The monitoring program included vibration, deformation, and ground water monitoring. The monitoring was performed in accordance with the specifications and drawings provided to SES. Two action levels were established as part of the program. A "*Warning*" (threshold value) level led to a momentary cease work with an implementation of corrective measures and a "*Stop Work"* (limiting value) resulted in a work stoppage to evaluate conditions, propose corrective options and obtain approval from the Engineer prior to proceeding..

5.3.1 Vibration Monitoring

Vibration monitoring was performed by Parsons using a MiniMate Instantel Plus seismograph. Real-time seismic data was monitored and collected during sheet pile driving/extraction, excavation, backfill, compaction, or any other activity with the possibility of inducing a deleterious vibration within 50 to 100 feet of a structure. Geophones for the seismograph were typically located between the vibration-inducing activities and the structure to be monitored. Additionally, seismographs were placed inside the warehouses near the perimeter foundation walls. The threshold value for vibrations was based on the operating frequency of the sheet pile hammer. In general, with the hammer operating above the minimum recommended frequency of 25 Hz, the threshold value for vibrations was in the range of 1.5 to 2.0 inches per second. The limit value of vibrations was set at 2.0 inches per second regardless of hammer operating frequency.

The vibration monitoring indicated isolated short-term exceedances of the threshold values during distinct events such as encountering an obstruction during sheet pile driving or varying the driving hammer speed below the recommended operating frequency. When these events occurred, Parsons informed SES of the threshold value exceedance and they modified the work activity to reduce the vibration levels. The vibration monitoring indicated that there were no

sustained exceedances (i.e., several seconds or longer in duration) of the threshold values during the construction activities. No exceedances of the limiting values were experienced during the construction activities.

5.3.2 Deformation Monitoring

Deformation monitoring consisted of horizontal, vertical, and angular monitoring of the Wolf and US Life Warehouses and the Norfolk Southern Railroad Spur using a network of survey deformation monitoring points (DMPs) and crack gages. DMPs were installed at each column location around the perimeter of the warehouse foundation walls. DMPs were also installed on the Norfolk Southern railroad tracks and ties and on the top edge of temporary sheet piles for the various excavation areas. Crack gauges were installed on the warehouse where there were existing cracks in the foundation wall and select wall panel joints.

The DMPs consisted of masonry bolts installed in the outer face of the warehouse foundation walls; nails in select railroad ties; and chiseled marks engraved into the tops of foundation walls and temporary sheet piles. These points were surveyed regularly, with the frequency varying from three times daily to once per week depending on the location and nature of work. Survey monitoring was performed at its highest frequency when sheet pile driving and excavation operations took place within close proximity to the structures. During this time, survey monitoring of the Area D work zone was performed three times per day (morning, afternoon, and at the end of the work day). If an exceedance of a predetermined threshold or limit value was observed, the surveyor would immediately inform Parsons and SES management personnel, work would stop, and the appropriate mitigation measures would be implemented. A summary of the DMP threshold and limit values is provided below:

- **Threshold Value**: Movement at surveyed DMP on buildings or structures exceeds 0.25 inches in the x, y or z axes.
- **Limit Value**: Movement at surveyed DMP on buildings or structures exceeds 0.50 inches in the x, y or z axes.

Crack gauges were a manufactured monitoring instrument consisting of two durable plastic measuring scales which were fastened to the foundation wall with epoxy on each side of a crack or joint. The assembly enabled each piece to move independently of the other if a crack or joint expanded or contracted. During the work within Excavation Areas D and I, crack gauge readings were typically taken twice daily and subsequently reduced to once daily as the excavation work was completed and backfill placement was in progress. The crack gauge readings exhibited very little or no movement of the existing cracks that were monitored and there were no exceedances of the threshold values. A summary of the crack gauge threshold and limit values is provided below:

- **Threshold Value**: Measured difference in crack width exceeds 0.0625 inches.
- **Limit Value**: Measured difference in crack width exceeds 0.25 inches.

During the excavation of Area D-4, temporary supporting sheet pile deflections occurred which resulted in the vertical and lateral movement of approximately 100 linear feet of Norfolk Southern railroad track adjacent to the excavation. The movement was first detected on the DMPs installed along the railroad track and the DMPs installed on the sheet piles for cell D-4 and adjacent cells D-16 and D-17. During the stop work period, the data was assessed by Parsons and SES to determine the cause of the movement and develop corrective actions to enable work to resume and prevent further movement. The following corrective actions were implemented;

- Additonal survey DMPs were also installed at 10-foot intervals along the railroad track located on the center of the railroad ties and on each track rail.
- Excavation dewatering was stopped outside of Cell D-4.
- No further driving of temporary sheet piles in the area of Cell D-4 was permitted.
- Additional interior bracing and blocking were installed in Cells D-4, D-16 and D-17.

Following implementation of these corrective measures, excavation work resumed in D-4 and was completed with no further exceedances of the threshold or limit values. Upon completion of the backfill placement for Area D, Norfolk Southern mobilized a repair crew to realign and re-ballast the affected portion of the railroad track.

5.3.3 Groundwater Monitoring

Parsons installed four (4) piezometers (1 ½" dia. perforated PVC) around the perimeter of the Wolf Warehouse to a depth of approximately 10 feet below the ground surface. The purpose of the piezometers was to monitor ground water levels during excavation and construction dewatering of Area I and Area D. During active excavation dewatering periods, ground water monitoring was performed once per day with the frequency reduced as the excavation work was completed and the dewatering systems were removed from operation. A slight drop in ground water levels was observed during the Area D excavation work which approached the threshold level. However, the drop in ground water levels was attributed to a prolonged dry period experienced at the Site during the period of the excavation work. A summary of the piezometer threshold and limit values is provided below:

- **Threshold Value**: Measured lowering of the ground water level exceeding 1.0 foot.
- **Limit Value**: Measured lowering of the ground water level exceeding 2.0 feet.

5.4 Track Gauging

Construction vehicle access during the undeveloped and developed area construction phases required crossing a railroad spur leading to the U.S Life Warehouse. The condition of the crossing was observed to be poor prior to construction. To minimize impacts to the U.S. Life Warehouse Agreements the crossing was upgraded to accommodate the increased truck traffic

anticipated over the duration of the project. The work was performed by Tracks Unlimited, Inc. in May 2009.

Parsons measured the gauge of the track on a weekly basis to verify the gauge was remaining within tolerable limits. The track gauge was measured at three equidistant locations along the track crossing. To ensure that measurements were taken at or near the same location from week to week, Parsons surveying subcontractor, Borbas, located three monitoring locations spaced 45 ft apart. The locations were marked with spray paint and a small drill hole. Measurements were collected by Parsons with an engineer's tape measure.

Track gauging data was collected during construction between the period of May15, 2009 and November 23, 2010. Measurements were tabulated and compared to the initial baseline measurement recorded on May 15, 2009. The summary of readings is presented as **Table 5-1**. Weekly gauge measurements fluctuated by approximately 1/8" from week to week in either direction. The fluctuations were attributed to the varying site conditions (i.e., weather, temperature, etc.) rather than physical movement of the track. Parsons arranged for Tracks Unlimited, Inc., to perform a final inspection of the railroad crossing after substantial completion of the construction activities. Tracks Unlimited certified that the railroad crossing continued to be in satisfactory condition and was acceptable to receive rail cars.

5.5 Perimeter Air Monitoring

Perimeter air monitoring was performed at the Site in accordance with the Perimeter Air Monitoring Plan (PAMP) included as Appendix J of the Undeveloped Area RAW. Air monitoring was performed during intrusive site activities and during load out of excavated mercury-impacted materials. The purpose of the PAMP was to protect the community and public from exposure to emission of hazardous constituents in air related to Site activities above accepted guidance and reference limits. Real-time monitoring was performed for mercury vapor, volatile organic compounds (VOC), and particulate matter (PM-10). The results of the air monitoring programs were summarized in the daily field construction reports presented in **Appendix B**.

5.5.1 Perimeter Air Monitoring

The air monitoring system consisted of two types of stations: permanent air monitoring stations (PAMS) and temporary air monitoring stations (TAMS). PAMS consisted of fixed location, temperature-controlled stations each equipped with a Tekran 2537A mercury vapor analyzer, a MiniRAE 2000 photo ionization detector (PID) for monitoring VOC's, and a Met One E-Bam portable real-time beta gauge for PM-10 monitoring. A total of four PAMS were established on the Site, at the locations shown on **Figure 4**. In accordance with the PAMP, time-integrated sampling for mercury vapor was performed on a weekly basis at the perimeter stations for quality assurance. Samples were collected using the Frontier Geosciences Sorbent Total Mercury Method and the results of the analytical testing compared to the real-time data collected by the

real-time instrumentation. Details regarding the time-integrated mercury sampling are discussed in the PAMP.

TAMS consisted of a mobile trailer which was positioned according to prevailing wind direction and location of work activity. Each TAMS was equipped with a Jerome 471 mercury vapor analyzer, a MiniRAE 2000, and a Met One E-Bam. Additionally, a meteorological weather station was established on Site to provide real-time wind data to determine proper positioning of TAMS and provide a record of weather conditions at the Site. Two TAMS stations were deployed daily on the Site.

Data collected by the perimeter air monitoring system was transmitted wirelessly (or via manual download in certain cases) to a central data acquisition system (DAS) which presented real-time sample data and weather conditions, archived data, calculated averages, and generated air quality reports.

5.5.2 Action Levels and Implementation

Action levels for mercury vapor, VOCs, and PM-10 were developed in the PAMP based on a review of information published by the USEPA, development of a standard human health risk assessment, and the collection of background air monitoring data at the Site prior to intrusive activity. The PAMP thoroughly discusses the different methodologies employed to establish Site action levels. A summary of the action levels is presented as follows:

Parameter	Action Level	Units	Basis of Action Level
Mercury	1.64	ug/M^3	8-hour Average
	1.32	ug/M^3	10-hour Average
	1.11	ug/M^3	12-hour Average
	0.95	ug/M^3	14-hour Average
	45	ug/M^3	Instantaneous
PM 10	150	mg/M^3	8-hour Average
	210	Mg/M^3	Instantaneous
VOCs	Above Background	ppm	15-minute average based on baseline monitoring
	10	ppm	Instantaneous

An implementation plan was developed based on the action levels to provide field personnel with a list of threshold levels that were either an early warning of a potential problem or required mitigation or work stoppage. Three status categories were developed as a tool to implement the PAMP. These categories were:

1. Green – construction activities are ongoing;
2. Yellow – construction activities are proceeding with caution (early warning of potential problem);

3. Red – work stopped and/or apply mitigations measures until a yellow or green condition exists.

Details of the threshold levels and example actions for each level are provided as **Table 5-2**.

5.5.3 Air Monitoring Results and Mitigation Measures

Daily air quality reports that summarize data collected were included as an attachment to the Daily Field Report and are presented in **Appendix B** of this report. Perimeter air monitoring data is maintained in the project files and is available upon request.

Parsons reviewed the air monitoring results on a continuous basis and notified SES of any changes in conditions. On a weekly basis Parsons determine how many hours were spent in each monitoring condition (green, yellow, and red) and presented them at the weekly meetings discussed in Section 4. A total of 3001.5 hours of perimeter air monitoring were performed during the undeveloped and developed area construction phases. Approximately 85% of that time (~2542 hours) was attributed to the green monitoring condition. **Table 5-3** provides a summary of the conditions causing elevated air monitoring readings during construction and the mitigation measures taken.

Peaks exceeding the instantaneous limit for PM-10 and VOCs were typically short in duration. When detected, mitigation measures were instituted to counteract these conditions. Mitigation measures for elevated levels of VOCs and PM-10 included modifying work practices, saturating source areas with water, and covering areas with polyethylene sheeting.

When elevated mercury vapor concentrations were detected the construction team utilized perimeter air readings, as well as additional handheld instruments and observations, to identify potential causes of elevated readings. The rate of mercury volatilization was found to be impacted by both temperature and solar radiation. Hot, sunny days were found to increase the rate at which mercury volatilized from soil which, at times, resulted in red monitoring conditions. Excavation near the Site perimeter (notably in Area I and Area D) resulted in elevated mercury vapor concentrations detected by the PAMS as well. Material handling techniques were found to be another source of elevated mercury vapor concentrations.

A variety of traditional and innovative mitigation measures were utilized at the Site during the course of construction which targeted mercury vapor. Traditional efforts included covering exposed areas with polyethylene sheeting and saturating exposed areas with water. When these techniques were observed not be effective work was stopped for the remainder of the day or HgX was applied. HgX is a product of Acton Technologies Inc. HgX is a chelating compound that physically reacts with mercury to form non-vaporizing sulfide compounds. HgX was applied at the Site by mixing the product with water and spraying. HgX was applied to both mitigate mercury vapor and as a preventative in areas where high mercury vapor emissions were anticipated.

5.6 Construction Water Management

Bigler Associates constructed, operated, and maintained a CWTP with a capacity of 75 gpm at the Site to treat contact water generated from construction activities. SES collected contact water via excavation area sump pits, excavation dewatering well points, the soil stockpile pad sumps, and within the limits of the vertical barrier wall. SES transferred the collected water through a dedicated network of HDPE piping and hoses to the CWTP. Water was treated by Bigler and then SES discharge to ground water through an infiltration basin. The discharge criteria for water treated at the CWTP were based on the GWQS set forth in N.J.A.C. 7:9C (Specific Ground Water Quality Criteria – Class IIA and Practical Quantitation Levels). **Table 5-4** provides the site-specific, targeted GWQS values for the CWTP. The average, weekly analytical sampling results for the effluent discharge are presented in **Table 5-5**. A brief description of the major components of the construction water treatment processes at the Site is described in the following sections.

5.6.1 Contact Water Handling

Contact water which accumulated on Site was managed to prevent cross-contamination. The majority of contact water generated onsite was from excavation areas below the ground water table with soil concentrations of mercury greater than 620 mg/kg. The excavations areas were typically enclosed within a temporary sheet pile wall with sealed joints as described in Section 6.4 of the report. The primary method of excavation dewatering was by utilizing trash pumps (typically 4-in to 6-in Godwin diesel pumps) to remove contact water from small sumps within the deeper excavation cells. Dewatering sumps were filtered to prevent excess debris from being sent to the CWTP using clean stone or perforated sump cans.

SES also dewatered excavations using a network of dewatering well points which were installed following the completion of temporary sheet pile driving. A total of 28 well points were installed in select undeveloped area excavation areas and two were installed in developed area excavation areas by the SES drilling subcontractor, Moretrench. Wellpoints were 12-in. diameter, slotted PVC pipes installed within a 2-ft diameter borehole to 1-ft below the design bottom of excavation. The empty cavity around the pipe was backfilled with No.1 well gravel (silica quartz). SES inserted submersible electric pumps at each well point as needed. Contact water was pumped from the well points to a common PVC header system which would then convey the water to the CWTP. Flow to the CWTP was controlled by closing valves at the header system or by shutting down individual pumps. Well points were removed during excavation activities. The PVC piping removed was decontaminated on the stockpile pad, crushed, and placed beneath the undeveloped area cap. Well gravel was disposed off site with mercury-impacted soils.

Contact water was also generated at the asphalt stockpile pads. The asphalt stockpile pads were enclosed by a 6-in tall asphalt berm to prevent contaminated runoff water from impacting the surrounding “clean” access roads. Precipitation, decontamination water, and runoff drained to a collection sump. Haybales were placed around the collection sump, as necessary, to reduce the amount of sediment entering the sump. The contact water was pumped from the collection sumps using submersible electric pumps. SES utilized float switches at the sumps to automatically engage the pump when the depth of water reached a certain level. The float system

prevented overtopping of the stockpile pad during storm events during off-work hours. SES also reinforced the asphalt berm surrounding the sump against overtopping with concrete bin blocks and sand bags when significant precipitation events were expected.

Parsons and SES regularly inspected pipes and hoses for leaks or breaks. Where damage to piping or hoses was observed, these were repaired or replaced within 24 hours. When observed, clean backfill impacted with contact water was removed and handled with the mercury-impacted soils.

5.6.2 Construction Water Treatment Plant

The CWTP consisted of a series of unit processes capable of treating influent for arsenic, mercury, thallium, iron, manganese, TSS, and benzene at a flow rate of 75 gallons per minute (gpm). The sequential unit operations utilized for treatment of contact water at the Site included:

- Influent holding tanks;
- pH adjustment;
- Chemical precipitation and gravity clarification;
- Filtration;
- pH re-adjustment;
- Standard granular activated carbon adsorption;
- Post-GAC adsorption filtration; and
- Effluent holding/monitoring tanks.

The CWTP was issued a permit to discharge, permit number SRP PI G000004547, dated February 9, 2009. This permit requires testing of treated contact water for each new source (i.e., >620 mg/kg excavation area) prior to discharge, as well as weekly testing while the CWTP is discharging. The results of compliance testing, including a summary of the volume of water treated and discharged from the CWTP, are presented in **Table 5-5**.

Elevated mercury vapors encountered during the excavation of area D warranted the use of HgX as a mitigation measure during excavation. Treated area D effluent water sampled prior to discharge, exhibited mercury concentrations exceeding permitted limits. A proprietary chemical (MCX) and pH buffering step was added to the process during the week ending May 29, 2010 to counteract the effects HgX-impacted water was having on the quality of treated effluent. The addition of MCX reduced effluent mercury concentrations to below the permit requirement, but increased effluent manganese above the allowable weekly permit averaging requirement. Parsons directed Bigler to hold non-compliant effluent and presented the information to the NJDEP on June 24, 2010. NJDEP acknowledged the levels of manganese in CWTP effluent and agreed to a modification of the permit requirements for manganese on June 24, 2010.

5.6.3 Infiltration Basin

An approximately 79,100 SF, bermed infiltration basin was constructed as shown on **Figure 4**. The infiltration berms were constructed with certified clean, dense-grade aggregate stone (DGA) approximately 3 feet above grade with sloped sides. Berms were compacted to 92% or greater of the maximum dry density as determined by ASTM D1557. Compaction testing was performed

at the Site using a Troxler (nuclear) density gauge by SES' civil testing laboratory, MT Group. The results of in-place compaction testing are summarized in **Table 5-6**. The basin was backfilled with 6 inches of 1 ½-inch washed stone. Both DGA and 1 ½-inch washed stone were provided by Tilcon's Pompton Lakes Quarry. Results of QA material testing and clean source documentation for DGA and washed stone are provided in **Appendix E**. Parsons was present during the construction of the infiltration basin.

Treated contact water was discharged from the CWTP directly to the infiltration basin through fusion-welded HDPE pipes. The effluent discharge piping was connected to the infiltration basin by a 36-inch diameter, corrugated HDPE standpipe. The standpipe subsequently discharged into a 48-inch diameter, corrugated HDPE distribution box which discharged the treated contact water through five, perforated HDPE outlet pipes. Manufacturer's details and material certifications are provided in **Appendix E**.

Parsons performed weekly inspections of the infiltration basin to monitor the stability of the berms, check for leaks or breaks in the piping and check the integrity of the inlet and outlet structures. Weekly inspections were documented in the Daily Quality Assurance Reports (see **Appendix B**). Any deficiencies observed during inspection were communicated to SES for repair.

Section 6 – Remedial Action Summary

6.1 Mobilization and Site Preparation

Construction remediation activities for the undeveloped and developed areas involved three separate mobilizations by the RACs and Parsons as summarized below.

1. The initial mobilization was for the IRM which began on October 28, 2008 included Panther Technologies (Panther) and Parsons. Furino & Sons, Inc. subsequently replaced Panther as the remediation contractor in December 2008.
2. Construction water treatment plant construction mobilization began on November 27, 2008 which included Bigler and Parsons.
3. The undeveloped area mobilization began on March 16, 2009 which included SES, Bigler and Parsons.
4. The developed area mobilization began on March 15, 2010 which included SES, Bigler and Parsons.

As part of the mobilization process, Parsons reviewed the various required workplan submittals prepared by RACs prior to mobilizing specific equipment to the Site. Proposed borrow sources were also identified during the mobilization phase and a Parsons representative conducted site visits of the borrow source to obtain quality assurance samples of the fill materials, observe the overall volume of available soil and note the surrounding site conditions to verify soils were being excavated from a virgin source where applicable.

6.1.1 Permits and **Permit Equivalencies**

Several permit and permit equivalency applications were obtained for the project. Permits for construction support activities (i.e. temporary electrical permits, building permits, road closure permit, etc) were obtained from the Borough of Wood-Ridge as necessary. A Storm Water Pollution Prevention Plan (SWPPP) was submitted to Bergen County Soil Conservation District and updated as necessary during construction. A permit was obtained from the Federal Aviation Administration allowing a crane to be used on site. This was necessary due to the proximity of Teterboro Airport to the Site.

Permit equivalencies were obtained for several aspects of the project related to environmental regulation due to the remediation nature of the project. A permit equivalency was obtained from the NJDEP to discharge treated effluent from the CWTP to ground water. A permit equivalency was obtained from the New Jersey Meadowlands Commission (NJMC) for a zoning certificate, which allowed for modifications to property (e.g. temporary road construction, tide gate installation, etc). This was necessary as the portion of the Site contained in the Borough of Carlstadt is within the jurisdiction of the NJMC. A permit equivalency was obtained from the NJDEP which combined the requirements of the Land Use Regulation Program (LURP) for freshwater and coastal wetlands, the Flood Hazard Area Control Act, and a Water Quality Certificate. A complete list of permits and permit equivalencies including submission and revision dates is included in **Table 6-1**.

6.1.2 Site Preparation and Clearing- Undeveloped Area

Site clearing activities were performed during the IRM and undeveloped area construction phases to clear vegetation and surficial debris. The vegetative cover over the undeveloped area of the Site consisted of low lying brush, phragmites (wetland reed), and a number of deciduous trees scattered about the Site. Perimeter E&S controls were instituted prior to Site clearing activities. The majority of the Site clearing operations were performed by Panther; however some of the work was completed by SES.

Low lying brush and phragmites were cleared using a brush hog or by tracking over with a bulldozer. The cleared brush was typically left beneath the undeveloped area cap, or removed if located within the limits of excavation of soils containing mercury >620 mg/kg. Trees were felled using chain saws or excavator mounted tree shears. Felled trees were stockpiled for chipping and grinding. Tree chips were stockpiled onsite and eventually scattered beneath the undeveloped area cap.

Grubbing was reserved to the pre-determined excavation areas and temporary pads to limit the area of disturbed soil onsite. Stumps and roots were typically extracted from the ground using bulldozers or excavators. Large, grubbed vegetation was chipped and spread beneath the undeveloped area cap.

6.1.3 Support Area and Access Roads

Office trailers and site support services were located on the adjacent Randolph Property. Trailers were set up for the RACs, Parsons, and the ACOE. These were located in the back of the property as shown on **Figure 4.** The area was cleared prior to construction and 12-inches of 3/4 –inch was stone was placed.

To permit traffic in and out of the undeveloped area during the remedial actions an access road was constructed across the Randolph Property from Park Place East additional temporary access roads were constructed around the Site to facilitate the flow of construction traffic as shown on **Figure 4.** Temporary construction access roads provided a clean, uncontaminated, surface for construction equipment and other vehicles to travel. Access roads were constructed and maintained by SES throughout the remedy. Access roads were typically constructed 12-inches thick (compacted) with certified clean DGA overtop of non-woven geotextile fabric. Smaller, temporary access roads and haul roads were constructed as necessary to facilitate access around the Site. Clean fill certification and material information is provided in **Appendix E** for materials utilized for access road construction. **Figure 4** shows the location of the primary access roads on site.

To delineate the clean access roads from the rest of the undeveloped area, orange construction fencing was typically installed as a visual aid and physical barrier. When it was necessary for construction equipment to cross clean access roads, SES constructed crossings which consisted

of plastic sheeting overlain by either non woven geotextile or crane matting. Any site soil that was observed on clean access roads was collected and disposed at the approved offsite facility.

6.1.4 Soil Stockpile Pads

A 52,500 square foot asphalt pad was constructed to stockpile soils with mercury concentrations greater than 620 mg/kg soils prior to offsite disposal. A small sump pit was installed in the southwest corner of the pad for dewatering contact water accumulated on the pad. The soil stockpile pad was constructed with 12-inches of compacted DGA on top of non woven geotextile fabric. DGA was graded with a gradual slope toward the sump pit in the southwest corner. DGA was compacted with a 10 ton smooth drum vibratory roller to 92% of maximum dry density of ASTM D1557 as measured with a Troxler density gauge. SES subcontracted Garden State Asphalt Materials to apply liquid asphalt primer coat to the compacted DGA. Two, 2 inch thick courses of asphalt binder were placed within 24 hours of asphalt primer by SES paving subcontractor, Tilcon. A six inch tall asphalt berm was installed along the perimeter of the pad to contain contact water and soil.

Following the excavation and backfill of Area E/F and during the West Riser Tide Gate Project (staged within the limits of the undeveloped area), a smaller secondary asphalt pad was constructed in the same manner as described above and maintained to provide a secondary material storage area. The locations of the two asphalt storage pads are provided in **Figure 4**.

Parsons QA reviewed the asphalt subgrade survey information prior to placement of asphalt primer to confirm positive drainage to the sump pit. SES submitted asphalt primer and asphalt mix design and product information to Parsons for review and verification of compliance with the project specifications. Parsons QA was present during construction of the asphalt pads to confirm that the construction and materials utilized were in compliance with the project drawings and specifications.

6.1.5 Drum Storage Pad

During the IRM, Panther constructed a 500 square foot, bermed, double lined area for the temporary storage of drum related waste awaiting offsite disposal. The pad was constructed of three layers of clean sand. The lower two layers of sand were each 6 inches thick and overlain with a 6 mil PVC liner. The uppermost layer was approximately 12” thick and graded towards a perforated HDPE sump in the southeast corner for collection of liquids. Berms and side slopes were armored with nominal 3 inch stone to prevent erosion. Access to the containment area was via a ramp constructed of compacted DGA. The perimeter of the drum storage area was surrounded by a 6 foot tall fence with a locking double drive gate.

Parsons QA was present during construction of the drum storage area to verify compliance with the project drawings and specifications. Clean source certification and material index property testing for the clean sand and DGA, as well as product certification and shop drawings for the fencing materials are provided in **Appendix E**.

6.1.6 Utility Relocations

Parsons subcontracted installation of temporary electrical service during the IRM construction phase to the undeveloped area to power the PAMS and CWTP. The electrical service was tapped at a pole located near the primary Site access gate located on the Randolph Products property and continued east to the undeveloped area. The temporary utility poles and overhead lines were installed by Henkels and McCoy following sufficient clearing of large vegetation by Panther. The locations of the temporary electrical services to the undeveloped area are presented in **Figure 4**.

SES arranged for a utility mark-out of the utilities located in Ethel Boulevard and in front of the Wolf and U.S. Life Warehouses that would be impacted by the remediation work. Information from previous utility searches and on-site Ground Penetrating Radar (GPR) studies to locate potentially unidentified utilities prepared by Parson was also made available to SES for their use. Parsons coordinated with respective utility owners of the planned utility disconnects and temporary service terminations prior to commencing with any Site disturbance for the excavation Area D work. Temporary electric, phone, and water service was supplied to the Wolf Warehouse to enable fire alarm and suppression systems to remain in operation during the course of the developed area work. Upon completion of the developed area work, temporary service was removed and permanent utility service was restored.

6.1.7 Storm Water By-Pass System and Developed Area Preparation

SES removed soil and vegetation accumulated within the drainage swale between the Wolf and U.S Life Warehouses and staged these materials on the soil stockpile pad for offsite disposal. Asphalt pavement from between the warehouse and the areas affected by the excavation Area D work were removed, broken up in 12 inch or smaller sized fragments and staged on the soil stockpile pad for reuse as fill within the undeveloped area. The existing railroad tracks, ties and ballast were also removed from the rear of the Wolf Warehouse and properly disposed of off-site.

SES installed a storm water by-pass system to capture storm water runoff from the front of the Wolf and U.S. Life Warehouses and convey the storm water through piping to an energy dissipater pad located at the southern end of the West Ditch. To prevent tidal water from flowing back up into the West Ditch and the swale between the warehouses, SES installed the sheet piles for the Tide Gate at the southern end of the West Ditch leaving the tops of the sheets at Elevation 7.7 feet mean sea level. Once in place, the by-pass system was able to pump accumulated storm water from an existing inlet structure located in front of the U.S. Life Warehouse (which acted as a sump pit) through an HDPE piping system running between the warehouse and down the West Ditch. Storm water subsequently discharged onto the energy dissipater pad which then drained into the Diamond Shamrock Henkel Ditch (north).

6.2 Lin-Mor Property Excavation

Excavation and removal of Site related contamination, specifically mercury and lead, to the NJDEP Residential Direct Contact Soil Clean up Criteria (RDCSCC) was completed on the Lin-Mor Property in accordance with the requirements of the ROD and as described in Section 4.3 of the Undeveloped Area RAW.

Excavation of the two areas identified as being impacted with contamination proceeded from west to east. The excavation and backfilling was completed in a total of 5 working days in two separate phases. The Lin-Mor excavation areas were excavated to a depth of approximately 2.0 feet below ground surface. Calculations using pre- and post- excavation survey information indicate that a total of 19 cubic yards were removed and placed in the undeveloped area as described below. Pre- and post- excavation survey data is shown on **Figure 5**.

6.2.1 Pre-Construction

Parsons was granted access to the Lin-Mor excavation areas by the property owner. Prior to any activity on the property, Parsons performed a site walk to observe the conditions of the work area and contacted the New Jersey One-call service to identify the presence of utilities. A geophysical survey to mark out existing subsurface utilities and survey layout of the excavation areas was completed by Parsons' subcontractors Enviroprobe (geophysical) and Borbas (survey), respectively. The geophysical survey identified the location of subsurface electrical conduit and storm drain.

6.2.2 Construction

Excavation was performed by Panther between 12/1/08 and 12/3/08. The excavator and dump truck were positioned north of the excavation to facilitate access and egress between the Lin-Mor property and OU-1. Excavated soil was directly loaded to the poly lined dump truck and hauled to the undeveloped area of OU-1 where the material was placed as backfill beneath the cap near the northwest corner of Area E.

During excavation, Panther struck and breeched the subsurface storm drain line. The storm drain line had been identified and marked out on the pre existing asphalt surface prior to excavation. The Lin Mor property owner was informed of the damage and authorized a concrete patch repair. The patch was applied prior to backfill.

Panther began backfilling of the Lin-Mor property excavations on December 3, 2008 following confirmation of achieving the target vertical and horizontal limits of excavation and post excavation sampling by Parsons. Excavations were backfilled with certified clean DGA backfill imported from an off-site borrow source. Backfill was placed in eight inch lifts and compacted with multiple passes of a plate tamper to match the grade of the existing asphalt pavement. Backfilling and compaction on the Lin-Mor property by Panther was completed on December 4, 2008.

Sidewall and bottom samples collected at the Lin-Mor property excavations on December 3, 2008 were shipped to certified analytical laboratory, TestAmerica Inc., for testing of lead (SW846 6010B) and mercury (SW846 7471A). The results of the initial post-excavation sampling indicated that the west sidewall of both Lin-Mor excavation areas exhibited concentrations of lead exceeding the RDCSCC. On December 15, 2008, Parsons collected "pre-"post remediation samples 3 feet into the contaminated sidewall of both excavation areas and screened them in the field using a portable XRF analyzer pursuant to the post remediation sampling requirements defined in Technical Requirements for Site Remediation (TRSR) 7:26E-6.4ii. The results of field screening at the three foot interval were below the NJDEP RDCSCC for lead and provided final delineation of lead contamination on the Lin-Mor property. The results of post excavation and "pre-"post excavation sampling are summarized in **Table 6-2.**

Furino Bros. Construction extended excavation into the contaminated sidewalls of both excavations to complete removal. Excavated soil was directly loaded to the poly lined dump truck and placed as backfill below the undeveloped area cap near the northwest corner of Area E. Excavation, backfill, and compaction of the additional 3 linear feet of excavation concluded on December 19, 2008 completing the work.

Work was performed in level D PPE. Parsons performed worker health and safety air monitoring during excavation in accordance with Parsons' Site specific HASP.

6.2.2.1 Material Submittals

Panther submitted analytical and index property testing results to Parsons prior to placement of DGA backfill. Index property testing results, were submitted at a minimum required frequency of 1 per source. Backfill submittals are presented in **Appendix E**.

6.2.2.2 Construction Quality Control

Construction QC consisted of the submittal of backfill testing and analysis documentation prior to its utilization on the Lin-Mor property. Panther furnished analytical and property testing data of backfill materials to document compliance with the construction specifications and confirmation that the backfill achieved NJDEP RDCSCC standards. Backfill material utilized by Furino Bros. was taken from the same stockpile of material left onsite by Panther. QC testing submittals for Lin-Mor property backfill are provided in **Appendix E**.

6.2.2.3 Construction Quality Assurance

Parsons reviewed backfill material submittal information from Panther to confirm its compliance with the construction specifications and NJDEP RDCSCC standards. To document the final vertical and lateral limits of excavation, a QA survey was performed by Borbas. Lastly Parsons was responsible for post and "pre-" post excavation sample collection, testing, and shipment. Parsons collected sidewall and bottom samples in accordance with (TRSR) 7:26E-6.4ii, as

described above, and shipped them to certified analytical laboratory, TestAmerica Inc., for testing of lead (SW846 6010B) and mercury (SW846 7471A).

6.2.3 Post Construction

Following completion of the removal of Site related contamination from the Lin-Mor property by both Panther and Furino, construction equipment vacated the property and all non-permanent construction materials were removed. A final inspection of the work was performed by Parsons prior to demobilization from the Lin-Mor property.

6.3 Drum Removal

Over the course of the IRM, undeveloped area, and developed area construction phases, drums and drum carcasses were removed from the undeveloped area and developed area. Handling, sampling, and disposal of drums was performed in accordance with Section 4 and Appendix D of the Interim Remedial Measure Workplan. **Figure 6** presents locations of drums removed from the Site.

6.3.1 Pre-Construction

6.3.1.1 Surficial Drum Identification

Surficial drums were identified in the undeveloped area during the PDI and IRM construction phase. The surficial inspection was performed after clearing by walking in 50 foot grid pattern. A significant number of drums were observed to be severely weathered or breeched carcasses with little to no contents remaining. Initial field screening was performed by Parsons. The quantity, location, condition, visual description of contents, and results of screening were documented on a drum inventory tracking log. Drum locations were identified with a stake by Parsons and surveyed by Borbas during the IRM construction phase.

6.3.2 Construction

6.3.2.1 Drum Extraction

Drums encountered during the work were extracted and managed onsite prior to transportation and offsite disposal. The approach for removal and handling was dependent upon the contents, field screening results, location, orientation, and condition of the drum. These operations were supervised by Parsons and performed by Panther and Furino Brothers Construction during the IRM construction phase and SES during the undeveloped and developed area construction phases.

Breeched drum carcasses containing tar waste were brushed for the removal of adhered soil and placed in a covered, lined, roll-off container. Carcasses encountered within soil with mercury concentrations > 620 mg/kg which were breeched and through initial screening and visual inspection contents were clearly identified as soil only, were transported to the asphalt soil

stockpile pad, emptied, crushed and placed in a lined roll-off container. Soil contained within was disposed offsite at Stablex Canada, Inc. of Blainville, Quebec with the permission of the facility. Severely weathered and empty carcasses containing less than 1 inch of residual material were brushed with hand tools for removal of adhered soils, crushed and placed in a roll-off container. Drums containing greater than 1 inch of non-tar material were placed in re-sealable, over-pack containers. Repackaging of drum wastes typically occurred at the extraction site, however, if contents could be identified as an existing, non hazardous waste stream, the drums were transported in a poly lined dump truck and repackaged on the asphalt soil stockpile pad. Over-packs were transported to the drum storage area and organized in groups of like material.

Drum extraction and handling was generally performed in Level D PPE. However, level C PPE upgrades were required, in accordance with the Site specific HASP, periodically during the undeveloped area construction phase.

6.3.2.2 Characterization of Drum Waste

Characterization sampling of drum waste material was performed in accordance with Appendix D of the IRM Workplan. Composite samples were collected from drums containing similar materials and shipped to an analytical laboratory for establishment of waste streams for determination of disposal destination. Analytical testing laboratories utilized for characterization of drum waste were: Accredited Analytical Resources, L.L.C. of Carteret, New Jersey (Panther); Test America Inc., of Pittsburgh, Pennsylvania (Parsons); and Waste Stream Technology, Inc. of Buffalo, New York (SES).

Fifteen waste streams were established for disposal. Panther established three, Parsons established ten, and SES established two. Six of the fifteen waste streams established were determined to be hazardous pursuant to EPA Title 40 CFR Part 261. A summary of the results of waste classification is presented in **Table 6-3**.

6.3.2.3 Drum Disposal

Drum related waste was shipped offsite for disposal. Manifest preparation, transportation, and disposal was subcontracted to Veolia by Parsons. SES provided additional labor and equipment during load out from the drum storage area. Over-pack drums were transported offsite by box truck or tractor trailer. Crushed drums and drums containing tar waste were transported by truck, in covered roll-off containers. Disposal facilities were determined by waste classification. See **Table 6-4** for the project drum inventory which includes the final destination of drums disposed offsite. Parsons coordinated the drum load out schedule with Veolia.

Hazardous and non-hazardous drum wastes removed during the IRM and undeveloped area construction were managed onsite by SES. A summary of offsite disposal by Veolia is outlined below.

Drums Containing Tar

Roll-off containers containing non-hazardous tar drum waste were shipped to Vexor Technology Inc. of Medina Ohio for disposal. Two shipments, each consisting of one, fifteen cubic yard roll-off container were scheduled during undeveloped area construction. The first shipment was received at the destination facility on May 13, 2009, the second on October 29, 2009.

Crushed Drums

Roll-off containers containing non-hazardous, empty, crushed drums were shipped to CWM Chemical Services, LLC of Model City, New York for disposal. Two shipments, each consisting of one, fifteen cubic yard roll-off container were scheduled during the undeveloped area construction. The first shipment was received by the disposal facility on May 14, 2009, the second on December 27, 2009.

Over-pack Drums

Over-pack drum wastes were shipped to disposal facilities operated by Veolia. A total of four shipments were scheduled. The destination facility for shipments one and two was Veolia ES Technical Solutions of Flanders, New Jersey. Shipment number one, consisting of approximately 2.3 tons of non hazardous and 2.1 tons of hazardous waste, was received for disposal on May 12, 2009. Shipment number two, consisting of approximately 4.7 tons of hazardous waste, was received for disposal on October 28, 2009. Shipment number three, consisting of approximately 5.5 tons of hazardous and 8.1 tons of non-hazardous waste was received by Veolia Technical Solutions of Port Arthur, Texas for disposal on November 4, 2009. The fourth and final shipment scheduled during undeveloped area construction was loaded onto a box truck and a larger tractor trailer. Approximately 2.9 tons of non hazardous and 3.4 tons of hazardous waste was loaded on to a box truck and received by Veolia ES Technical Solutions of Flanders, New Jersey on January 12, 2010. Approximately 3.4 tons of non hazardous and 11.5 tons of hazardous waste was loaded on to a tractor trailer and received by Veolia Technical Solutions of Port Arthur, Texas on January 15, 2010.

One additional shipment was sent during the developed area construction.
Hazardous drum waste removed from the 55-ft buffer and developed area was repackaged into six over-pack drums during developed area construction. Veolia shipped the 1.4 tons of hazardous drummed waste for disposal at Veolia ES Technical Solutions of Flanders, New Jersey. The shipment was received at the facility on August 18, 2010.

6.3.2.4 Submittals

Panther and SES provided qualifications and certifications for the analytical laboratory presenting waste characterization sample results. Analytical testing reports presenting the results of drum sampling activities were submitted to Parsons. During undeveloped and developed area construction, SES submitted updated drum location surveys to document the quantity and location of extracted drums.

6.3.2.5 Quality Control Activities

The locations of drums encountered throughout undeveloped and developed area construction were surveyed by KSS prior to extraction. SES and Panther were responsible for the collection of samples for waste characterization in accordance with Appendix D of the IRM Workplan.

6.3.2.6 Quality Assurance Activities

Parsons provided oversight during the extraction, sampling, and load out of drum related wastes. The drum removal inventory was maintained throughout all phases of construction. Parsons labeled over-pack and roll-off containers to ensure proper identification of materials staged onsite. Coordination was maintained with Veolia throughout the load out of drums. Transportation manifests and activity reports were reviewed for accuracy prior to shipment. Copies of transportation manifests were maintained in the onsite records.

6.3.3 Post-Construction

6.3.3.1 Disposal Manifests

Following offsite disposal, Veolia provided Parsons with manifest documentation which confirmed the receipt of drummed waste at the destination facility. Disposal manifests for drums are presented in **Appendix F**.

6.4 Mercury > 620 mg/kg in Soil Excavation

Site soils containing mercury concentrations greater than 620 mg/kg (>620 mg/kg soil) were excavated and disposed offsite in accordance with Section 4.1 of the Undeveloped and Developed Area RAWs. Details regarding typical crew, equipment, and construction rates were documented in the daily field reports which are presented in **Appendix B**.

6.4.1 Pre-Construction Activities

Pre-construction activities for the >620 mg/kg soil excavations are described in the section below and include:

- XRF delineation;
- Utility clearance;
- Surveying;
- Installation of geotechnical instrumentation;
- Pre- and post-conditions surveys;
- Submittals; and
- QC/QA activities.

6.4.1.1 XRF Delineation of Soil with Mercury Greater Than 620 mg/kg Excavation Areas

An X-ray fluorescence (XRF) field investigation was conducted to further delineate and refine the excavation limits for the greater than 620 mg/kg soil located in the undeveloped portion of the Site. The investigation program was conducted between February 25, 2009 and March 11, 2009. This program was described in Section 4.1.3 of the Undeveloped Area RAW. Soil samples which produced XRF readings below 500 mg/kg were considered to contain less than 620 mg/kg of mercury based on the approved technical memorandum on XRF correlation, dated July 13, 2007. The technical memorandum was submitted as an attachment to the Undeveloped Area RAW (submitted to NJDEP 5/16/08). The results of the XRF screening of the "pre"-post remediation samples obtained during this investigation have been included in summary **Tables 3-3 through 3-13** along with the corresponding depth interval sampled.

During excavation of Area C, screening of soils with mercury concentrations greater than 620 mg/kg was also performed using the field XRF methodology to determine the final limits of excavation. Post remediation sample results in Area C are presented in **Table 3-4**. Sample locations are provided on **Figure 7**.

6.4.1.2 Utility Clearance

Prior to starting the undeveloped area XRF field investigation Parsons contacted New Jersey One-Call to mark-out any utilities that may be located within the areas where excavation and other Site disturbance would be occurring. One-call was contacted again by SES prior to excavation work within the undeveloped area and developed areas. No utilities were identified in the undeveloped area with the exception of the overhead power lines installed by Parsons to supply electric to the CWTP and PAMS. These lines were flagged with high visibility tape. For excavations in the developed area, a number of existing utilities were identified and mark-out on the ground surface including gas, water, sanitary, storm sewers, overhead electrical, and telephone, Refer to Section 6.1 for further detailed discussion of temporary utility relocation during construction.

6.4.1.3 Surveying

Prior to the excavation of soil with mercury concentrations greater than 620 mg/kg, Parsons supplied KSS with the necessary survey data to stake out excavation corner points delineating each excavation subarea. Existing topographic information was recorded at each point to aid in the verification of reaching target depth of excavation and the calculation of as-built quantities. Points were staked, flagged, and labeled with corresponding point numbers (e.g., P-SB-E70).

6.4.1.4 Geotechnical Instrumentation

Geotechnical instrumentation was installed prior to the start of excavations. Instrumentation was installed on existing buildings, structures, and railroad tracks to monitoring vibrations and and settlements. See Section 5.3 of this report for a detail description of additional information.

6.4.1.5 Pre-Condition Survey

Prior to the start of excavation, Parsons performed a pre-condition survey of the Wolf and US Life (east side only) Warehouses, Norfolk Southern railroad spur, railroad bridge and tide gate. The surveys consisted of picture documentation and visual inspections. Critical components of the adjacent structures and railroad siding were also surveyed for location and elevation to monitor for movement as part of the pre and post condition survey program. Additional information regarding pre- condition survey activities are presented in Section 5.2 of this report.

6.4.1.6 Submittals

Backfill Materials

Backfill materials utilized as backfill for excavation of soil with mercury concentrations >620 mg/kg consisted of DGA, common fill, NJDOT I-3 stone aggregate, NJDOT I-4 stone aggregate and 3/4" inch washed stone. Analytical and index property testing results for offsite materials were submitted prior to delivery to the Site. Index property testing results were then provided at the frequencies required in Appendix L of the Undeveloped Area RAW and Appendix H of the Developed Area RAW. Analytical testing results for excavation backfill materials are summarized in **Table 6-5.** Summaries of the testing results for DGA, common fill, I-3 stone aggregate, I-4 stone aggregate and 3/4" inch washed stone are provided in **Table 6-6**. Backfill submittals are presented in **Appendix E**.

Temporary Sheet Piles

SES utilized new and previously driven steel sheet piles which were in "like-new" condition for construction of the temporary excavation support system. Sheet piles sections utilized were AZ-13 size or larger. The majority of the sheets arrived at the Site as pre-welded pairs, however, single sheet piles and welded corners were delivered as well. SES submitted typical section properties for used and new sheet piles to be used onsite to Parsons for review and approval prior to their delivery. Temporary sheet pile submittals are presented in **Appendix E**.

Joint Sealant

SES submitted material cut sheet, MSDS, and lot information for the epoxy coating and joint sealant to Parsons for review prior to use. Joint sealant product information submittals are presented in **Appendix E**.

Pile Driving Hammer

SES utilized several different vibratory, sheet pile driving hammers to drive temporary sheet piles around the perimeter of both the developed and undeveloped area excavations. Equipment specifications for each of the different pile driving hammers utilized at the Site were submitted to Parsons for review prior to their mobilization. Information provided on the submittals included equipment manufacturer, model number, rated energy, and operational frequency. Pile driving hammer product information submittals are presented in **Appendix E**.

Survey

SES provided survey as-built submittals on behalf of KSS. Excavation as-built drawings typically depicted spot elevations recorded at the bottom of each excavation subarea. Spot elevations were also provided to document the horizontal and vertical extents of elemental mercury encountered during excavation. As-built drawings were also provided to document temporary sheet pile installation and excavation backfill elevations.

6.4.1.7 Quality Control Activities

SES inspected temporary sheet pile materials delivered to the Site. Damaged sheeting was repaired onsite prior to use or set aside for disposal as solid waste.

SES excavated a small test pit in Area I of the undeveloped area to observe the depth to ground water and obtain a representative volume of the ground water for CWTP treatment prior to commencement of large scale excavation operations. Ground water was pumped to the CWTP, treated, allowed to recharge, and pumped again. The purpose of this test treatment of the ground water was to demonstrate to the NJDEP the capability of treating construction water to the effluent discharge limits. The test pit was backfilled with the excavation material after the test to prevent a potential hazard.

6.4.1.8 Quality Assurance Activities

Parsons performed QA of the excavation layout by verifying the northing, easting, and elevation coordinates contained in the surveyor's instrument and location of stakes in the field with the information provided on the construction drawings. Borbas performed quality assurance surveying duties including excavation survey and construction as-built verification.

The primary source for excavation backfill was common fill from Tilcon's Mount Hope Quarry in Wharton, New Jersey. Parsons performed an inspection of the source to confirm that the material was indeed taken from a virgin

Parsons inspected sheet piles delivered to the Site for conformance with submittals and project specifications. Each sheet was inspected for defects such as holes or damaged interlocks prior to driving by both SES and Parsons.

6.4.2 Construction Activities

6.4.2.1 Temporary Excavation Support System

Excavations greater than four feet in depth, with the exception of Area F-7 (sloped sidewalls), were supported by temporary steel sheet pile walls. The key advantages of a sealed, steel sheet pile excavation support system were: minimized dewatering, stable excavation sidewalls,

reduced excavation volumes (due to sloping or slough), minimal impact to adjacent structures, and safe work area within excavations.

The temporary sheet pile support systems were designed by SES' engineering subcontractor, Glynn Geotechnical Engineering (Glynn), and constructed in accordance with applicable OSHA standards. A detailed design of the excavation support system for each excavation area was submitted for approval by Parsons prior to sheet pile driving activities. The temporary excavation support designs for excavation area (i.e. Area D, E, F, etc.) are provided in **Appendix E**. The temporary excavation support systems were inspected daily by SES's competent person and Parsons field staff in accordance with OSHA requirements to ensure the safety of the excavation.

6.4.2.2 Temporary Sheet Pile Driving and Extraction

Construction of the temporary sheet pile excavation support systems was performed using vibratory sheet pile driving techniques. The installation/extraction of temporary sheet piles began in Area F of the undeveloped area and was completed in Area D of the developed area. Parsons contacted officials at Teterboro airport daily, prior to operating equipment at a height of greater than 93 feet above ground level and after lowering the equipment as required by the FAA permit. A copy of the FAA permit is maintained in the project files and is available for review upon request.

SES predrilled the perimeter of Area D using a 24" diameter auger mounted to the Mobilram at six foot on center spacing. The pre-drilling was performed to identify potential obstructions and minimize vibrations. Obstructions encountered during pre-drilling were removed with an excavator, when possible, or broken up in place using an excavator mounted hammer. Soils generated during pre-drilling and removal of obstructions were handled and disposed of in the same manner as soil with mercury concentrations greater than 620 mg/kg. Concrete and other large obstructions removed during pre-drilling were transported to the asphalt pad, power washed, broken up into 1-ft by 1-ft (approximate) pieces and reused as subgrade backfill beneath the undeveloped area cap. Pre-drilled holes were backfilled with clean sand.

Due to the nature of the soils underlying the Site and the depth of certain excavation cells, Glynn incorporated additional components to reinforce the excavation support design and measures to mitigate excessive deflections or failure of temporary shoring. Measures utilized for the undeveloped area included the installation of an internal sheeting wall around the northern and western perimeter of Area H-9 (sheet piles driven within the perimeter wall), a well point dewatering system on the outboard side of Areas H-9 and H-12 to relieve hydrostatic pressures exerted by the DSH Ditch, and the implementation of sequential excavation and backfilling in Area H-9. Ground water extracted by the well point dewatering system was considered to be contact water and pumped to the CWTP.

Sheet pile driving typically proceeded in a clockwise direction around the excavation areas. Deneef Swellseal WA joint sealant was applied to the female interlock of each sheet pile as a hydrophilic seal using a caulking gun in accordance with DeNeef's "wet cure" method of sheet pile joint sealant application prior to driving. Tops of driven sheets protruded above ground

surface a minimum of one foot to minimize surface water infiltration. Piles remained in place until excavations were backfilled. Extracted sheet piles were decontaminated with pressure washers on the asphalt pad, and either reused or demobilized from the Site.

6.4.2.3 Mercury >620 mg/kg Soil Excavation

Excavation of soil with mercury concentrations greater than 620 mg/kg from the Site began in Area E of the undeveloped area on March 26, 2009 and was completed in Area D of the developed area on August 2, 2010. Approximately 55,635 cubic yards of >620 mg/kg soil was excavated. The as-built limits of excavation are presented on **Figures 7 through 11**.

Excavation typically began following the completion of sheet pile driving. Overburden material (soil with mercury concentrations less than 620 mg/kg) located within an excavation area was normally removed prior to large scale excavation to avoid possible cross contamination. Following the completion and staging of overburden soils for re-use as excavation backfill, SES continued on to the excavation of >620 mg/kg soils. Temporary haul roads were constructed as necessary to facilitate the transportation of excavated material from the excavation area to the soil stockpile pad. Excavations typically extended below the ground water table. SES maintained a "dry" excavation bottom throughout excavation operations by dewatering sump pits in the deepest excavations and dewatering well points prior to and during excavation. For notes on excavation dewatering see Section 6.5.7 of this report.

Soil with mercury concentrations greater than 620 mg/kg removed from excavations were loaded directly to articulated dump trucks and transported to the soil stockpile pad for screening operations and/or offsite disposal. A long reach excavator was utilized in areas where the bottom of the excavation was not able to be safely reached with a normal reach excavator or where ground was too soft to provide a stable working platform. In situations where the tires of the dump truck would be restricted to clean areas only, poly sheeting was placed beneath the swing of the excavator and truck loading area. An SES laborer was present to sweep or shovel any >620 mg/kg soils off of the poly and back into the excavation to prevent contaminating the truck tires or clean haul roads. Excavation to design bottom of an excavation cell was typically prior to proceeding to an adjoining excavation cell. Excavation was performed in a manner which allowed both the complete removal of soil with mercury concentrations greater than 620 mg/kg from the excavation areas as well providing the excavation crew with safe ingress and egress out of the excavation. SES conducted worker health and safety air monitoring as required by the Site specific HASP during all intrusive activities.

6.4.2.4 Elemental Mercury Excavations

During the PDI, elemental mercury was observed in excavation areas D, H and I. The delineation of these areas was presented in Undeveloped and Developed Area RAWs. Elemental mercury areas, as a minimum, were excavated to the limits established on the drawings or until elemental mercury was no longer visible in material below the design bottom of excavation.

Elemental mercury was also observed within excavation areas which had not been previously delineated. In these cases, excavation extended a minimum of 6 inches below the level where the mercury was last observed. Health and safety officers (HSO) of SES and Parsons were present during the excavation to continuously monitor mercury vapor in the worker breathing zone. PPE was upgraded from modified Level D to Level C when deemed necessary by the HSO.

Soil excavated from the elemental mercury delineated or observed areas were hauled and stockpiled on the asphalt soil stockpile pad separate from >620 mg/kg soils. This material was not screened as described below. Elemental mercury soils were loaded to EPIC intermodals and shipped to the Stablex disposal facility using placarding indicating that the contents of the intermodal container were classified as a mercury characteristic hazardous waste separate from >620 mg/kg soils.

Elemental mercury excavations were given a thorough visual inspection by both Parsons and SES personnel. The vertical and horizontal limits of the elemental mercury excavations were surveyed by KSS.

6.4.2.5 Underground Storage Tank Removal

During the excavation and removal of soil from excavation Area D-5, a steel underground storage tank (UST) was encountered several feet below the ground surface. The UST was filled with water which was removed and pumped to the CWTP as contact water. The water within the tank exhibited a slight sheen and a diesel fuel like odor. Removal was performed under the observation of a Parsons representative certified by the NJDEP for UST closure and subsurface evaluation.. The UST was cylindrical in shape and measured approximately 3.8 feet (46 inches) in diameter and 20 feet in length. Based on visual inspection, the tank appeared to be in fair condition with a number of small holes noted along the bottom. No residual product was observed at the bottom of the UST. The UST was removed, hauled to the secondary stockpile area, cleaned inside and out with pressure washers, and cut into smaller sections for disposal as solid waste.

Soil samples were subsequently collected from the bottom of the tank excavation at uniformly spaced interval along the tank centerline. A total of eight samples were analyzed for Total Petroleum Hydrocarbon (TPH) and 2 methyl naphthalene. The samples analyzed indicated a maximum TPH content of 370 mg/kg which indicated no further laboratory analyses or soil removal was required. A location sketch of the UST with the sample locations and a summary of the analytical laboratory data are provided in **Appendix G**.

6.4.2.6 Mercury >620 mg/kg in Soil Excavation Screening

Fill material removed from the >620 mg/kg excavation areas and transported to the soil stockpile pad for screening of debris and stones greater than 2-inches in diameter. Screening operations were performed during excavation from Areas DL-1, DL-2, E, F, G, H, and I only.

Approximately 30,862 cubic yards of >620 mg/kg soil was screened. Screened debris greater than 2-inches in diameter was stockpiled on the pad for reuse as excavation backfill and undeveloped area cap subgrade fill. Material passing through the screen was stockpiled on the pad for loadout as >620 mg/kg soil.

6.4.2.7 Excavation Backfill and Compaction

Backfill of >620 mg/kg excavation areas took place following survey confirmation that design bottom of excavation elevation had been achieved. Excavations where backfilled using one or more of the following alternatives: great than 2-inch screened material; material excavated from the 55-foot buffer; West Ditch; and Lin Mor property; or certified clean offsite fill. The reuse of materials generated onsite was performed in accordance with Section 8 of the Undeveloped Area RAW.

Excavation Areas DL-1, DL-2, E, F, G, H, and the portion of Area I outside the limit of the developed area cap, were backfilled with onsite reuse material to within four feet of final undeveloped area cap grades. Onsite backfill material was placed in approximate two foot lifts and compacted via tracking with a bulldozer and/or excavator.

Offsite backfill placed in the undeveloped area >620 mg/kg excavation areas predominantly consists of common fill, however, DGA backfill was utilized in the un-sheeted Area E/F excavation areas to extend the pre-existing Site access road. Offsite backfill in the undeveloped area was placed in 2ft lifts and compacted with a 10 ton vibratory roller. In-place density testing was not required for offsite fill beneath the undeveloped area cap.

Area D and the portion of Area I below the developed area cap were backfilled from bottom of excavation to cap subgrade with I-3 stone; the exception being the bottom of excavation Area D-4 which was backfilled with one, 2-ft lift of ¾ inch washed stone. No onsite reuse material was placed beneath the developed area cap. I-3 backfill was placed in 2ft compacted lifts to within 4ft of the developed area cap subgrade. Within 4ft of the developed area cap, backfill was placed in 1-ft compacted lifts. The lower three lifts were being I-3 stone compacted to 92% of the maximum dry density reported by QC testing. The final lift was backfilled in two, 6 inch lifts of I-4 stone. I-4 stone was compacted to a minimum of 95% of the maximum dry density.

6.4.2.8 Disposal of Mercury >620 mg/kg in Soil

A total of 2,982 intermodal containers exported approximately 72,615.2 tons of >620 mg/kg impacted soil from the Site. Each intermodal container arrived with a pre-assigned number, designated by the transportation company (e.g. EPIU222353), which aided in the tracking of each intermodal entering and exiting the Site. SES typically loaded intermodals from the asphalt stockpile pads. Loading was performed over a poly covered section of the asphalt pad or haul road. The intermodal loading area and containers were kept free of soil during load out to prevent >620 mg/kg soil from coming in contact with the wheels of the trailer or truck. Material within the container was covered with the inner lining system and exterior cover prior to exiting

the Site. The containers were transported by truck on local highways, to a rail road station located in Newark, New Jersey for transport to Stablex Canada of Blainville, Quebec, Canada.

Disposal manifests for >620 mg/kg soils are maintained in the project files and are available for review upon request. Pertinent intermodal loadout information is summarized in **Table 6-7**.

6.4.2.9 Historical Drain Pipe Removal

A historical drain line pipe was encountered during the removal of the pre existing concrete curbing along the northern edge of Ethel Boulevard and Area D. The top of pipe was encountered at an approximate elevation of +3.5. The pipe was observed to be a 24-inch diameter clay and in poor condition. From visual inspection, it appeared to be more than three fourths full of primarily brown sediments, debris and some granulated yellow material. Elevated mercury vapor emissions were detected after exposing the pipe by worker health and safety air monitoring equipment and PAMS-01. Restoration work was temporarily stopped in this area to permit Parsons to review historical drawings of the former processing plant and to develop a plan for delineating the extent of the pipe.

Pipe Delineation

Parsons determined locations for test pit excavation based on the review of historic plant drawings and the results of mercury testing of soil samples in the area to define the length of the pipe remaining below the ground surface. SES excavated a total of five test pits, along the historic alignment. The test pits were excavated on the Norfolk Southern railroad property line adjacent to Ethel Boulevard. The pipe was encountered in one of the four test pits and not encountered within the eastern or western most test pits. Based on the location of pipe encountered within the test pits and historic information, it was concluded that sections of the mercury impacted pipe may have been removed during prior redevelopments (i.e. construction of Ethel Boulevard) of the developed area following the closure of the former processing facility.

Pipe Excavation and Removal

SES excavated an approximately 100-foot long by 10-foot wide trench between the eastern and westernmost test pits. Excavation of the trench typically extended to elevation +1.0 or to a minimum of 6-inches below the observed bottom of pipe or pipe contents. Approximately 75 linear feet of drain line piping was encountered within the trench and removed. Due to the brittle nature of the pipe, removal of the pipe in an intact state was typically not possible. Broken reinforced concrete pipe sections were encountered, intermittently, and removed along the same alignment. Water within the trench was considered contact water and pumped to the CWTP.

Subsurface piping within the trench was removed. Pipe, pipe contents, and trench soils were directly loaded to dump trucks and stockpiled on the asphalt storage pad for disposal at Stablex. Following completion of pipe removal, the excavation was backfilled with I-4 stone. The trench was backfilled in 12-inch lifts and compacted using both a plate tamper and 10 ton vibratory roller. The location of the historic drain pipe encountered north of Area D is presented in **Figure 7**.

6.4.2.10 Quality Control Activities

Temporary Sheet Pile Driving

For QC purposes SES' field foreman recorded sheet type, length, equipment, drive time, verticality, and delays encountered on a daily sheet pile driving log which was submitted to Parsons. The verticality of temporary sheeting was checked frequently during driving with a 4-ft level. A KSS surveyor was present during sheet pile driving operations to stake out corner points, measure elevations of sheet pile for verification of toe depth, and to record data for as-built documentation. Corner points of installed sheet piles were required to be installed within 0.5 feet (outside the limits of the excavation area) of the corner point location provided on the design drawings. KSS surveyed installed sheet piles and prepared an as built survey drawing which depicted the completed alignment and top of sheet elevations. SES provided Parsons with the as-built survey drawing and driving log prior to excavation of >620 mg/kg soils. Where deficiencies were noted in review, Parsons instructed SES on the corrective action.

Mercury >620 mg/kg Excavation

The primary component of SES' quality control duties during the excavation of >620 mg/kg soil was the confirmation of excavation completion to the specified minimum elevations. KSS was present during excavation activities to confirm (via survey) both the horizontal and vertical extent of the excavation. SES provided Parsons with a daily summary of excavation activity which presented approximate volumes of excavation, screening, and overburden. Excavation summary tables presenting surveyed volumes of excavation were provided with as-built drawings following the completion of an excavation sub-area. As-built survey of each excavation cell and the excavation summary tables are presented in **Appendix E**.

KSS surveyed the limits of elemental mercury delineated on the project drawings prior to excavation to clearly define its location. Where encountered in an area not previously delineated, the extents were surveyed based on Parsons visual inspection of the excavation area. KSS provided Parsons with as-built survey documentation which depicted horizontal and vertical extents. KSS elemental mercury as-built excavation drawings are presented in **Appendix E**.

Loadout of >620 mg/kg Soil

Upon arrival, SES uncovered and inspected each empty intermodal to ensure the integrity of the inner lining and exterior cover, structural integrity of the container, and for signs of leaks or damage. The inspections were logged by SES on a preformatted inspection sheet which was included as an attachment to the Daily Field Reports. Intermodals which did not meet the requirements of SES' inspection checklist were rejected and not utilized for loadout until the deficiencies were corrected.

Excavation Backfill

Sor was onsite during backfilling and compaction operations during developed area construction. In place density of I-3 and I-4 stone backfill was tested at a frequency of 1 test per 1000 square feet using a Troxler density gauge. The results of developed area excavation backfill compaction testing are summarized in **Table 5-6**.

SES collected QC samples of common fill, DGA, I-3 stone, I-4 stone, and ¾ inch washed stone at a frequency of 1 per 1000 cubic yards for index property testing. Testing was performed as indicated by Appendix L and H of the Undeveloped and Developed Area RAW. Samples collected during the undeveloped area construction phase were tested offsite by Materials Testing Inc., developed area testing was performed by Sor.

SES' civil testing laboratory, Sor, was onsite during backfill and compaction operations with a Troxler density gauge to confirm that developed area excavation backfill was compacted to greater than 92% of the dry density as determined by ASTM D1557.

6.4.2.11 Quality Assurance Activities

Temporary Sheet Pile Driving

For QA of sheet pile installation, Borbas surveyed driven sheet piles to confirm the location of the sheet pile alignment and to verify toe depth. Borbas QA drawings are presented as **Appendix H.** Parsons oversaw construction of the temporary sheet pile walls which included inspection of the condition of sheet piles prior to driving and application of the DeNeef joint sealant. Parsons also inspected the interlocks of sheet piles during excavation for leaks. Parsons directed SES to repair leaks to minimize the volume of construction water requiring treatment.

Mercury >620 mg/kg Excavation

Parsons QA duties related to the excavation of >620 mg/kg soil included daily inspection of excavation operations, field confirmation of excavation completion, review of KSS excavation survey as built submittals, and the inspection of excavations for the presence of elemental mercury or possible source material (i.e thermometers, switches, etc.). Additionally, Borbas performed QA survey of excavations to verify that design bottom elevations were achieved concurrent with KSS survey as built submittals. Excavation QA survey drawings for each excavation area are presented as **Appendix H**.

Historical Pipe Removal

Parsons inspected the historical piping for evidence of elemental mercury or mercury contamination both visually and with a Jerome mercury vapor meter. Photos of the drain line piping and its contents were taken for documentation and are provided in **Appendix C**.

Excavation Backfill

Parsons was present during >620 mg/kg excavation backfill operations to perform inspections of both onsite and offsite material. QA samples of offsite materials were collected shortly after delivery to the Site and at a frequency of 1 per 10,000 cubic yards thereafter. A summary of the QA/QC testing results for offsite backfill are summarized in **Table 6-5 and 6-6**.

Parsons performed daily inspections of screening operations. Screened oversize backfill was inspected to be significantly free of soil prior to reuse in the excavations. SES was directed by Parsons to rescreen oversize material if excess soil was observed in the screened oversize pile or if there was excess soil adhered to the > 2-inch material. Stockpiles of screened oversize and screened soil for load out were continually inspected for the presence of elemental mercury. No elemental mercury was observed in screened material.

Compaction of onsite and offsite backfill materials was visually inspected throughout construction. In place density results were verified with the onsite representative of Sor during compaction.

Load Out of >620 mg/kg Soil

Parsons responsibility in the disposal of >620 mg/kg soils involved the inspection of load out operations, signing of US and Canadian transportation manifests on behalf of Rohm and Haas, composite sampling of the >620 mg/kg material loaded out for disposal, as well as the preparation and submission of the Annual Report for the Export of Hazardous Waste (40 CFR 262.56). Composite samples were collected daily, on behalf of Stablex, during loadout to characterize the material in the intermodals prior to their arrival for treatment and disposal at the Stablex facility.

6.4.3 Post-Construction Activities

Following completion of the backfilling and temporary sheet pile extraction for the >620 mg/kg excavation areas, KSS performed a subgrade as-built elevation survey of the cap subgrade elevations for the Developed and Undeveloped Area caps. These as-built surveys were provided to Parsons for review and confirmation of the design subgrade elevations. Upon confirmation of the design subgrade elevations, SES proceeded with the application of hydroseed as a temporary stabilization measure prior to cap construction.

Following the completion of backfilling and compaction activities at the Site, the post-condition surveys were conducted to assess whether any movement, settlement or damage had occurred subsequent to the precondition survey and if repairs would be necessary. Additional information regarding pre- condition survey activities are presented in Section 5.2 of this report.

6.5 Former Drain Line Removal

This section presents the activities associated with the removal of the former drain line in the undeveloped area. The drain line was removed in accordance with Section 4.2 of the Undeveloped Area RAW. The removal activities were mainly conducted during the undeveloped area construction phase, specifically during the excavation of Area I and Area E/F.

The work was completed during the developed area construction phase when the access road and utility poles to the CWTP were removed during demobilization activities. Details regarding typical crew, equipment, and construction rates were documented in the daily field reports which are presented in **Appendix B**.

6.5.1 Pre-Construction Activities

6.5.1.1 Utility Clearance

Prior to commencing excavations associated with the removal of the former drain line SES contacted New Jersey One Call to mark out utilities. No utilities were identified in the area of the former drain line work.

6.5.2 Construction Activities

6.5.2.1 Former Drain Line Excavation and Removal

Excavation of the former drain line within the undeveloped area began during the excavation of >620 mg/kg mercury soils in Area E-14 where the drain line pipe was encountered during excavation operations. The drain line pipe was typically found to consist of a circular 36-inch diameter reinforced concrete pipe in 3-foot long sections. However, some sections removed from Area I along the same alignment were elliptically shaped measuring 48-inches in width with approximately 8-foot long sections. The drain line pipe appeared to start at a concrete manhole structure in Area I-13 and continuing eastward, across Area E before terminating outside of Area E-13 in the 55-foot buffer. No pipe was encountered in an approximately 50 foot section where a pre existing onsite basin was located within the limits of excavation Area I-18 and I-20. As built excavation bottom of I-18 and I-20 extended below the bottom of the pre existing basin as well as the last recorded top of pipe elevations to the east and west. See **Appendix B** for specific details regarding undeveloped area drain line pipe removal.

SES's excavation crew removed individual pipe sections and loaded them into an articulated dump truck for transportation to the asphalt stockpile pad. For pipe sections located outside of the limits of a >620 mg/kg excavation area, SES typically over excavated a depth of 6 to 12 inches below the pipe to remove any bedding materials. The pipe sections typically contained a black, wet, soil and organic material. Parsons collected three samples of the drain line pipe contents for analytical testing of total mercury (EPA Method SW846 7471A). Analytical testing confirmed that the material within the pipes contained mercury exceeding 620 mg/kg in soil. Results of analytical testing are summarized in **Table 6-8.** The material within the pipe sections were loaded out as >620 mg/kg soil. Water within the pipe sections was considered contact water and pumped to the CWTP for treatment. Pipe sections transported to the asphalt pad were power washed, crushed, and reused as backfill in excavation Areas E (outside the 55-foot buffer) and I.

Approximately 700 linear feet of the former drain line pipe were removed from the undeveloped area. Elemental mercury was not visually observed during drain line pipe inspections. Pipe bedding material was observed only in excavation Area I-18. The bedding material was observed to be a 1-½ to 2 inch, uniformly graded stone, with the thickness of the stone bedding layer varying from one to two feet. Approximately 53 cubic yards of bedding material was removed below the drain line pipe. No elemental mercury was observed in the pipe bedding, and the material was loaded out with >620 mg/kg soils. The location of the Undeveloped Area drain line pipe is presented in **Figure 12.** SES submitted drain line pipe survey data to Parsons for documentation of the former location of the pipe. Survey information was provided in the form of as built removal drawings and raw survey data (northing, easting, elevation, description). The drain line pipe bedding excavation as built documentation is presented in **Appendix E**.

6.5.2.2 Quality Control Activities

During the course of the pipe removal work, KSS provided as-built survey of the pipe excavation alignment and bottom elevations. The pipe excavation was backfilled and compacted according to the same procedures used to backfill the >620 mg/kg soil excavations.

6.5.2.3 Quality Assurance Activities

During the excavation process, the drain line piping was carefully uncovered by the SES excavation crew to allow access for inspection by Parsons QA inspectors and survey of the top of pipe location by KSS. Parsons inspected the drain line piping for evidence of elemental mercury or mercury contamination both visually and with a Jerome mercury vapor meter. Photos of the drain line piping and its contents were taken for documentation by Parsons and are provided in **Appendix C**.

6.5.3 Post-Construction Activities

Once backfilled, the former drain line alignment was overlain with the soil cap.

6.6 55-Foot Buffer Excavation and Restoration

Excavation and restoration of the 55-foot buffer was completed pursuant to the requirements of the ROD and in accordance with Section 4.4 of the Undeveloped Area RAW. The excavation, backfilling, and restoration work was performed over the course of the undeveloped and developed area construction phases. Excavation and backfilling of the 55-foot buffer adjacent to Berry's Creek and the Diamond Shamrock/Henkel Ditch (north) occurred during the undeveloped area construction phase between June 24, 2009 and October 30, 2009. Excavation and backfilling of the 55-foot buffer adjacent to the West Ditch, as well as final planting activities throughout the entire 55-foot buffer occurred during the developed area construction phase May 10, 2010 and November 30, 2010. Details regarding typical crew, equipment, and

construction rates were documented in the daily field reports which are presented in **Appendix B**.

6.6.1 Pre-Construction Activities

6.6.1.1 Utility Clearance

Prior to starting excavation SES contracted New Jersey One-Call to mark-up any utilities that may be in the 55-foot buffer. No utilities were identified in this area.

6.6.1.2 Erosion and Sediment Controls

Erosion and sedimentation controls were installed as required by the Site specific SWP3. Three types of erosion and sedimentation controls were installed to minimize migration of sediments generated during the construction activities. Conventional, wood staked, silt fence was installed along the inland perimeter of the 55-foot buffer; reinforced "super" silt fence was installed along the mean high tide elevation +3.4 MSL; and floating turbidity barriers were installed at the locations depicted in **Figure 4**. Additional details regarding Site erosion and sedimentation controls implemented throughout the project are discussed in Section 5.

6.6.1.3 Surveying

The location of elevation +3.4 MSL and the 55-foot buffer offset were located by KSS prior to the start of excavation during the undeveloped and developed area construction. KSS also surveyed the existing conditions to establish grades to determine the minimum bottom elevations of the excavations.

6.6.1.4 Material Submittals

Backfill Material

SES submitted material testing results and survey data to Parsons during placement of backfill. Survey submittals consisted of cross-sectional, profile drawings of the 55-foot buffer in 100-foot transects which illustrated as-built excavation, backfill, and topsoil grades. Profile drawings were submitted prior to the placement of the final vegetative cover. SES submitted material testing results at the required QC frequency. A summary of the testing results for common fill, clean sand, and topsoil is provided in **Tables 6-6, 6-9, and 6-10** respectively. Backfill submittals are presented in **Appendix E**.

Seeding and Plantings

SES submitted species mix proportions and lot numbers for all seed intended for use as either temporary or permanent stabilization. Planting submittals consisted of a detailed schedule from SES' landscaping subcontractor that summarized plant species, size, quantity, planting location, and nursery source. Contact information and address of nursery sources were provided with the planting submittal.

6.6.2 Construction Activities

6.6.2.1 Excavation

SES began excavation of the 55-foot buffer in the southwest corner of the undeveloped area, specifically where the West Ditch intersects the Diamond Shamrock Henkel Ditch (north). Excavation generally progressed in a counter clockwise direction until reaching the northeastern corner of the undeveloped area. The area adjacent to the West Ditch was excavated and restored in sequence with the West Ditch improvements during the developed area construction phase.

SES excavated soils to a minimum depth of four feet below the existing ground surface. Some excavations were greater to achieve the desired final grades. Excavated soil was directly loaded to articulated dump trucks and used as backfill in the undeveloped area excavation areas; stockpiled for use as grading fill beneath the undeveloped area cap in accordance with the Undeveloped Area RAW. The exception to this was in excavations Areas E and H, which overlapped the 55-foot buffer, the material was sent to the stockpile pad for offsite disposal with other mercury impacted soils.

SES scheduled excavation activities in an effort to minimize work performed during high tide periods or in wet conditions to limit the amount of water in the excavation area. Water that accumulated within the excavation from the incoming tide or ground water seepage was allowed to pass out of the excavation, through sediment controls, into the adjacent waterways during low tide periods. Pumping of water from the excavation to the waterways bordering the Site or onto the Site, with the exception of the CWTP, was not permitted.

6.6.2.2 Backfilling

A minimum of four feet of certified clean backfill was placed in excavated areas. Backfilling typically progressed in a similar manner to the excavations in a counter-clockwise direction. Where the 55-foot buffer overlapped excavation Areas E and H, KSS staked out the extent of the 55-foot buffer inside Areas E and H. SES placed certified clean offsite backfill from the bottom of excavation to final grade in these areas. Backfill consisted of common fill from Tilcon's Mount Hope Quarry, clean sand from Amboy Aggregates, and topsoil from Cedar Hill Landscaping.

Common fill was the primary backfill material placed in the lower 3.5 feet of the excavation. In excavations with water within them, one to two feet of clean sand was utilized as backfill to help provide a firm subgrade for the subsequent placement of the overlying common fill. Backfill in the lower 3.5 feet was placed in approximate 2ft lifts and compacted with a 10 ton roller.

Topsoil was placed on the top six inches of the 55-foot buffer to support vegetative growth. Two different mixes of topsoil were placed, an upland mix and a wetlands mix, based on the wetlands delineation. KSS staked out the wetlands, effectively separating the 55-foot buffer into a wetland restoration zone and upland restoration zone. Topsoil was placed in a single six to

eight inch lift with a dozer. Laborers prepared the topsoil surface for seeding and applied fertilizer using a hand cyclone. Following completion of topsoil placement, slopes greater than 7H:1V were protected against erosion as well as tidal fluctuations with temporary erosion control blankets anchored with soil staples.

6.6.2.3 Restoration

Following completion of the backfilling, the 55-foot buffer was restored using native eco-type grasses, herbaceous, shrubs, and trees. Two different processed seed mixtures were planted in the wetland and upland restoration zones. Ernst seed mixture ERNMX-177, an Eastern Ecotype Native Grass Mix, was planted in the upland restoration zone and ERNMX-122, a wetland meadow seed mix, was planted in the wetland restoration zone. The permanent seeding in the 55-foot Buffer zone adjacent to Berry's Creek and the Diamond Shamrock/Henkel Ditch (north) was hand planted by SES between November 11, 2009 and November 18, 2009. Permanent seeding for the 55-ft buffer zone adjacent to the West Ditch was planted by SES on November 18, 2010.

SES subcontracted the planting of herbaceous, shrubs and trees Enviroscapes of Monmouth Junction, New Jersey. The vegetation was planted in both tubelings and No. 2 sized plant containers. **Figure 13** provides a permanent planting schedule and the delineation of the wetland and upland restoration zones. Enviroscapes was onsite to plant permanent vegetation in the 55-foot buffer zone on November 4 and 5, 2010. SES procured a hydroseeding subcontractor to stabilize the 55-foot buffer with annual ryegrass and binder following vegetation of the 55-foot buffer.

Slope grading modifications and the elimination of rip-rap erosion control requirements initially presented in Section 4.4 and Figure 11 of the Undeveloped Area RAW as part of the 55-foot buffer restoration are discussed in Section 9 of this report.

6.6.2.4 Quality Control Activities

SES collected samples of offsite backfill materials for analytical and index property testing from each source prior to their import to the Site. Source material testing was performed by SES in accordance with Appendix L of the Undeveloped Area RAW. Clean fill certifications and analytical testing data reports are presented in **Appendix E**. Analytical testing data is summarized, with the applicable NJDEP RDCSCC, in **Tables 6-5 and 6-11**.

During excavation and backfilling KSS surveyed the bottom of the excavations and final grades to verify that the desired elevations were achieved. The KSS survey data for the bottom elevations are presented in **Appendix E**.

SES collected samples of backfill material delivered to the Site for index testing at a frequency of 1 per 1,000 cubic yards. Samples were tested in accordance with Appendix L of the

Undeveloped Area RAW by Sor. A nutrient analysis was also performed on topsoil soil sampled at a frequency of 1 per 1,000 cubic yard. The results are presented in **Table 6-10**.

During placement of common fill, in place compaction testing was performed at each 100 foot station of the 55 foot buffer zone by Sor. The results of 55-foot buffer in place density testing are presented in **Table 5-6**.

6.6.2.5 Quality Assurance Activities

Parsons inspected the staked location of elevation +3.4 MSL and the 55-foot buffer limits. Parsons staff periodically inspected the condition of erosion and sedimentation controls to verify compliance with the SWP3. During excavations Parsons compared pre-excavation grades from the design drawings to bottom of excavation elevations provided by the KSS surveyor in the field to verify that minimum depth of excavation was achieved. Borbas also surveyed the bottom of the excavation for QA documentation. Bottom of excavation QA survey as-built drawings are presented in **Appendix H.**

Parsons verified the total thickness of the placed backfill based on survey information provided by KSS. When areas were identified as having less than the nominal four feet of fill, Parsons notified SES and additional backfill was placed, resurveyed and checked by Parsons. A QA survey of the final backfill grades was performed by Borbas and is presented in **Appendix H**.

Parsons collected samples of backfill materials delivered to the Site at a minimum frequency of one per source in accordance with Appendix L of the Undeveloped Area RAW. QA test reports for materials sampled are summarized in Tables 6-6, 6-9, and 6-10 and provided in **Appendix I**.

6.6.3 Post-Construction Activities

After completion of the seeding SES watered the area until vegetation was established. SES removed the super silt fencing installed in the locations depicted in **Figure 4** following stabilization of the undeveloped area cap and 55-foot buffer as directed by BCD. The silt fencing installed at the interface of the undeveloped area cap and 55-foot buffer remained and were maintained by Parsons until establishment of vegetative cover on the undeveloped area cap. Additionally, erosion control measures were removed prior to demobilization from the Site.

6.7 Vertical Hydraulic Barrier System

A vertical hydraulic barrier wall system (barrier wall) consisting of steel sheet pile with sealed interlocks was installed around the perimeter of the Wolf warehouse as described in the ROD and in accordance with Section 4.3 of the Developed Area RAW. The barrier wall installation was completed by SES during the Developed Area Construction phase between June 1, 2010 and August 16, 2010. Details regarding typical crew, equipment, and construction rates were documented in the daily field reports which are presented in **Appendix B**.

6.7.1 Pre-Construction

6.7.1.1 Utility Clearance

New Jersey One-Call service was contacted to identify the location of any subsurface utilities present around the perimeter of the Wolf Warehouse. Additionally, historically drawings and the geophysical survey from the PDI were reviewed. No other subsurface utilities were noted or encountered along the barrier wall alignment.

6.7.1.2 Additional Geotechnical Borings

Five additional soil borings were performed to obtain additional subsurface data to better define the depth to key material around the southwest corner (specifically between stations 11+00 and 1+00) of the barrier wall alignment. The supplemental subsurface exploration took place between February 18, 2010 and March 3, 2010. Parsons subcontracted the drilling operations to Environmental Probing Investigations, Inc. and SGS North America, Inc.

Soil samples were recovered continuously below the fill stratum using both mud rotary and geoprobe drilling techniques. Samples were collected until a minimum of 10 continuous feet of key material was recovered. Parsons provided oversight of drilling crews, created soil boring logs, classified soil samples (Burmeister), and screened samples for mercury vapor using real time air monitoring equipment. Borings depths ranged from 44 to 64 feet below ground surface. The boring logs are presented in **Appendix J**.

6.7.1.3 Joint Sealant, Epoxy Coating, and Delivery

SES subcontracted sheet pile preparation work to Dura-bond Coating LLC of Steelton, Pennsylvania to apply joint sealant and epoxy coating in a controlled offsite environment. Sheet piles were delivered in continuously welded pairs, pre-coated with coal tar epoxy, with a bead of joint sealant applied to the trailing unwelded interlock.

Sheet piles delivered to the Site were stored in staging areas. Care was taken when unloading to minimize damage to the epoxy coating. Joints with sealant applied were sealed with duct-tape and the sheet piles covered with poly to prevent contact with moisture.

6.7.1.4 Surveying

KSS laid out the vertical barrier wall alignment with survey instruments using the coordinates provided in Figure 7 of the Developed Area RAW. Stakes were placed at and between the corners of the alignment.

6.7.1.5 Material Submittals

SES submitted information and survey data for the components utilized in the construction of the barrier wall. Sheet pile submittals consisted of section properties and testing results from the manufacturer and certifications from the subcontractor applying the continuous weld. Coal tar epoxy submittals consisted of product data and coating inspection reports from the subcontractor applying the coating in the shop. Joint sealant product data and lot numbers were provided for the interlock joint sealant. Utility penetration sealant system submittals consisted of product information, shop drawings, manufacturer recommendations, and installation instructions. A surveyed as-built alignment of the barrier wall was provided following installation. Submittals for the ground water drainage and collection system consist of clean fill certification for the ¾ inch washed stone as well as product cut sheets, manufacturer information, and shop drawings for the non-woven geotextile, HDPE pipe, drainage tanks, and manhole. Barrier wall submittals are provided in **Appendix E**.

6.7.1.6 Quality Control Activities

SES inspected materials delivered to the Site and recorded quantities, lengths, and condition of delivered sheet piles. SES visually inspected the coal tar epoxy coating as well as the continuity and thickness of the interlock bead. Damage observed to the coal tar epoxy coating or interlock sealant was repaired onsite prior to installation by SES subcontractor, Durabond.

6.7.1.7 Quality Assurance Activities

Parsons inspected each sheet pile prior to installation. The inspection documented physical properties of each sheet pile, the integrity of the coal tar epoxy coating and the continuity and thickness of the interlock sealant bead. **Table 6-12** presents a summary of barrier wall sheet pile inspections and repairs. Lot numbers and expiration dates for the joint sealant and coal tar epoxy onsite were inspected and documented.

During inspections of the sheet piles prior to installation it was observed that the joint sealant in the majority of sheets was not installed per the manufacturer's recommendations. Several issues were noted including location of the bead, thickness of the bead, and continuity of the bead. SES developed a field procedure to correct the defective sheets with DeNeef Construction Chemicals, Inc. (the sealant manufacturer). These repair procedures were field tested using trial sheets in the area of the West Ditch Tide Gate. Visual inspections of the trial sheets confirmed the success of the repair procedures. The field repair procedures were documented in a letter from DeNeef on May 27, 2010 that is included in **Appendix K**.

Parsons also verified the corner and intermediate stake locations of the barrier wall alignment with the KSS surveyor.

6.7.2 Construction

6.7.2.1 Pre-Drilling

Pre-drilling of the barrier wall alignment was performed in order to identify potential subsurface obstructions and ease sheet pile driving through dense soils (and thus reducing construction vibrations). The alignment was pre-drilled on 6 foot centers south of the Wolf warehouse and 3 foot centers between the U.S. Life and Wolf Warehouses. The depths of the pre-drilling extended to the design depth of the sheet pile toe or a maximum of 35 feet below ground surface. The pre-drilling holes were backfilled with clean sand. Obstructions (typically concrete) encountered were removed using an excavator and excavator mounted breaker to minimize potential damage to sheet piles. Once removed, these obstructions were transported to the asphalt stockpile pad to be power washed and broken into 1 foot maximum diameter pieces for placement below the undeveloped area cap as subgrade fill. Spoils generated during pre-drilling along the south and west alignment of the barrier wall consisted of existing Site soils which were collected and transported to the asphalt stockpile pad for loadout as >620 mg/kg mercury impacted soil. The spoils generated during pre-drilling on the north and east sides consisted of excavation area D and I backfill. This material was collected and placed beneath the undeveloped area cap.

6.7.2.2 Sheet Pile Driving

Sheet piles were driven continuously to final toe elevation utilizing a high frequency variable moment vibratory sheet pile driving hammer. Upon confirmation of final toe depth, the installed pile was welded to the previous pile to prevent vertical movement caused by the installation of the next sheet pile.

Driving began at the southeast corner of the alignment (Sta. 9+40.98) and progressed clockwise, along the south side of the Wolf Warehouse. The continuity of driving was interrupted within 10 feet of the southwest corner at Sta, 0+00. Driving resumed approximately 10 feet to the north of the southwest corner and proceeded clockwise until being interrupted in the vicinity of Sta. 2+00. Sheet piles were then driven to complete the southwest corner. The final sheet driven to close this corner was installed with a bead of joint sealant installed on both the trailing and leading interlock. The additional sealant was added as a proactive measure to ensure adequate sealant within the previously installed interlock. The adjacent interlock sealant bead, which was not contained within an adjacent interlock during driving, may have been disturbed or partially pushed out by soil during installation below the ground surface. The additional sealant bead was added to ensure continuity of the interlock seal and address this condition if it occurred. Following closure of the southwest corner of the barrier wall, driving resumed in the vicinity of Sta. 2+00 and proceeded in a clockwise direction until reaching the starting point in the southeast corner. The final sheet was driven with a bead of interlock sealant applied to both the trailing and leading interlocks.

The as-built alignment of the vertical barrier wall is presented in **Figure 14**. A profile view of the vertical barrier wall, including as-built concrete grading and the approximate location of the key material based on soil boring information, is presented in **Figures 15 and 16**.

6.7.2.3 Utility Crossings

Utility penetrations were necessary through the barrier wall to provide services to the Wolf Warehouse. A hole was cut in the vertical barrier wall sheeting in order to accommodate a steel pipe sleeve slightly larger in diameter than the utility line. The pipe sleeve was then inserted through the opening and continuously welded to the barrier wall. The utility line was passed through the pipe sleeve, secured and sealed in place using the approved Link-Seal modular seal system. The constructed utility crossing was coated with coal tar epoxy to prevent corrosion. Utility crossing locations and details are shown on **Figures 14 and 17**, respectively.

6.7.2.4 Handling Hole Closure

Following the completion of sheet pile driving, handling holes at the top of each sheet pile were sealed. SES sealed the handling holes using oversized, neoprene gaskets and steel plates Gaskets and plates were secured using stainless steel hardware. Following the installation of handling hole closures, sheet pile tops were recoated with coal tar epoxy to repair damage to the shop applied coating caused by the jaws of the sheet pile hammer. See **Table 6-12** for the tracking log of handling hole closure and coating touch up which was maintained by Parsons. A photograph of the hole closures is shown in **Appendix C**.

6.7.2.5 Ground Water Drainage/Collection System

A ground water collection trench, consisting of perforated HDPE pipe and ¾ inch washed stone wrapped with non-woven geotextile, was installed against the inner face of the barrier wall. Collected ground water gravity drains to a pair of 2,500 gallon, precast, concrete storage tanks located at southeastern corner of the barrier wall alignment.

Ground water outside of the western alignment of the barrier wall drains to the south through a trench filled with ¾ inch stone wrapped in non-woven geotextile fabric. The outer trench was installed to provide a relief mechanism for ground water accumulating against the outside face of the barrier wall located in between the U.S Life and Wolf Warehouses. Water collected within the trench drains south to the stone lined swale and ultimately to the West Ditch. The as-built location of the ground water drainage/collection system is presented in **Figure 14**.

6.7.2.6 Quality Control Activities

SES maintained a driving log for each sheet pile. The information recorded consisted of the pile number, physical properties, drive time, notes, equipment, and final toe elevation. KSS surveyed the top elevation of each pile during driving to confirm final sheet pile toe depth prior to

welding. Utility crossing seals were tested by SES in the field for water tightness prior to backfilling. The SES driving logs are presented in **Appendix E**. The location of the ground water drainage/collection trench was surveyed by SES prior to placement of the overlying concrete cap subgrade. KSS documented the invert elevations of the perforated HDPE drainage pipe as well as the location of cleanouts for as-built purposes.

6.7.2.7 Quality Assurance Activities

Parsons inspected the condition of each sheet pile immediately prior to driving to ensure that the sheet was appropriate for use. Inspections looked for damage which may have occurred during handling, or if the sealant had been exposed to moisture, or otherwise was determined to be deficient. During driving, a driving log was maintained for QA purposes. The QA driving logs are provided in **Appendix L**. The integrity of the interlock sealant was closely observed during driving activities. Damage to the interlock sealant required that the sheet be extracted and repaired prior to reinstallation. Following sheet pile installation, the exposed tops were inspected for signs of damage. Borbas surveyed the top of barrier wall sheet pile for QA check of the KSS as built and sheet pile driving logs

6.7.3 Post-Construction

Following the completion of barrier wall driving and collection of as-built survey documentation, the trench exposing the tops of driven sheets and ground water drainage/collection trench was backfilled with I-4 stone by SES. Drainage stone was wrapped in geotextile fabric prior to placement of backfill. Backfill was compacted using vibratory plate compactors in order to provide a stable subgrade for the overlying reinforced concrete cap.

6.8 Capping

Site capping was performed in accordance with Section 4.4 of the Developed Area RAW. Developed area capping consisted of approximately 1.1 acres of reinforced concrete slab surrounding the Wolf Warehouse, and approximately 0.4 acres of asphalt to replace the section of Ethel Boulevard and the US Life Warehouse (Reddy Raw property) parking area removed during soil excavation activities. The undeveloped area cap is a 15.5 acre soil cap. The as-built subgrade of the undeveloped area cap is presented on **Figure 18**. The limits of the undeveloped and developed area capping systems are presented in **Figures 19 and 20**. The construction of the capping systems was completed by SES and their subcontractors, Forsa Construction L.L.C. and Tilcon, as well as Parsons' subcontractor Tracks Unlimited Inc. during the developed area construction phase. The work was performed between August 30, 2010 and November 24, 2010. Details regarding typical crew, equipment, and construction rates were documented in the daily field reports which are presented in **Appendix B**.

6.8.1 Pre-Construction

6.8.1.1 Existing Cap Inspections

During the PDI (performed between February 28, 2007 and August 24, 2007 and between October 17, 2007 and November 1, 2007) and periodically during the IRM Parsons visually inspected, and documented the condition of the existing developed area cap features (i.e. warehouse foundation slabs, pavement, railroad ballast). The findings of the developed area cap inspection are summarized in a memorandum which was presented as Appendix D of the Developed Area RAW.

6.8.1.2 Material Submittals

The various submittals required during construction of the undeveloped and developed area caps are described below. Construction submittals are presented in **Appendix E**.

Backfill Material

Backfill materials utilized during the construction of the undeveloped area cap consisted of DGA, 2 ½ inch nominal stone (NJDOT No.1 stone), a barrier/separation layer material ((clay/silt mixture), and topsoil. NJDOT I-4 stone aggregate was utilized as subgrade fill for the developed area cap. Analytical and index property testing results for offsite materials were submitted prior to delivery to the Site. Index property testing results were then provided at the frequencies required in Appendix H of the Developed Area RAW. Analytical testing results for soil cap construction materials are summarized in **Table 6-13.** A summary of index property testing results for DGA, I-4, topsoil barrier/separation, and No. 1 stone are provided in **Tables 6-6, 6-10**, and **6-14** respectively.

Seeding

SES submitted species mix proportions and lot numbers for seeding intended for use as either temporary or permanent stabilization on the undeveloped area cap.

Concrete

Concrete mix design, complete with admixture product data, was submitted prior to delivery by SES, on behalf of Forsa. Forsa prepared and submitted shop drawings depicting rebar sizing, spacing, quantity and constructability details. A concrete pour and construction joint schedule was prepared and submitted by Forsa. SES submitted the remaining miscellaneous product information required construction of the cap which included: expansion joint material, backer rod, road boxes, and concrete sealer on behalf of Forsa. Concrete mix design, shop drawings, and product information submittals are provided in **Appendix E**.

Throughout delivery of concrete to the Site, Sor performed field tests and collected cylinder samples for offsite testing at their laboratory. The results of field and laboratory testing were submitted on a preformatted laboratory report which covered all required testing requirements.

Asphalt
An asphalt mix design for base and surface asphalt courses was submitted by SES prior to paving work. Parsons was also provided with manufacturer's product data for the asphaltic tack coat.

6.8.1.3 Quality Control Activities

KSS surveyed the subgrade of the developed and undeveloped area caps prior to the placement of cap backfill materials, concrete, and asphalt.

6.8.1.4 Quality Control Activities

Parsons visited SES' source for undeveloped area cap barrier/separation fill to document the quality of the source and confirm that enough material was present to ensure no interruption in delivery of the material to the Site. Borbas performed a survey of the concrete cap subgrade to verify that design grades and thickness would be achieved.

6.8.2 Construction

6.8.2.1 Undeveloped Area Cap

SES prepared the cap subgrade with using combination of certified clean used for excavation area backfill and onsite reuse materials. Subgrade was graded as necessary to permit the placement of the minimum cap thickness while achieving final design elevation and contours while promoting positive drainage. The subgrade was compacted prior to placement of offsite fill. Two different cap systems were utilized. This modification from the Developed Area RAW is presented in Section 8 of this report. The cap types were constructed from bottom, up as follows:

Cap Type A
Cap Type A consists of three soil layers (from subgrade up):

- Minimum 12 inches biotic barrier layer consisting of 2 ½ inch clean stone with the uppermost 4 inches blended with DGA aggregate;
- Minimum 12 inches barrier/separation layer consisting of low permeability (1 x 10^{-5} cm/sec or less) silt and clay; and
- Minimum 6 inches topsoil.

Cap Type B
Cap Type B consists of two soil layers (from subgrade up):

- Minimum 15 inches barrier/separation layer consisting of low permeability (1 x 10^{-5} cm/sec or less) silt and clay; and
- Minimum 3 inches topsoil.

The extents of the soil capping systems are presented on **Figure 19.** The DGA portion of the cap type A biotic barrier layer was compacted over the No. 1 stone using a 10 ton vibratory smooth drum roller to fill voids in the larger stone with smaller aggregate. The barrier/separation material was compacted to no less than 90% of the max dry density as determined by the results of index property testing. Topsoil placement followed certification from KSS that the installation of the barrier/separation layer had achieved minimum thickness, elevation, and in place density requirements. The undeveloped area cap was stabilized with a pre-mixed blend of native grasses, applied by SES subcontractor, Hydroseed Pro, following completion of grading.

6.8.2.2 Undeveloped Area Storm Water Controls

The primary storm water control measures for the cap are the overall grades and vegetative cover. The constructed grades promote surface drainage to the adjacent water bodies and drainage swales and direct surface run-off away from the developed area. The cap generally slopes at a gradient of 1% which minimizes surface flow velocities and the potential for soil erosion.

A storm water diversion berm was constructed using the same materials as the cap, from east to west across the cap, to redirect flow away from the developed area and the northern property line. Surface water discharging at either end of the berm, flows over a small area of rip rap stone to minimize disturbance to Berry's Creek and the West Ditch. As-built location and construction details are presented on **Figure 19.**

6.8.2.3 Reinforced Concrete Cap

Construction of the concrete cap was subcontracted to Forsa Construction L.L.C., by SES. Construction began on August 9, 2010 and was completed on September 29, 2010. The subgrade of the cap consists of a minimum 6 inch thick layer of NJDOT I-4 stone aggregate compacted to 95% of the maximum dry density as determined by the results of QC index property testing. Miscellaneous cap penetrations (i.e. hydrants, bollards, road boxes for monitoring wells etc.) were set in place prior to the installation of formwork and reinforcement. Forsa installed expansion joint material and backer rods within the concrete pours along foundation walls and penetrations as necessary prior the scheduled concrete pour.

The thickness of the reinforced concrete slab is 8-inches thick to the west, north, and east of the Wolf Warehouse and 10-inches thick to the south in order to support the active railroad siding. Slab thickness was increased along the perimeter of the cap, above the vertical barrier wall, and the fence haunch east of the Wolf Warehouse. As built construction details for the reinforced concrete cap and railroad spur are provided in **Figures 21 through 23**. The concrete utilized for the cap was a 4500 psi normal strength pump mixture containing both water reducing and air entraining admixtures. The material arrived premixed, was poured utilizing a concrete pump truck and vibrated into place around reinforcement and penetrations prior to finishing. The slab was then soaked with water and covered with burlap for moisture retention. Concrete cured a minimum of two days prior to stripping forms. Concrete placement was completed over the

course of a month, in fifteen sections. Twenty-one days following the last pour, a penetrating concrete sealant, Barricade WA, was applied over the exposed surface area.

The railroad siding south of the Wolf warehouse was removed in order to construct the vertical barrier wall and related remedy construction activities. The siding was replaced during construction of the reinforced concrete cap. Parsons subcontracted the removal of the existing rail road track to Tracks Unlimited. The rails were salvaged and stockpiled onsite for reuse. Existing railroad ties were in very poor condition and disposed offsite. Manifests for the offsite disposal of the railroad ties removed from the railroad spur south of the Wolf Warehouse is provided in **Appendix F**. The existing rail stop at the end of the rail spur was salvaged for reuse following restoration of the track.

Tracks Unlimited replaced the railroad siding south of the Wolf warehouse following concrete placement. Direct fixation fasteners were installed into the concrete using a drill and grout method. Following installation of rails and track stop, the track was reconnected to the rails south of the U.S. Life warehouse, restoring full service to the siding. The restored railroad siding alignment and construction details are presented in **Figures 20, 22, and 23**.

6.8.2.4 Asphalt Capping

Asphalt pavement was removed from Ethel Boulevard and the US Life Warehouse property during the excavation of Areas A and D, and during repaving of Park Place East. Area A and D asphalt was broken up and disposed of with soils with mercury concentrations >620 mg/kg. The final 18-inches of backfill placed within excavation Area D consists of compacted I-4 stone aggregate. Backfill placed in Area A consists of compacted DGA.

The asphalt removed during the repaving of Park Place East was broken up in place, and utilized as subgrade fill beneath the undeveloped area cap. The pre-existing road subbase was re-graded and compacted in a manner which returned the paved way to near pre construction grading and maintains pre-existing drainage pathways to prevent storm water runoff onto the railroad tracks (freight and commuter train) west of the US Life Warehouse.

Construction of concrete curbing along Ethel Boulevard was subcontracted by SES to Berto Construction of Rahway, NJ. Berto installed 6 inches of raised curbing along the north side of the newly paved section of Ethel Boulevard and 8 inches of raised concrete curbing on the south side to protect the utility poles, hydrant and US Life warehouse parking area. All other curbing installed on the south side was depressed to allow access for trucks to the Wolf Warehouse loading bays and parking area.

SES subcontracted asphalt construction to Tilcon New Jersey. Tilcon coated the prepared asphalt subgrade surfaces with a liquid, asphaltic tack coat. Asphalt paving was installed in two courses, a 4 1/2-inch base course (NJDOT I-2) and a 1 ½-inch surface course (NJDOT I-5). The base course was installed up to ½-in to 1-inch thicker in various areas, as necessary, to achieve design grades. Asphalt compaction testing confirmed that Ethel Boulevard achieved ~100% of the

theoretical Marshall Density. Newly paved surfaces were protected from traffic until the surface temperature cooled sufficiently.

6.8.2.5 Developed Area Storm Water Controls

The primary storm water control means for developed area cap is the overall grading. As built concrete and asphalt elevations promote drainage generally from north to south and ultimately the West Ditch.

To convey storm water flow from the west of the Wolf Warehouse below the railroad spur, three 12-inch RCP culverts were installed directly below the track in the southwest corner of the cap. The culvert pipes were completely encased in concrete and poured over a base of compacted I-4 stone. Rip-rap stone was placed at the inlet of the culvert pipe to provide a transition from the concrete to the RCP, and at the outlet end of the pipe to reduce storm water velocity and protect the drainage swale south of the Wolf warehouse.

Details for the storm water controls utilized on the reinforced concrete cap are presented in **Figure 22**.

6.8.2.6 Quality Control Activities

Undeveloped Area Cap

KSS staked contours for each layer of the cap on an approximate 30 foot by 30 foot grid to ensure desired elevations were achieved. The as-built topography for the cap subgrade is presented in **Figure 18**. Top of barrier/separation layer, and topsoil were provided to Parsons prior to placement of vegetative cover. The final as-built grading elevations of the undeveloped area cap are presented in **Figure 24**.

SES collected a sample of backfill material delivered to the Site for index testing at a frequency of 1 per 1,000 cubic yards. Samples were tested in accordance with Appendix H of the Developed Area RAW by Sor. A nutrient analysis was also performed on topsoil soil samples at a frequency of 1 per 1,000 cubic yard. Results are presented in Table 6-10. During installation of barrier/separation layer fill, in place compaction testing and in place permeability tube sample collection, was performed at a frequency of 1 per acre by Sor. The results of undeveloped area cap in place compaction and permeability testing are presented in **Tables 5-6 and 6-15**, respectively.

Developed Area Cap

In-place compaction testing of the concrete cap and Ethel Boulevard subbase was performed by Sor, using a nuclear density gauge in accordance with Appendix H of the Developed Area RAW. Results are presented in **Table 5-6**. QC samples of I-4 stone material were collected for index property testing at a frequency of 1 per 1,000 cubic yards and tested offsite by Sor. Asphalt and

concrete subgrades were surveyed by KSS prior to installation to confirm design grading and thicknesses could be achieved. The subgrade elevations of the reinforced concrete cap were verified by Forsa prior to installation of concrete.

Sor was onsite during placement of concrete to perform concrete sampling and testing at a frequency of 1 per 50 cubic yards. Concrete cylinders were tested for compressive strength at 7 and 28 day cure times. The results of concrete testing are summarized in **Table 6-16**. Lab testing reports for concrete testing are presented in **Appendix E**.

Sor was present during asphalt construction to confirm in place density of compacted asphalt surfaces with a nuclear density gauge. Asphalt paving compaction results are provided in **Appendix E**.

6.8.2.7 Quality Assurance Activities

Undeveloped Area Cap

During cap construction Parsons compared subgrade and backfill grades from the design to the grades indicated by the KSS field survey to verify that minimum cap thicknesses were achieved during construction. Survey data provided by KSS was also reviewed using CAD software in order to identify deficiencies in cap thickness. When areas were identified as being deficient, Parsons notified SES and additional backfill was placed, resurveyed and checked by Parsons. A QA survey of the final cap grades was performed by Borbas and is presented in **Appendix H**.

Parsons collected samples of backfill materials delivered to the Site at a frequency of 1 per 10,000 cubic yards unless otherwise stated in Appendix H of the Developed Area RAW, for offsite testing by JLT. QA test reports for materials sampled are summarized in **Table 6-14** and provided in **Appendix I**.

Developed Area Cap

Parsons collected samples of the I-4 stone subgrade at a frequency of 1 per 10,000 cubic yards for index property testing. Jersey Essay Labs of Newark, NJ was utilized by Parsons to perform offsite QA compression testing of concrete cylinders. Cylinders were collected at a frequency of 1 per 200 cubic yards. The results of concrete QA testing are summarized in **Table 6-16**. Some minor differences in compressive strength were initially noted in the QA cylinder test strength results compared with the QC test results. Several sets of the initial test results were lower than the QC test results and were attributed to sample disturbance, rapid curing of the mix during sample casting, or differences in testing procedures at the QA and QC laboratories. Subsequent test results were in agreement with the QC results. Laboratory test reports for concrete QA testing are provided in **Appendix I**.

Oversight and direction to Tracks Unlimited was provided during restoration of the railroad spur south of the Wolf Warehouse to ensure that the alignment of the railroad track and spur were within property boundaries.

6.8.3 Post -Construction

6.8.3.1 Undeveloped Area Cap

Following completion of construction, Parsons performed periodic inspections and maintenance of the undeveloped area cap and the remaining erosion and sedimentation controls until permanent vegetation was established. Bollards were also installed as a visual marker around all monitoring wells and piezometers installed in the undeveloped area.

6.8.3.2 Developed Area Cap

Following completion of the concrete and asphalt surfaces, Parsons performed a visual inspection of the paved areas during a rain event to verify that storm water flow patterns were as anticipated and that there was no significant ponding of storm water. SES tested road boxes and manholes covers installed in pavement areas to ensure they would open.

6.9 West Ditch Improvements

The West Ditch is a tidally impacted drainage ditch located on the western border of the Site, which discharges into the Diamond Shamrock/Henkel (DSH) Ditch (north). Excavation and restoration of the West Ditch was completed pursuant in accordance with Section 4.2 of the Developed Area RAW. The excavation and backfilling work was performed in conjunction with the adjoining 55-foot buffer work over the course of the developed area construction phase. Excavation and backfilling activities were performed between generally between the period of June 2010 and September 2010. Final restoration of the adjoining vegetated areas was completed in October and November of 2010. Details regarding the typical crew, equipment, materials, and construction methods utilized during the West Ditch improvement operations are presented within **Appendix B.**

A tide gate was installed at the discharge of the West Ditch to prevent flooding of the developed area due to tidal surges in the ditch. The West Ditch tide gate utilizes several components which effectively maintain positive discharge to the DSH ditch while minimizing tidally influenced water from flowing upstream into the developed area.

6.9.1 Pre-Construction Activities

6.9.1.1 Utility Clearance

Prior to starting the excavation work within the West Ditch, SES contacted New Jersey One-Call to mark-out any utilities that may be located within the areas where excavation and other Site disturbance would be occurring. No utilities were identified in the vicinity of the West Ditch.

6.9.1.2 Erosion and Sediment Control

Erosion and sedimentation control measures were installed as part of the Site preparation work. Prior to excavation, SES installed a stone check dam near the intersection of the DSH Ditch (north) and the West Ditch to block incoming tidal water as directed by the construction drawings. A temporary storm water bypass system was installed to divert storm water from the developed area and around the West Ditch to an energy dissipater pad constructed downstream of the check dam. See **Figure 4** for location and sizing of the storm water bypass pump system. A floating turbidity curtains were installed at the outlet of the bypass pump system to prevent the migration of sediments to downstream areas.

6.9.1.3 Surveying

KSS located the centerline of the West Ditch by field survey and staked out the limits of excavation as indicated on the construction drawings. The total width of the ditch requiring excavation ranged from 15 to 32 feet and was dependent upon the design of the ditch which required a flat, 8 foot wide, swale bottom and side slopes which extend to elevation +5.0 at a slope of 2H:1V. The as-built limits of the improved West Ditch are presented in **Figure 13**.

6.9.1.4 Material Submittals

SES submitted material testing results to Parsons for the crushed stone and geotextile filter fabric at the required QC testing frequency prior to delivering the materials to the Site. Product information and certifications for the Tide Gate equipment and sheet piles were also provided to Parsons and are included in **Appendix E**. As-built survey data of the West Ditch excavation bottom elevations and finished grade elevations was also submitted to Parsons. Survey submittals consisted of spot elevations taken along the excavation bottom and location survey points of the excavation corners. Excavation as-builts are provided in **Appendix E**; summaries of the testing results for the crushed stone are provided in **Tables 6-6 and 6-14**.

6.9.2 Construction Activities

6.9.2.1 West Ditch Excavation

SES excavated a minimum of two feet of material from within the West Ditch as measured from the existing Site grades. The actual excavation depth of the soils removed from the ditch exceeded two feet in many locations in order to achieve design grades for the bottom of the ditch and to accommodate a minimum of two feet of certified clean offsite backfill. Material excavated from the ditch was stockpiled onsite to permit gravity drainage of the free water from within the excavated material. Once drained, the excavated material was placed beneath the undeveloped area cap as grading fill in accordance with the remedial action workplan design for this task.

6.9.2.2 Backfilling

Backfilling operations in the West Ditch followed survey confirmation that the subgrade elevations necessary to accommodate placement of two feet of certified clean offsite backfill were achieved. The prepared subgrade of the West Ditch was lined with a 70-mil, non woven geotextile fabric. SES secured the fabric to the bottom of the swale, then backfilled the bottom of the ditch with a 6-inch layer of NJDOT #57 stone (Tilcon's Mount Hope Quarry) followed by an 18-inch layer of NJDOT #1 stone (Tilcon's Riverdale Quarry). **Tables 6-5 and 6-17** summarize the analytical testing results which document the materials compliance with the RDCSCC. Stone backfill was placed uniformly in the West Ditch and shaped to match the excavation subgrade. The backfilled elevations of the bottom of the West Ditch were elevation +3.6 at the north end and elevation +2.2 at the south end. See **Figure 13** for the final grading contours of the West Ditch.

6.9.2.3 West Ditch Tide Gate

A total of twenty-two (22) steel sheet piles were driven across the West Ditch and extending eastward through the 55-foot buffer to serve as a barrier to the tidally influenced waters of the DSH Ditch (north). Sheet piles installed were new stock, 25-feet in length, and AZ19-700 shapes delivered from Arcelor Mittal. Sheets arrived at the Site in full lengths, with the upper 15 feet coated with Carboline bitumastic coal tar epoxy to protect against corrosion. Sheet pile interlocks were sealed with DeNeef Swellseal WA using the dry cure method. Sheet piles were driven from east to west to an average top of sheet elevation of +7.75 with the ABI Mobilram. Sheet pile handling holes exposed above ground surface were sealed utilizing the same closure method employed during vertical barrier wall construction.

Discharge through the tide gate sheet piling occurs through a pair of reinforced concrete (RCP) pipes. The twin RCP discharge pipes penetrated the tide gate sheet piles by approximately 1-foot on the downstream end and extended approximately 20-feet upstream of the sheet piles to a precast concrete flared end inlet (invert elevation +2.2'). Two layers of 15-inch rip rap stone were installed in the West Ditch and up the side slopes directly upstream of the flared end sections as directed by the construction drawings. Epoxy coated rebar tie backs were installed to secure adjoining pipe sections using a drill and grout method. SES encased the two RCP pipe sections at the sheet pile wall in a 3-foot long reinforced concrete collar which was subsequently anchored to the tide gate sheet piles using stainless steel threaded rods and hardware. Six-inch diameter rip-rap was backfilled overtop of the concrete collar and culvert piping upstream of the tide gate to elevation +6.7'.

To prevent the incoming tide from the DSH Ditch (north) from flowing through the culvert pipes, high density rubber check valves were attached to the culvert pipe discharge. Flex valve manufacturer, Tideflex, product information and details are presented in **Appendix E**. The check valves operate solely on pressure. Forward pressure caused by water discharging from the West Ditch causes the valve to open, while reverse pressure from incoming tidal flows force the valve to close. See **Appendix C** for photos of the valves shown in a series of different stages of

operation and tide water elevations. The construction as built of the West Ditch tide gate is presented in **Appendix E**.

6.9.2.4 Quality Control Activities

Construction QC during this activity consisted of general management of crew and equipment during construction; the layout of the West Ditch excavation and backfill; layout of the West Ditch tide gate sheet pile, culvert piping, and overflow system; oversight and maintenance of the bypass pumping system; and the submission of survey as-built documentation, product data, and material certifications. KSS was present throughout excavation operations for the West Ditch to provide excavation guidance and collect as-built survey data of the West Ditch. Grade stakes were also set by KSS to ensure the proper minimum thickness of the crushed stone backfill materials was placed in the ditch. Construction submittals described in this section are provided in **Appendix E**.

During installation of the West Ditch tide gate, SES' field foreman maintained a detailed sheet pile driving log. The sheet pile driving log documented the sheet number, date, drive time, sheet pile type, verticality, top of sheet elevation, toe elevation, equipment and abnormalities or interruptions noted during installation. KSS verified top of sheet elevations by field survey prior to installation of the next sheet. The completed sheet pile driving log was submitted to Parsons for review.

6.9.2.5 Quality Assurance Activities

Parsons QA was present throughout the West Ditch improvements. Parsons observed excavation and backfill operations in the West Ditch to document compliance with the drawings and specifications. Backfill materials delivered to the Site were inspected for compliance with the construction specifications and material submittals. QA samples of backfill materials delivered to the Site were collected and shipped to JLT Laboratories for testing in accordance with the project specific QAPP. QA material testing reports are presented in **Appendix I**. The construction of the various components of the tide gate was thoroughly inspected by Parsons. Deficiencies observed in construction were noted and reported to the SES field foreman for implementation of corrective measures.

6.9.3 Post - Construction Activities

During the placement of the Site cap, topsoil was brought up to the edge of the West Ditch crushed stone lined channel and seeded to establish vegetation. A trash rack was also installed on the upstream side of the tide gate to collect large floating debris and enable periodic removal of the debris. Soil erosion and sediment control measure were removed from the area prior to demobilization from the Site.

Section 7 – Institutional Controls and Monitoring

A number of requirements related to institutional controls and monitoring were stipulated in the ROD and subsequently addressed in the RAW's. These requirements include:

- Placing ground water use restrictions on the site in the form of a Classification Exception Area (CEA);
- Placing land use restrictions in the form of deed notices on properties with contaminated soil exceeding regulatory limits for residential use;
- Monitoring barrier wall effectiveness;
- Monitoring contaminant flux in ground water; and
- Monitoring of indoor air at the Wolf Warehouse.

This section discusses the portion of these items implemented during construction of the remedy.

7.1 Groundwater Use Restriction

A ground water CEA report was formally submitted to the NJDEP on April 6, 2007 to satisfy the component of the ROD which requires ground water use restrictions throughout the extent of the ground water contamination plume present at the Site. An addendum was issued on November 11, 2007 to address comments submitted by the NJDEP on August 31, 2007.

The CEA report provides a written and mapped description of the area in which the New Jersey Ground Water Quality Standards (GWQS) are not met due to the presence of three site-related contaminants, determined in the ROD, (arsenic, benzene, and mercury), as well as five other non-Site-related contaminants (iron, manganese, sodium, heptachlor, and 4,4'-DDT). Additionally, the CEA includes details on: the nature and extent of ground water contaminants; boundaries and duration of the CEA; current and future ground water use in the vicinity of the Site; public notifications which were made to inform the relevant parties of the CEA; and the requirements for monitoring, maintenance, and certification related to the CEA. The CEA report and addendum has been included as **Appendix M**.

7.2 Deed Notices

In accordance with the ROD, draft deed notices for properties at the Site where soil contamination remains at levels exceeding the NJDEP Residential Direct Contact Soil Cleanup Criteria (RDCSCC) have been included in this report. Deed notices were recorded for the following properties:

Property	Block and Lot
Undeveloped Area	Block 229, Lot 8 and Block 84, Lot 5
Prince Packing Property	Block 229, Lot 2

Blum Property	Block 229, Lot 1
Wolf Warehouse Property	Block 229 Lot 10.02
U.S. Life Warehouse Property	Block 229 Lot 10.01
Norfolk Southern Property	Block 332 Lots 2 and 3
Ethel Boulevard	Block 332 Lots 2 and 3

Draft deed notices are included in **Appendix N**. As a result of excavation described in **Section 6.2**, a deed notice was not required for the Lin-Mor property.

7.3 Ground Water Monitoring Wells

Ground water monitoring will be performed at the Site in accordance with the requirements of the ROD and the CEA. An Operations, Maintenance, and Monitoring (OM&M) plan will be developed to address the requirements for ground water monitoring and reporting of results in order to fulfill the requirements of the ROD, CEA, and RAW's.

Monitoring will be performed to evaluate:

- Effectiveness of the remedial action and overall site remediation of ground water at the Site in accordance with the CEA;
- Barrier wall effectiveness in accordance with the ROD; and
- Contaminant flux monitoring in accordance with the ROD.

Ground water monitoring details including sampling frequency, sample analysis, and quality control will be addressed in the OM&M plan.

An array of ground water monitoring wells and piezometers were installed and maintained at the Site to perform the required monitoring. The installation and abandonment of monitoring wells and piezometers at the Site is discussed below. Monitoring well and piezometer installation and abandonment records are provided in **Appendix O**.

7.3.1 Monitoring Well Abandonment

A total of twenty five (25) monitoring wells were abandoned during the undeveloped and developed area construction phases. Monitoring wells were abandoned because they were either located within the limits of a >620 mg/kg mercury excavation or interfered with the construction of the site caps. **Figure 25** shows the location of abandoned monitoring wells. Monitoring wells were abandoned in accordance with NJAC 7:9 by New Jersey licensed well drillers. SES subcontracted the well abandonment work to Moretrench American Corp. Decommissioned wells were abandoned by pumping a cement/bentonite/water slurry into the casing of the well. Well protectors (steel casings) were removed by SES, crushed, and placed beneath the Undeveloped Area Cap. The PVC casings not removed during >620 mg/kg mercury excavations were left in the ground, grouted and encapsulated by either the undeveloped area or developed area Caps. Parsons requested a waiver of the requirement (NJAC 7:9D-3.1K) that abandoned

wells be capped with concrete, since abandoned wells remaining in place would be capped by either a minimum of 18" of certified clean backfill or 8" of reinforced concrete. The waiver was approved on 4/29/10 by Steve Reya of NJDEP. The signed well abandonment reports and the aforementioned waiver are provided in **Appendix O**. A well abandonment summary is provided in **Table 7-1**.

Four existing wells, MW-2, MW-8, MW-10 and MW-11, were maintained at the Site for use during ground water monitoring. MW-2 and MW-8 are located on the Randolph Products property, while MW-10 and MW-11arelocated to the east of the U.S. Life Warehouse in an active parking lot area. The locations of these wells are depicted on **Figure 25**.

7.3.2 Monitoring Well/Piezometer Installation

Monitoring wells and piezometers were installed in both the developed and undeveloped areas of the Site. A total of twenty (20) monitoring wells were installed during developed area construction. Twelve (12) of these wells were installed around the perimeter of the undeveloped area. Eight (8) monitoring wells were installed in the developed area. Developed area monitoring wells were installed outside the limits of the vertical barrier wall and each was installed opposite a piezometer located inside the barrier wall, to measure the effectiveness of the hydraulic barrier around the perimeter of the Wolf Warehouse. Piezometer installation is described below. A well installation summary is provided in **Table 7-2**.

Monitoring wells consisted of a 2-in. diameter PVC pipe with a 10-foot screened interval. The total length of casing and location of the screened interval along the length of the casing was dependent upon historic ground water elevations and the depth to ground water observed during soil boring operations performed immediately prior to monitoring well installation. Monitoring wells installed in the undeveloped area are stick-up type wells. The PVC riser is protected by a steel well protector with locking cap set inside of a 2-ft. diameter concrete pad. Concrete filled bollards were installed around the well stickups as protection from vehicles and to serve as a visual marker. Monitoring wells installed within the limits of the developed area concrete cap are flush mount type monitoring wells. Flush mount wells were installed within a 12-in. diameter road box which was set inside of the concrete cap reinforcement prior to concrete pour. The roadbox was set slightly above the finished developed area cap concrete grade to promote positive drainage.

Twelve (12) piezometers were installed during the developed area construction phase. Eight (8) were installed within the limits of the vertical barrier wall to measure the effectiveness of the hydraulic barrier as well as control ground water, if necessary. Two piezometers were installed on each alignment (e.g., north side, east side, etc) of the vertical barrier wall opposite of a monitoring well. The elevation of the ground water measured within these piezometers will be compared to the elevation of the top of the vertical barrier wall to evaluate overtopping. The remaining four (4) piezometers were installed within the undeveloped area cap to provide supplemental ground water elevation data for flux monitoring.

The eight piezometers installed within the limits of the developed area cap consisted of a 4-in. diameter stainless steel casing with a 10-foot screened interval. The total length of casing and

location of the screened interval was dependent upon historic ground water elevations and the depth to ground water observed during soil boring operations performed immediately prior to piezometer installation. The larger casing diameter of the piezometers within the limits of the vertical barrier wall will facilitate the control of ground water within the barrier if the potential for overtopping is observed. As required, water can be pumped from inside of the vertical barrier wall at the piezometer locations. Water pumped from the Developed Area piezometers will be collected and transported off-site for disposal.

7.4 Indoor Air Monitoring in Wolf Warehouse

Air monitoring for mercury in the Wolf Warehouse was performed as required by the ROD and described in the Undeveloped Area RAW. An initial round of sampling, including one summer event and one winter event, was initiated in the summer of 2008 as described in the Undeveloped Area RAW. An initial building survey was performed to determine conditions in the building which may influence indoor air monitoring. Four indoor air samples (including one duplicate) and one outdoor air sample representing the summer event were then taken beginning September 17, 2008. Results of the first round of sampling were summarized in a memorandum submitted directly to the NJDEP. An additional round of samples was taken beginning February 24, 2009 representing the winter event. Results of this sampling were submitted directly to the NJDEP and were also included as Attachment 3 to Progress Report 2. Based on these two events, it was concluded that subsequent, biennial air monitoring required by the ROD would be performed during the summer season.

Subsequently, the first round of biennial indoor air sampling in the Wolf Warehouse was performed on September 29, 2009. Samples were collected from the same locations sampled in 2008. Sample results were summarized in a memorandum submitted directly to the NJDEP and also included as Attachment 5 to Progress Report 8. Details on sampling, including sample locations, field and laboratory methods, and sample results, are included in the memorandums listed above. These memorandums are not included with this report but are available upon request.

Section 8 – Design Modifications

The section below summarizes modifications to the design that were implemented after approval of the IRM and RAWs during the construction phase. These modifications include:

- Refinement of excavation limits for soils with mercury concentrations greater than 620 mg/kg;
- Removal of paint impacted soils in Area E;
- Change in undeveloped area cap section in areas of future Site development;
- Reduction of grades and elimination of rip rap within the 55-foot buffer "bank zone";
- Removal of historical pipe along Ethel Boulevard; and
- Installation of cap on portion of the Norfolk Southern Railroad property.

8.1 Excavation Limits of Soils with Mercury Concentrations Greater than 620 mg/kg

The excavation limits of Areas E/F, G, H, I, and DL were refined during construction by performing a field investigation using an X-ray fluorescence (XRF). This work was performed consistent with the *Technical Memorandum on XRF Correlation,* presented as Attachment 6 of Appendix C to the Undeveloped Area RAW. The results of the investigation are presented in **Appendix P** of this report.

XRF screening was performed on soil samples collected from locations identified as being between adjacent PDI sample locations which contained less than 620 mg/kg and those found to contain greater than 620 mg/kg mercury in soil as determined by fixed laboratory results. These locations were typically located adjacent to the perimeter "pre" post excavation samples. Elevation data at each boring location was surveyed by Borbas prior to drilling to calculate required sample elevations.

These modified excavation limits are reflected in **Appendix P, Figures 8 through 12,** as well as the KSS excavation as-built figures provided in **Appendix E** of this report.

8.2 Paint Impacted Soils in Area E

During excavation in Area E-34 soil impacted by old paint was observed at the bottom of the excavation. This area was approximately 163 square feet in surface area. The impacted soils were excavated approximately 2 feet below the design bottom of excavation. The over excavated area was visually inspected for the removal of the paint-like material and impacted soils. Approximately 30 tons of excavated material was placed in a roll-off container for offsite disposal. Veolia characterized the waste as hazardous for lead contamination (D008) and managed transportation, manifesting, and offsite disposal. See **Appendix F** for manifest

documentation for the offsite disposal of the impacted soils. The as-built location of this area is shown on **Figure 8** and the survey is provided in **Appendix E**.

8.3 Change in Undeveloped Area Cap Section in Areas of Future Site Development

The total thickness and material composition over a portion of the undeveloped area cap, as described in Section 4.4.2 of the Developed Area RAW, was modified in anticipation of the future Site development. The modifications were approved by the USEPA with the conditions stipulated in their letter re: Undeveloped Area Cap Modification Approval, dated June 30, 2010. The areas modified were those anticipated to be surcharged for the proposed building footprints. Sections of the undeveloped area cap to receive the original design were identified as Cap Type A, while the remainder of the undeveloped area was identified as Cap Type B.

The Cap Type B consisted of the following (from the top down):

- Vegetation;
- 3-inches topsoil; and
- 15-inch separation layer.

The QA/QC measures during construction of the undeveloped area cap were the same for both cap types. Cross sections illustrating the materials utilized for the undeveloped area cap types and approximate dimensions of cap layers are presented in **Figure 19**. For additional details regarding the construction of the undeveloped area cap see section 6.7 of this report.

8.4 55-foot Buffer "Bank Zone"

The Undeveloped Area RAW indicated the placement of rip-rap in the bank zone of the 55-foot buffer. The bank zone was initially an area where the proposed final grading after excavating and backfilling in the 55-foot buffer exceeded 3 horizontal to 1 vertical (3:1).

NJDEP Land Use Regulation Program (LURP) commented during the general permitting process that they would prefer to have the rip-rap removed from the bank zone and replaced with vegetation. To eliminate the need for rip-rap, slope grades were reduced to a maximum of 4 horizontal to 1 vertical (4:1). The modified slope reduced storm water velocities to levels that did not require surface erosion control measures like rip-rap while allowing for vegetative growth. Over excavation was performed in select places along the 55-foot buffer to achieve these shallower slopes. The final grades of the 55-foot buffer are shown on **Figure 13**.

8.5 Historical Pipe along Ethel Boulevard

A subsurface clay pipe was discovered north of the curb line separating the Norfolk Southern railroad property and Ethel Boulevard. The pipe was approximately 2 feet in diameter and observed approximately 2 to 3 feet below the ground surface. Elevated Hg vapor was measured by both worker breathing zone and perimeter air monitoring equipment when the pipe was encountered. A review of historic drawings indicated the pipe may have been associated with the operations at the former processing facility. Based on this it was determined that the pipe and bedding material should be removed.

The lateral and vertical extents of the pipe were determined by excavating test pits along the Ethel Blvd curb line based on takeoffs from the historic plant drawings. The pipe was observed in several locations along the curb line however was not observed to be continuous. The pipe was observed between the northwest and northeast corners of the Wolf Warehouse. Pipe removal is discussed in greater detail in Section 6.10 of this report

8.6 Norfolk Southern Railroad Property Cap

One of the stipulations within the Norfolk Southern deed notice is that a direct contact cap be installed in areas where soils with mercury concentrations greater than 270 mg/mg (NJDEP non-residential direct contact soil cleanup criteria) existed. The Developed Area RAW indicated the cap would be the existing railroad ballast. However, after an internal policy change within Norfolk Southern the requested a minimum cap of 18-inches below the railroad ballasts.

The limits of the 18-inch cap were determined by advancing 12 geoprobes on the Norfolk Southern property. Soil samples were tested mercury for using a combination of the XRF and laboratory samples. A summary of the results in presented **Table 3-13**. The cap consists of a minimum of 18-inches of compacted dense grade aggregated (DGA) under the railroad ballast. This is the same backfill used in Area D. The limits of the cap are also shown on the attached **Figure 26**. Below is a brief summary of the approach and procedures performed for this work.

Eight geoprobe soil samples were obtained along the centerline of the railroad track. Four additional borings were performed north of the railroad track, along the Prince Packing property line to delineate the northern limit of excavation. The southern extent of the excavation areas were the clean backfill placed inside of the Area D excavation. Samples were taken at every 1 vertical foot of boring interval and tested for mercury concentration using both XRF and laboratory testing techniques. To maintain the existing track elevations material needed to be excavated from under the tracks. RR-3 and RR-2, located south of the Prince Packing property, varied in excavation depth from 1.5 to 4 feet in depth from ground surface. Excavation Area RR-1 extended a depth of 2 feet below ground surface. The southern limit of RR-1 was clean Area D backfill, the northern, eastern and western limits of excavation were established based on post excavation sampling in the field using an XRF for mercury greater than 270 mg/kg. A figure showing the vertical and horizontal limits of the three excavation areas is provided in **Figure 26**. Results of post excavation confirmation sampling of Area RR-1 is provided in **Table 3-13**.

Section 9 – Conclusions

Based on the documentation contained in this remedial action report, it is Parsons opinion that all remedial action components presented in the NJDEP signed ROD (10/30/2006) for the Site have been completed as described in this Remedial Action Report. This conclusion is based on the following:

- RAOs established for soil in the ROD were achieved in that the soils delineated as having >620 mg/kg mercury concentration in the Developed and Undeveloped Area RAW have been removed and disposed offsite.

- The vertical barrier wall was installed in the manner presented in the Developed Area RAW to encapsulate the areas of mercury-impacted soil and groundwater, as well as to provide a physical barrier to groundwater flow beneath the Wolf Warehouse.

- Site capping features were installed in the developed area of the Site as described in the Developed Area RAW. The thickness of the undeveloped area cap was modified from the design presented in the RAW due to the planned redevelopment of the undeveloped area. The integrity of existing Site buildings and caps were monitored and maintained throughout construction as required.

- The excavation of soil within the 55-foot buffer adjacent to Berry's Creek, DSH Ditch (North), and the West Ditch has been completed to the limits presented in the Undeveloped Area RAW. The 55-foot buffer excavation has been backfilled with certified clean backfill materials. Native vegetation and erosion controls have been installed in the 55-foot buffer as described in this report.

- The West Ditch was restored to the limits established in the Developed Area RAW. Restoration improved drainage at the Site and will prevent the transport of contaminants to downstream areas.

- The former drain line piping, pipe contents, and bedding materials encountered in the undeveloped area of the Site was removed. Material contained within the former drain line piping as well as pipe bedding stone was considered >620 mg/kg and disposed accordingly.

- Deed notices for properties named in the Developed and Undeveloped Area RAW are presented in this Remedial Action Report, with the exception of the Lin-Mor Property. Excavation of Site-related contaminants on the Lin-Mor property to the NJDEP RDCSCC, as delineated in the Undeveloped Area RAW, has been completed in lieu of the placement of deed notice restrictions.

- As a result of the remedial actions performed at the Site, it is expected that ground water contamination will decrease over time and will be in compliance with the applicable remediation standards consistent with the model used to estimate the eventual extent of

the plume, and, therefore, that the ground water classification exception area is still necessary. A plan for the monitoring, maintenance, and certification of the protectiveness of the classification exception area pursuant to N.J.A.C. 7:26E-8 has been presented in the Developed Area RAW.

Section 10 – Certification

"I certify under penalty of law that I have personally examined and am familiar with the information herein and all attached documents, and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe that the submitted information is true, accurate, and complete. I am aware that there are significant civil penalties for knowingly submitting dates, inaccurate, or incomplete information and that I am committing a crime of the fourth degree if I make a written false statement which I do not believe to be true. I am also aware that if I knowingly direct or authorize the violation of any, statute, I am personally liable for the penalties."

For Morton International, Inc.

Signed By:

_____

Robert Casselberry, Remediation Manager

_____

Company

_____

Date

"I believe that the information contained herein, and including all attached documents, is true, accurate and complete."

Signed By:

_____ _____

Robert C. Swabsin, New Jersey Professional Engineer Number

_____

Company

_____

Date

Section 11 – References

1. Parsons, 2008. Pre-Design Investigation Data Report for Ventron/Velsicol Superfund Site Operable Unit 1. Wood-Ridge and Carlstadt, New Jersey. May 16.

2. Parsons, 2008. Perimeter Air Monitoring Plan for Ventron/Velsicol Superfund Site Operable Unit 1. Wood-Ridge and Carlstadt, New Jersey. May 16.

3. Parsons, 2008. Undeveloped Area Remedial Action Workplan for Ventron/Velsicol Superfund Site Operable Unit 1. Wood-Ridge and Carlstadt, New Jersey. May 16.

4. Parsons, 2008. Developed Area Remedial Action Workplan for Ventron/Velsicol Superfund Site Operable Unit 1. Wood-Ridge and Carlstadt, New Jersey. November 15.

5. Exponent, 2004. "Remedial Investigation Report for the Ventron/Velsicol Site, Wood-Ridge/Carlstadt, New Jersey". June. Volumes 1 to 4.

6. New Jersey Department of Environmental Protection, 2006. Record of Decision, Ventron/Velsicol Site, Wood-Ridge and Carlstadt, Bergen County, New Jersey. October.

7. New Jersey (State of), Technical Requirements for Site Remediation, New Jersey Administrative Code, N.J.A.C. 7:26E.

8. CH2MHill, 2006. Feasibility Study Report Operable Unit One for Ventron/Velsicol Superfund Site, Wood-Ridge and Carlstadt, New Jersey. April 6.

9. Parsons, 2008. Interim Remedial Measures Workplan Site Preparation and Drum Removal for Ventron/Velsicol Superfund Site Operable Unit 1. Wood-Ridge and Carlstadt, New Jersey. September 1.

Table 3-1 Site-Related Ground Water Contaminants and Remediation Goals
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Contaminant	NJ Ground Water Remediation Standard (µg/L)
Arsenic	3
Benzene	1
Mercury	2

Table 3-2 Site-Related Soil Contaminants and Remediation Goals
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Contaminant	RDCSCC (mg/kg)	NRDCSCC (mg/kg)
Arsenic	20	20
Bis(2-ethylhexyl)phthalate	49	210
Chrysene	9	40
Copper	600	600
Lead	400	600
Mercury	14	270
Thallium	2	2

RDCSCC - Residential Direct Contact Soil Cleanup Criteria
NRDCSCC - Non-Residential Direct Contact Soil Cleanup Criteria

Table 3-3 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area A
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Bottom of Excavation Elevation (ft.)
P-SB-A1	10/17/2007	20071017P-SB-A1V0.0-0.5N	0-0.5	0	8.1	8.1	324	3.7
P-SB-A1	10/17/2007	20071017P-SB-A1V2.0-2.5N	2-2.5	2	8.1	6.1	12.9	3.7
P-SB-A1	10/17/2007	20071017P-SB-A1V3.0-3.5N	3-3.5	3	8.1	5.1	60.1	3.7
P-SB-A1	10/17/2007	20071017P-SB-A1V4.0-4.5N	4-4.5	4	8.1	4.1	0.33	3.7
P-SB-A2	10/17/2007	20071017P-SB-A2V0.0-0.5N	0-0.5	0	7.8	7.8	58.4	3.7
P-SB-A2	10/17/2007	20071017P-SB-A2V2.0-2.5N	2-2.5	2	7.8	5.8	9.1	3.7
P-SB-A2	10/17/2007	20071017P-SB-A2V3.0-3.5N	3-3.5	3	7.8	4.8	10.1	3.7
P-SB-A2	10/17/2007	20071017P-SB-A2V4.0-4.5N	4-4.5	4	7.8	3.8	0.23	3.7
P-SB-A3	10/17/2007	20071017P-SB-A3V0.0-0.5FD	0-0.5	0	7.4	7.4	223	3.7
P-SB-A3	10/17/2007	20071017P-SB-A3V0.0-0.5N	0-0.5	0	7.4	7.4	240	3.7
P-SB-A3	10/17/2007	20071017P-SB-A3V1.0-1.5N	1-1.5	1	7.4	6.4	1020	3.7
P-SB-A3	10/17/2007	20071017P-SB-A3V2.0-2.5N	2-2.5	2	7.4	5.4	178	3.7
P-SB-A3	10/17/2007	20071017P-SB-A3V3.0-3.5N	3-3.5	3	7.4	4.4	160	3.7
P-SB-A3	10/17/2007	20071017P-SB-A3V4.0-4.5N	4-4.5	4	7.4	3.4	0.31	3.7
P-SB-A4	10/17/2007	20071017P-SB-A4V0.0-0.5N	0-0.5	0	7.8	7.8	99.6	3.7
P-SB-A4	10/17/2007	20071017P-SB-A4V2.0-2.5N	2-2.5	2	7.8	5.8	3.9	3.7
P-SB-A4	10/17/2007	20071017P-SB-A4V3.0-3.5N	3-3.5	3	7.8	4.8	4.3	3.7
P-SB-A4	10/17/2007	20071017P-SB-A4V4.0-4.5N	4-4.5	4	7.8	3.8	0.58	3.7
P-SB-A5	10/17/2007	20071017P-SB-A5V3.0-3.5N	3-3.5	3	7.8	4.8	623	3.7
P-SB-A5	10/17/2007	20071017P-SB-A5V4.0-4.5N	4-4.5	4	7.8	3.8	8.6	3.7
P-SB-A6	10/24/2007	20071024P-SB-A6V0.0-0.5FD	0-0.5	0	7.1	7.1	6.2 R	3.7
P-SB-A6	10/24/2007	20071024P-SB-A6V0.0-0.5N	0-0.5	0	7.1	7.1	0.37 R	3.7
P-SB-A6	10/24/2007	20071024P-SB-A6V2.0-2.5N	2-2.5	2	7.1	5.1	209	3.7
P-SB-A6	10/24/2007	20071024P-SB-A6V3.0-3.5N	3-3.5	3	7.1	4.1	0.58	3.7
P-SB-A6	10/24/2007	20071024P-SB-A6V4.0-4.5N	4-4.5	4	7.1	3.1	0.049	3.7
P-SB-A7	10/24/2007	20071024P-SB-A7V0.0-0.5N	0-0.5	0	7.3	7.3	1.9	3.7
P-SB-A7	10/24/2007	20071024P-SB-A7V2.0-2.5N	4.0-4.5	4	7.3	3.3	0.094	3.7
P-SB-A7	10/24/2007	20071024P-SB-A7V3.0-3.5N	5.0-5.5	5	7.3	2.3	0.03 J	3.7
P-SB-A7	10/24/2007	20071024P-SB-A7V4.0-4.5N	6.0-6.5	6	7.3	1.3	0.054	3.7

Indicates a result greater than 620 mg/kg

Table 3-4 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area C
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID[2]	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Bottom of Excavation Elevation (ft.)[1]
P-SB-C1	10/26/2007	20071026P-SB-C1V0.0-0.5FD	0-0.5	0	5.1	5.1	6.7 R	2.8
P-SB-C1	10/26/2007	20071026P-SB-C1V0.0-0.5N	0-0.5	0	5.1	5.1	46.9 R	2.8
P-SB-C1	10/26/2007	20071026P-SB-C1V1.0-1.5N	4.0-4.5	4	5.1	1.1	0.69 J	2.8
P-SB-C1	10/26/2007	20071026P-SB-C1V2.0-2.5N	5.0-5.5	5	5.1	0.1	0.094	2.8
P-SB-C1	10/26/2007	20071026P-SB-C1V3.0-3.5N	6.0-6.5	6	5.1	-0.9	0.81	2.8
P-SB-C1	10/26/2007	20071026P-SB-C1V4.0-4.5N	7.0-7.5	7	5.1	-1.9	0.55	2.8
P-SB-C2	10/23/2007	20071023P-SB-C2V0.0-0.5N	0-0.5	0	4.9	4.9	144 J	2.8
P-SB-C2	10/23/2007	20071023P-SB-C2V1.0-1.5N	1-1.5	1	4.9	3.9	8.8 J	2.8
P-SB-C2	10/23/2007	20071023P-SB-C2V2.0-2.5FD	3.0-3.5	3	4.9	1.9	1.8 J	2.8
P-SB-C2	10/23/2007	20071023P-SB-C2V2.0-2.5N	3.0-3.5	3	4.9	1.9	2.5 J	2.8
P-SB-C2	10/23/2007	20071023P-SB-C2V3.0-3.5N	4.0-4.5	4	4.9	0.9	0.6 J	2.8
P-SB-C2	10/23/2007	20071023P-SB-C2V4.0-4.5N	5.0-5.5	5	4.9	-0.1	0.34 J	2.8
P-SB-C3	10/23/2007	20071023P-SB-C3V0.0-0.5N	0-0.5	0	4.8	4.8	2290 J	2.8
P-SB-C3	10/23/2007	20071023P-SB-C3V1.0-1.5N	1-1.5	1	4.8	3.8	14.1	2.8
P-SB-C3	10/23/2007	20071023P-SB-C3V2.0-2.5N	2-2.5	2	4.8	2.8	1.6 J	2.8
P-SB-C3	10/23/2007	20071023P-SB-C3V3.0-3.5N	4.0-4.5	4	4.8	0.8	3.6 J	2.8
P-SB-C3	10/23/2007	20071023P-SB-C3V4.0-4.5N	5.0-5.5	5	4.8	-0.2	0.45 J	2.8
P-SB-C5	10/30/2007	20071030P-SB-C5V0.0-0.5FD	0-0.5	0	4.4	4.4	2490	2.8
P-SB-C5	10/30/2007	20071030P-SB-C5V0.0-0.5N	0-0.5	0	4.4	4.4	1900	2.8
P-SB-C5	10/30/2007	20071030P-SB-C5V1.0-1.5N	1-1.5	1	4.4	3.4	13.5	2.8
P-SB-C5	10/30/2007	20071030P-SB-C5V2.0-2.5N	2-2.5	2	4.4	2.4	0.91	2.8
P-SB-C7	11/1/2007	20071101P-SB-C7V0.0-0.5FD	0-0.5	0	4.9	4.9	161 J	2.8
P-SB-C7	11/1/2007	20071101P-SB-C7V0.0-0.5N	0-0.5	0	4.9	4.9	154 J	2.8
P-SB-C7	11/1/2007	20071101P-SB-C7V1.0-1.5N	1-1.5	1	4.9	3.9	0.083 J	2.8
P-SB-C7	11/1/2007	20071101P-SB-C7V2.0-2.5N	2-2.5	2	4.9	2.9	0.084 J	2.8
SS01	4/16/2010	20100416SS01V0.0-0.5	0-0.5	0	4.3	4.3	242.5	2.8
SS02	4/16/2010	20100416SS02V1.2-1.7	1.2-1.7	1.2	3.0	1.8	152	2.8
SS03	4/16/2010	20100416SS03V0.0-0.5	0-0.5	0	3.9	3.9	15.5	2.8
SS04	4/16/2010	20100416SS04V1.2-1.7	1.2-1.7	1.2	2.4	1.2	45.5	2.8
SS05	4/16/2010	20100416SS05V0.0-0.5	0-0.5	0	3.4	3.4	276	2.8
SS06	4/16/2010	20100416SS06V1.2-1.7	1.2-1.7	1.2	2.4	1.2	ND	2.8

[1]Where sample point is shared by multiple excavation subareas, the depth of the sample > 620 mg/kg mercury was always taken to the lowest excavation elevation as defined in the construction drawing
[2]SS01 through SS06 were post excavation samples, screened for Hg with an XRF for mercury only, utilized to document complete removal of >620 mg/kg Hg soils from Excavation Area C
Indicates a result greater than 620 mg/kg

Table 3-5 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area D
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-1	5/15/2007	20070515P-SB-1V2.0-2.5N	2-2.5	2	6.4	4.4	375 J	D-3/D-16/D-18	-16.2
P-SB-1	5/15/2007	20070515P-SB-1V4.0-4.5N	4-4.5	4	6.4	2.4	206 J	D-3/D-16/D-18	-16.2
P-SB-1	5/15/2007	20070515P-SB-1V6.0-6.5FD	6-6.5	6	6.4	0.4	132 J	D-3/D-16/D-18	-16.2
P-SB-1	5/15/2007	20070515P-SB-1V6.0-6.5N	6-6.5	6	6.4	0.4	123 J	D-3/D-16/D-18	-16.2
P-SB-1	5/15/2007	20070515P-SB-1V8.0-8.5N	8-8.5	8	6.4	-1.6	12.9 J	D-3/D-16/D-18	-16.2
P-SB-1	5/15/2007	20070515P-SB-1V10.0-10.5N	10-10.5	10	6.4	-3.6	4.5 J	D-3/D-16/D-18	-16.2
P-SB-1	5/15/2007	20070515P-SB-1V12.0-12.5N	12-12.5	12	6.4	-5.6	45.8 J	D-3/D-16/D-18	-16.2
P-SB-1	5/15/2007	20070515P-SB-1V14.0-14.5N	14-14.5	14	6.4	-7.6	2.6 J	D-3/D-16/D-18	-16.2
P-SB-1	5/15/2007	20070515P-SB-1V16.0-16.5N	16-16.5	16	6.4	-9.6	22.6 J	D-3/D-16/D-18	-16.2
P-SB-1	5/15/2007	20070515P-SB-1V18.0-18.5FD	18-18.5	18	6.4	-11.6	13.4 J	D-3/D-16/D-18	-16.2
P-SB-1	5/15/2007	20070515P-SB-1V18.0-18.5N	18-18.5	18	6.4	-11.6	13.2 J	D-3/D-16/D-18	-16.2
P-SB-1	5/15/2007	20070515P-SB-1V20.0-20.5N	20-20.5	20	6.4	-13.6	14.3 J	D-3/D-16/D-18	-16.2
P-SB-1	5/15/2007	20070515P-SB-1V22.0-22.5N	22-22.5	22	6.4	-15.6	14.4 J	D-3/D-16/D-18	-16.2
P-SB-1	5/15/2007	20070515P-SB-1V24.0-24.5N	24-24.5	24	6.4	-17.6	1.7 J	D-3/D-16/D-18	-16.2
P-SB-1	5/15/2007	20070515P-SB-1V26.0-26.5N	26-26.5	26	6.4	-19.6	1.8 J	D-3/D-16/D-18	-16.2
P-SB-3	5/17/2007	20070517P-SB-3V2.0-2.5N	2-2.5	2	7.1	5.1	1130	D-9/D-10/D-11	-3.9
P-SB-3	5/17/2007	20070517P-SB-3V4.0-4.5N	4-4.5	4	7.1	3.1	711	D-9/D-10/D-11	-3.9
P-SB-3	5/17/2007	20070517P-SB-3V6.0-6.5N	6-6.5	6	7.1	1.1	1.5	D-9/D-10/D-11	-3.9
P-SB-3	5/17/2007	20070517P-SB-3V8.0-8.5N	8-8.5	8	7.1	-0.9	8.1	D-9/D-10/D-11	-3.9
P-SB-3	5/17/2007	20070517P-SB-3V10.0-10.5N	10-10.5	10	7.1	-2.9	1.4	D-9/D-10/D-11	-3.9
P-SB-3	5/17/2007	20070517P-SB-3V12.0-12.5N	12-12.5	12	7.1	-4.9	6.3	D-9/D-10/D-11	-3.9
P-SB-3	5/17/2007	20070517P-SB-3V14.0-14.5FD	14-14.5	14	7.1	-6.9	3.2	D-9/D-10/D-11	-3.9
P-SB-3	5/17/2007	20070517P-SB-3V14.0-14.5N	14-14.5	14	7.1	-6.9	2.7	D-9/D-10/D-11	-3.9
P-SB-3	5/17/2007	20070517P-SB-3V16.0-16.5N	16-16.5	16	7.1	-8.9	2.4	D-9/D-10/D-11	-3.9
P-SB-3	5/17/2007	20070517P-SB-3V18.0-18.5N	18-18.5	18	7.1	-10.9	1.2	D-9/D-10/D-11	-3.9
P-SB-3	5/17/2007	20070517P-SB-3V20.0-20.5N	20-20.5	20	7.1	-12.9	0.17	D-9/D-10/D-11	-3.9
P-SB-3	5/17/2007	20070517P-SB-3V22.0-22.5N	22-22.5	22	7.1	-14.9	0.17	D-9/D-10/D-11	-3.9
P-SB-3	5/17/2007	20070517P-SB-3V24.0-24.5N	24-24.5	24	7.1	-16.9	1.6 J	D-9/D-10/D-11	-3.9
P-SB-3	5/17/2007	20070517P-SB-3V26.0-26.5N	26-26.5	26	7.1	-18.9	0.85	D-9/D-10/D-11	-3.9
P-SB-3	5/17/2007	20070517P-SB-3V28.0-28.5FD	28-28.5	28	7.1	-20.9	0.9	D-9/D-10/D-11	-3.9
P-SB-3	5/17/2007	20070517P-SB-3V28.0-28.5N	28-28.5	28	7.1	-20.9	0.78	D-9/D-10/D-11	-3.9
P-SB-3	5/17/2007	20070517P-SB-3V30.0-30.5N	30-30.5	30	7.1	-22.9	0.7	D-9/D-10/D-11	-3.9
P-SB-3	5/17/2007	20070517P-SB-3V32.0-32.5N	32-32.5	32	7.1	-24.9	0.71	D-9/D-10/D-11	-3.9
P-SB-D11	10/18/2007	20071018P-SB-D11V0.0-0.5N	0-0.5	0	5.0	5.0	371	D-18	0.3
P-SB-D11	10/18/2007	20071018P-SB-D11V1.0-1.5N	1-1.5	1	5.0	4.0	1540	D-18	0.3
P-SB-D11	10/18/2007	20071018P-SB-D11V2.0-2.5N	2-2.5	2	5.0	3.0	599	D-18	0.3
P-SB-D11	10/18/2007	20071018P-SB-D11V3.0-3.5N	3-3.5	3	5.0	2.0	778	D-18	0.3
P-SB-D11	10/18/2007	20071018P-SB-D11V4.0-4.5N	4-4.5	4	5.0	1.0	555	D-18	0.3
P-SB-D11	10/18/2007	20071018P-SB-D11V6.0-6.5N	7.0-7.5	7	5.0	-2.0	516	D-18	0.3
P-SB-D11	10/18/2007	20071018P-SB-D11V8.0-8.5N	9.0-9.5	9	5.0	-4.0	345	D-18	0.3
P-SB-D11	10/18/2007	20071018P-SB-D11V9.0-9.5N	10.0-10.5	10	5.0	-5.0	10.2	D-18	0.3
P-SB-D13	4/14/2007	20070414P-SB-D13V0.5-1.0N	0.5-1	0.5	5.5	5.0	1040 J	D-8/D-9	-2.5
P-SB-D13	4/14/2007	20070414P-SB-D13V2.5-3.0N	2.5-3	2.5	5.5	3.0	124 J	D-8/D-9	-2.5
P-SB-D13	4/14/2007	20070414P-SB-D13V4.5-5.0FD	4.5-5	4.5	5.5	1.0	46.9 J	D-8/D-9	-2.5
P-SB-D13	4/14/2007	20070414P-SB-D13V4.5-5.0N	4.5-5	4.5	5.5	1.0	30.4 J	D-8/D-9	-2.5
P-SB-D13	4/14/2007	20070414P-SB-D13V6.5-7.0N	6.5-7	6.5	5.5	-1.0	13.2 J	D-8/D-9	-2.5
P-SB-D13	4/14/2007	20070414P-SB-D13V8.5-9.0N	8.5-9	8.5	5.5	-3.0	38 J	D-8/D-9	-2.5
P-SB-D13	4/14/2007	20070414P-SB-D13V10.5-11.0N	10.5-11	10.5	5.5	-5.0	77.8 J	D-8/D-9	-2.5
P-SB-D13	4/14/2007	20070414P-SB-D13V12.5-13.0N	12.5-13	12.5	5.5	-7.0	9.7 J	D-8/D-9	-2.5
P-SB-D14	4/6/2007	20070406P-SB-D14V0.5-1.0N	0.5-1	0.5	5.5	5.0	869	D-9	-2.5
P-SB-D14	4/6/2007	20070406P-SB-D14V6.0-6.5N	6-6.5	6	5.5	-0.5	1050	D-9	-2.5

Table 3-5 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area D
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-D14	4/6/2007	20070406P-SB-D14V8.0-8.5N	8-8.5	8	5.5	-2.5	41.1	D-9	-2.5
P-SB-D15	4/6/2007	20070406P-SB-D15V0.5-1.0N	0.5-1	0.5	5.9	5.4	31	D-9/D-11/D-13	-2.5
P-SB-D15	4/6/2007	20070406P-SB-D15V2.5-3.0N	2.5-3	2.5	5.9	3.4	70.2	D-9/D-11/D-13	-2.5
P-SB-D15	4/6/2007	20070406P-SB-D15V4.5-5.0FD	4.5-5	4.5	5.9	1.4	0.24	D-9/D-11/D-13	-2.5
P-SB-D15	4/6/2007	20070406P-SB-D15V4.5-5.0N	4.5-5	4.5	5.9	1.4	0.31	D-9/D-11/D-13	-2.5
P-SB-D15	4/6/2007	20070406P-SB-D15V6.5-7.0N	6.5-7	6.5	5.9	-0.6	76.2	D-9/D-11/D-13	-2.5
P-SB-D15	4/6/2007	20070406P-SB-D15V8.5-9.0N	8.5-9	8.5	5.9	-2.6	0.1	D-9/D-11/D-13	-2.5
P-SB-D16	4/13/2007	20070413P-SB-D16V0.5-1.0N	0.5-1	0.5	5.9	5.4	972 J	D-13/D-14/D-15	-2.7
P-SB-D16	4/13/2007	20070413P-SB-D16V1.0-1.5N	1-1.5	1	5.9	4.9	694 J	D-13/D-14/D-15	-2.7
P-SB-D16	4/13/2007	20070413P-SB-D16V2.5-3.0FD	2.5-3	2.5	5.9	3.4	492 J	D-13/D-14/D-15	-2.7
P-SB-D16	4/13/2007	20070413P-SB-D16V2.5-3.0N	2.5-3	2.5	5.9	3.4	533 J	D-13/D-14/D-15	-2.7
P-SB-D16	4/13/2007	20070413P-SB-D16V4.5-5.0N	4.5-5	4.5	5.9	1.4	432 J	D-13/D-14/D-15	-2.7
P-SB-D16	4/13/2007	20070413P-SB-D16V6.5-7.0N	6.5-7	6.5	5.9	-0.6	23.6 J	D-13/D-14/D-15	-2.7
P-SB-D16	4/13/2007	20070413P-SB-D16V8.5-9.0N	8.5-9	8.5	5.9	-2.6	3.4 J	D-13/D-14/D-15	-2.7
P-SB-D17	4/13/2007	20070413P-SB-D17V0.5-1.0N	0.5-1	0.5	5.9	5.4	185 J	D-14/D-15	-2.7
P-SB-D17	4/13/2007	20070413P-SB-D17V2.5-3.0N	2.5-3	2.5	5.9	3.4	5100 J	D-14/D-15	-2.7
P-SB-D17	4/13/2007	20070413P-SB-D17V4.5-5.0N	4.5-5	4.5	5.9	1.4	1660 J	D-14/D-15	-2.7
P-SB-D17	4/13/2007	20070413P-SB-D17V6.5-7.0N	6.5-7	6.5	5.9	-0.6	209 J	D-14/D-15	-2.7
P-SB-D17	4/13/2007	20070413P-SB-D17V8.5-9.0N	8.5-9	8.5	5.9	-2.6	26.3 J	D-14/D-15	-2.7
P-SB-D2	3/31/2007	20070331P-SB-D2V0.5-1.0N	0.5-1	0.5	6.2	5.7	2750	D-3/D-5/D-16	-16.2
P-SB-D2	3/31/2007	20070331P-SB-D2V2.5-3.0N	2.5-3	2.5	6.2	3.7	9.6	D-3/D-5/D-16	-16.2
P-SB-D2	3/31/2007	20070331P-SB-D2V4.5-5.0N	4.5-5	4.5	6.2	1.7	1260	D-3/D-5/D-16	-16.2
P-SB-D2	3/31/2007	20070331P-SB-D2V6.5-7.0N	6.5-7	6.5	6.2	-0.3	109	D-3/D-5/D-16	-16.2
P-SB-D2	3/31/2007	20070331P-SB-D2V8.5-9.0FD	8.5-9	8.5	6.2	-2.3	140	D-3/D-5/D-16	-16.2
P-SB-D2	3/31/2007	20070331P-SB-D2V8.5-9.0N	8.5-9	8.5	6.2	-2.3	126	D-3/D-5/D-16	-16.2
P-SB-D20	10/18/2007	20071018P-SB-D20V0.0-0.5N	0-0.5	0	4.8	4.8	323	D-18	3.2
P-SB-D20	10/18/2007	20071018P-SB-D20V1.0-1.5N	1-1.5	1	4.8	3.8	1070	D-18	3.2
P-SB-D20	10/18/2007	20071018P-SB-D20V2.0-2.5N	2-2.5	2	4.8	2.8	0.83	D-18	3.2
P-SB-D20	10/18/2007	20071018P-SB-D20V4.0-4.5FD	4-4.5	4	4.8	0.8	0.76	D-18	3.2
P-SB-D20	10/18/2007	20071018P-SB-D20V4.0-4.5N	4-4.5	4	4.8	0.8	0.77	D-18	3.2
P-SB-D20	10/18/2007	20071018P-SB-D20V6.0-6.5N	6-6.5	6	4.8	-1.2	2.3	D-18	3.2
P-SB-D20	10/18/2007	20071018P-SB-D20V8.0-8.5N	8-8.5	8	4.8	-3.2	0.036 J	D-18	3.2
P-SB-D20	10/18/2007	20071018P-SB-D20V9.0-9.5N	9-9.5	9	4.8	-4.2	0.011 J	D-18	3.2
P-SB-D21	10/18/2007	20071018P-SB-D21V0.0-0.5N	0-0.5	0	4.7	4.7	121	D-19	-4.5
P-SB-D21	10/18/2007	20071018P-SB-D21V2.0-2.5N	2-2.5	2	4.7	2.7	884	D-19	-4.5
P-SB-D21	10/18/2007	20071018P-SB-D21V4.0-4.5N	4-4.5	4	4.7	0.7	54.9	D-19	-4.5
P-SB-D21	10/18/2007	20071018P-SB-D21V6.0-6.5N	6-6.5	6	4.7	-1.3	2.3	D-19	-4.5
P-SB-D21	10/18/2007	20071018P-SB-D21V9.0-9.5N	9-9.5	9	4.7	-4.3	0.47	D-19	-4.5
P-SB-D21	10/18/2007	20071018P-SB-D21V10.0-10.5N	10-10.5	10	4.7	-5.3	2.1	D-19	-4.5
P-SB-D22	4/14/2007	20070414P-SB-D22V0.5-1.0N	0.5-1	0.5	5	4.5	386 J	D-6	-0.2
P-SB-D22	4/14/2007	20070414P-SB-D22V2.0-2.5N	2-2.5	2	5	3.0	11.2	D-6	-0.2
P-SB-D22	4/14/2007	20070414P-SB-D22V4.0-4.5N	4-4.5	4	5	1.0	31.6	D-6	-0.2
P-SB-D22	4/14/2007	20070414P-SB-D22V6.0-6.5N	6-6.5	6	5	-1.0	12.7	D-6	-0.2
P-SB-D22	4/14/2007	20070414P-SB-D22V8.0-8.5N	8-8.5	8	5	-3.0	23.1	D-6	-0.2
P-SB-D22	4/14/2007	20070414P-SB-D22V10.0-10.5N	10-10.5	10	5	-5.0	20.9	D-6	-0.2
P-SB-D23	4/14/2007	20070414P-SB-D23V2.5-3.0N	2.5-3	2.5	5.3	2.8	5900 J	D-6	-0.8
P-SB-D23	4/14/2007	20070414P-SB-D23V4.5-5.0N	4.5-5	4.5	5.3	0.8	8040 J	D-6	-0.8
P-SB-D24	4/14/2007	20070414P-SB-D24V0.5-1.0N	0.5-1	0.5	6	5.5	10400 J	D-4/D-16/D-17	-23.9
P-SB-D24	4/14/2007	20070414P-SB-D24V2.5-3.0N	2.5-3	2.5	6	3.5	1120 J	D-4/D-16/D-17	-23.9
P-SB-D24	4/14/2007	20070414P-SB-D24V4.5-5.0N	4.5-5	4.5	6	1.5	4370 J	D-4/D-16/D-17	-23.9
P-SB-D24	4/14/2007	20070414P-SB-D24V6.5-7.0FD	6.5-7	6.5	6	-0.5	420 J	D-4/D-16/D-17	-23.9

Table 3-5 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area D
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-D24	4/14/2007	20070414P-SB-D24V6.5-7.0N	6.5-7	6.5	6	-0.5	438 J	D-4/D-16/D-17	-23.9
P-SB-D24	4/14/2007	20070414P-SB-D24V8.5-9.0N	8.5-9	8.5	6	-2.5	248 J	D-4/D-16/D-17	-23.9
P-SB-D24	4/14/2007	20070414P-SB-D24V10.5-11.0N	10.5-11	10.5	6	-4.5	678 J	D-4/D-16/D-17	-23.9
P-SB-D24	4/14/2007	20070414P-SB-D24V12.5-13.0N	12.5-13	12.5	6	-6.5	631 J	D-4/D-16/D-17	-23.9
P-SB-D24	4/14/2007	20070414P-SB-D24V14.5-15.0N	14.5-15	14.5	6	-8.5	496 J	D-4/D-16/D-17	-23.9
P-SB-D25	6/20/2007	20070620P-SB-D25V14.0-14.5N	14-14.5	14	5.9	-8.1	255 J	D-16	-16.2
P-SB-D25	7/17/2007	20070717P-SB-D25V16.0-16.5N	16-16.5	16	5.9	-10.1	321 J	D-16	-16.2
P-SB-D25	7/17/2007	20070717P-SB-D25V18.0-18.5N	18-18.5	18	5.9	-12.1	3720 J	D-16	-16.2
P-SB-D25	7/17/2007	20070717P-SB-D25V20.0-20.5N	20-20.5	20	5.9	-14.1	808 J	D-16	-16.2
P-SB-D25	7/17/2007	20070717P-SB-D25V22.0-22.5N	22-22.5	22	5.9	-16.1	253 J	D-16	-16.2
P-SB-D25	7/17/2007	20070717P-SB-D25V24.0-24.5N	24-24.5	24	5.9	-18.1	33.3 J	D-16	-16.2
P-SB-D25	7/17/2007	20070717P-SB-D25V26.0-26.5N	26-26.5	26	5.9	-20.1	12.2 J	D-16	-16.2
P-SB-D25	7/17/2007	20070717P-SB-D25V28.0-28.5N	28-28.5	28	5.9	-22.1	0.95 J	D-16	-16.2
P-SB-D25	7/17/2007	20070717P-SB-D25V30.0-30.5N	30-30.5	30	5.9	-24.1	264 J	D-16	-16.2
P-SB-D25	7/17/2007	20070717P-SB-D25V32.0-32.5N	32-32.5	32	5.9	-26.1	13 J	D-16	-16.2
P-SB-D25	7/17/2007	20070717P-SB-D25V33.0-33.5N	33-33.5	33	5.9	-27.1	19.6 J	D-16	-16.2
P-SB-D26	5/21/2007	20070521P-SB-D26V0.5-1.0N	0.5-1	0.5	6.3	5.8	44700	D-7/D-17	-14.4
P-SB-D26	5/21/2007	20070521P-SB-D26V2.0-2.5N	2-2.5	2	6.3	4.3	14900	D-7/D-17	-14.4
P-SB-D26	5/21/2007	20070521P-SB-D26V4.0-4.5N	4-4.5	4	6.3	2.3	526	D-7/D-17	-14.4
P-SB-D26	5/21/2007	20070521P-SB-D26V6.0-6.5FD	6-6.5	6	6.3	0.3	1370	D-7/D-17	-14.4
P-SB-D26	5/21/2007	20070521P-SB-D26V6.0-6.5N	6-6.5	6	6.3	0.3	1380	D-7/D-17	-14.4
P-SB-D26	5/21/2007	20070521P-SB-D26V8.0-8.5N	8-8.5	8	6.3	-1.7	398	D-7/D-17	-14.4
P-SB-D26	5/21/2007	20070521P-SB-D26V10.0-10.5N	10-10.5	10	6.3	-3.7	1110	D-7/D-17	-14.4
P-SB-D26	5/21/2007	20070521P-SB-D26V12.0-12.5N	12-12.5	12	6.3	-5.7	67.4	D-7/D-17	-14.4
P-SB-D26	5/21/2007	20070521P-SB-D26V13.0-13.5N	13-13.5	13	6.3	-6.7	10.1	D-7/D-17	-14.4
P-SB-D27	5/22/2007	20070522P-SB-D27V0.5-1.0FD	0.5-1	0.5	6.4	5.9	802 J	D-7/D-10	-3.9
P-SB-D27	5/22/2007	20070522P-SB-D27V0.5-1.0N	0.5-1	0.5	6.4	5.9	637 J	D-7/D-10	-3.9
P-SB-D27	5/22/2007	20070522P-SB-D27V2.0-2.5N	2-2.5	2	6.4	4.4	4800 J	D-7/D-10	-3.9
P-SB-D27	5/22/2007	20070522P-SB-D27V4.0-4.5N	4-4.5	4	6.4	2.4	4220 J	D-7/D-10	-3.9
P-SB-D27	5/22/2007	20070522P-SB-D27V6.0-6.5N	6-6.5	6	6.4	0.4	39.1 J	D-7/D-10	-3.9
P-SB-D27	5/22/2007	20070522P-SB-D27V8.0-8.5N	8-8.5	8	6.4	-1.6	680 J	D-7/D-10	-3.9
P-SB-D27	5/22/2007	20070522P-SB-D27V10.0-10.5N	10-10.5	10	6.4	-3.6	81.6 J	D-7/D-10	-3.9
P-SB-D27	5/22/2007	20070522P-SB-D27V11.0-11.5N	11-11.5	11	6.4	-4.6	5.1 J	D-7/D-10	-3.9
P-SB-D28	5/22/2007	20070522P-SB-D28V0.5-1.0N	0.5-1	0.5	6.7	6.2	240 J	D-10/D-12	-3.9
P-SB-D28	5/22/2007	20070522P-SB-D28V2.0-2.5N	2-2.5	2	6.7	4.7	754 J	D-10/D-12	-3.9
P-SB-D28	5/22/2007	20070522P-SB-D28V4.0-4.5N	4-4.5	4	6.7	2.7	14800 J	D-10/D-12	-3.9
P-SB-D28	5/22/2007	20070522P-SB-D28V6.0-6.5N	6-6.5	6	6.7	0.7	1610 J	D-10/D-12	-3.9
P-SB-D28	5/22/2007	20070522P-SB-D28V8.0-8.5N	8-8.5	8	6.7	-1.3	2860 J	D-10/D-12	-3.9
P-SB-D28	5/22/2007	20070522P-SB-D28V10.0-10.5N	10-10.5	10	6.7	-3.3	125 J	D-10/D-12	-3.9
P-SB-D28	5/22/2007	20070522P-SB-D28V12.0-12.5N	12-12.5	12	6.7	-5.3	60.6 J	D-10/D-12	-3.9
P-SB-D28	5/22/2007	20070522P-SB-D28V13.0-13.5N	13-13.5	13	6.7	-6.3	1.5 J	D-10/D-12	-3.9
P-SB-D3	3/31/2007	20070331P-SB-D3V0.5-1.0N	0.5-1	0.5	6.4	5.9	7310	D-4	-23.9
P-SB-D3	3/31/2007	20070331P-SB-D3V2.5-3.0N	2.5-3	2.5	6.4	3.9	3350	D-4	-23.9
P-SB-D3	3/31/2007	20070331P-SB-D3V4.5-5.0N	4.5-5	4.5	6.4	1.9	2380	D-4	-23.9
P-SB-D3	3/31/2007	20070331P-SB-D3V6.5-7.0N	6.5-7	6.5	6.4	-0.1	3470	D-4	-23.9
P-SB-D3	3/31/2007	20070331P-SB-D3V8.5-9.0N	8.5-9	8.5	6.4	-2.1	1110	D-4	-23.9
P-SB-D3	3/31/2007	20070331P-SB-D3V10.5-11.0N	10.5-11	10.5	6.4	-4.1	2660	D-4	-23.9
P-SB-D3	3/31/2007	20070331P-SB-D3V12.5-13.0N	12.5-13	12.5	6.4	-6.1	5510	D-4	-23.9
P-SB-D3	3/31/2007	20070331P-SB-D3V14.5-15.0N	14.5-15	14.5	6.4	-8.1	3890	D-4	-23.9
P-SB-D31	5/21/2007	20070521P-SB-D31V0.5-1.0N	0.5-1	0.5	6.7	6.2	1110	D-5/D-8/D-7/D-17	-16.1
P-SB-D31	5/21/2007	20070521P-SB-D31V2.0-2.5N	2-2.5	2	6.7	4.7	2260	D-5/D-8/D-7/D-17	-16.1

Table 3-5 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area D
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-D31	5/21/2007	20070521P-SB-D31V4.0-4.5N	4-4.5	4	6.7	2.7	547	D-5/D-8/D-7/D-17	-16.1
P-SB-D31	5/21/2007	20070521P-SB-D31V6.0-6.5N	6-6.5	6	6.7	0.7	370	D-5/D-8/D-7/D-17	-16.1
P-SB-D31	5/21/2007	20070521P-SB-D31V8.0-8.5N	8-8.5	8	6.7	-1.3	476	D-5/D-8/D-7/D-17	-16.1
P-SB-D31	5/21/2007	20070521P-SB-D31V10.0-10.5N	10-10.5	10	6.7	-3.3	294	D-5/D-8/D-7/D-17	-16.1
P-SB-D31	5/21/2007	20070521P-SB-D31V12.0-12.5FD	12-12.5	12	6.7	-5.3	89.1 J	D-5/D-8/D-7/D-17	-16.1
P-SB-D31	5/21/2007	20070521P-SB-D31V12.0-12.5N	12-12.5	12	6.7	-5.3	234 J	D-5/D-8/D-7/D-17	-16.1
P-SB-D31	5/21/2007	20070521P-SB-D31V16.0-16.5N	16-16.5	16	6.7	-9.3	293	D-5/D-8/D-7/D-17	-16.1
P-SB-D31	5/21/2007	20070521P-SB-D31V18.0-18.5N	18-18.5	18	6.7	-11.3	52.6	D-5/D-8/D-7/D-17	-16.1
P-SB-D31	5/21/2007	20070521P-SB-D31V20.0-20.5N	20-20.5	20	6.7	-13.3	14.5	D-5/D-8/D-7/D-17	-16.1
P-SB-D31	5/21/2007	20070521P-SB-D31V21.0-21.5N	21-21.5	21	6.7	-14.3	6.4	D-5/D-8/D-7/D-17	-16.1
P-SB-D32	5/23/2007	20070523P-SB-D32V0.5-1.0N	0.5-1	0.5	5.2	4.7	645 J	D-5/D-6/D-8/D-9	-10.2
P-SB-D32	5/23/2007	20070523P-SB-D32V2.0-2.5N	2-2.5	2	5.2	3.2	234 J	D-5/D-6/D-8/D-9	-10.2
P-SB-D32	5/23/2007	20070523P-SB-D32V4.0-4.5N	4-4.5	4	5.2	1.2	48.8 J	D-5/D-6/D-8/D-9	-10.2
P-SB-D32	5/23/2007	20070523P-SB-D32V6.0-6.5N	6-6.5	6	5.2	-0.8	54.1 J	D-5/D-6/D-8/D-9	-10.2
P-SB-D32	5/23/2007	20070523P-SB-D32V8.0-8.5N	8-8.5	8	5.2	-2.8	43.4 J	D-5/D-6/D-8/D-9	-10.2
P-SB-D32	5/23/2007	20070523P-SB-D32V10.0-10.5N	10-10.5	10	5.2	-4.8	49.3 J	D-5/D-6/D-8/D-9	-10.2
P-SB-D32	5/23/2007	20070523P-SB-D32V12.0-12.5N	12-12.5	12	5.2	-6.8	42.3 J	D-5/D-6/D-8/D-9	-10.2
P-SB-D32	5/23/2007	20070523P-SB-D32V14.0-14.5N	14-14.5	14	5.2	-8.8	24.6 J	D-5/D-6/D-8/D-9	-10.2
P-SB-D32	5/23/2007	20070523P-SB-D32V16.0-16.5N	16-16.5	16	5.2	-10.8	24.9 J	D-5/D-6/D-8/D-9	-10.2
P-SB-D32	5/23/2007	20070523P-SB-D32V18.0-18.5N	18-18.5	18	5.2	-12.8	9 J	D-5/D-6/D-8/D-9	-10.2
P-SB-D32	5/23/2007	20070523P-SB-D32V20.0-20.5N	20-20.5	20	5.2	-14.8	15.4 J	D-5/D-6/D-8/D-9	-10.2
P-SB-D32	5/23/2007	20070523P-SB-D32V22.0-22.5N	22-22.5	22	5.2	-16.8	12.6 J	D-5/D-6/D-8/D-9	-10.2
P-SB-D32	5/23/2007	20070523P-SB-D32V24.0-24.5N	24-24.5	24	5.2	-18.8	18.8 J	D-5/D-6/D-8/D-9	-10.2
P-SB-D32	5/23/2007	20070523P-SB-D32V26.0-26.5N	26-26.5	26	5.2	-20.8	1.4 J	D-5/D-6/D-8/D-9	-10.2
P-SB-D32	5/23/2007	20070523P-SB-D32V28.0-28.5N	28-28.5	28	5.2	-22.8	6.8 J	D-5/D-6/D-8/D-9	-10.2
P-SB-D32	5/23/2007	20070523P-SB-D32V29.0-29.5N	29-29.5	29	5.2	-23.8	0.18 J	D-5/D-6/D-8/D-9	-10.2
P-SB-D33	5/23/2007	20070523P-SB-D33V0.5-1.0N	0.5-1	0.5	5.2	4.7	1770	D-5/D-6	-10.2
P-SB-D33	5/23/2007	20070523P-SB-D33V2.0-2.5N	2-2.5	2	5.2	3.2	71.6	D-5/D-6	-10.2
P-SB-D33	5/23/2007	20070523P-SB-D33V4.0-4.5FD	4-4.5	4	5.2	1.2	73	D-5/D-6	-10.2
P-SB-D33	5/23/2007	20070523P-SB-D33V4.0-4.5N	4-4.5	4	5.2	1.2	91.5	D-5/D-6	-10.2
P-SB-D33	5/23/2007	20070523P-SB-D33V6.0-6.5N	6-6.5	6	5.2	-0.8	366	D-5/D-6	-10.2
P-SB-D33	5/23/2007	20070523P-SB-D33V8.0-8.5N	8-8.5	8	5.2	-2.8	10.2	D-5/D-6	-10.2
P-SB-D33	5/23/2007	20070523P-SB-D33V10.0-10.5N	10-10.5	10	5.2	-4.8	10.1	D-5/D-6	-10.2
P-SB-D33	5/23/2007	20070523P-SB-D33V12.0-12.5N	12-12.5	12	5.2	-6.8	13.9	D-5/D-6	-10.2
P-SB-D33	5/23/2007	20070523P-SB-D33V14.0-14.5N	14-14.5	14	5.2	-8.8	16.5	D-5/D-6	-10.2
P-SB-D33	5/23/2007	20070523P-SB-D33V16.0-16.5N	16-16.5	16	5.2	-10.8	13.9	D-5/D-6	-10.2
P-SB-D33	5/23/2007	20070523P-SB-D33V18.0-18.5N	18-18.5	18	5.2	-12.8	17.8	D-5/D-6	-10.2
P-SB-D33	5/23/2007	20070523P-SB-D33V20.0-20.5N	20-20.5	20	5.2	-14.8	7.4	D-5/D-6	-10.2
P-SB-D33	5/23/2007	20070523P-SB-D33V22.0-22.5N	22-22.5	22	5.2	-16.8	6	D-5/D-6	-10.2
P-SB-D33	5/23/2007	20070523P-SB-D33V24.0-24.5N	24-24.5	24	5.2	-18.8	1.2	D-5/D-6	-10.2
P-SB-D33	5/23/2007	20070523P-SB-D33V26.0-26.5N	26-26.5	26	5.2	-20.8	2	D-5/D-6	-10.2
P-SB-D33	5/23/2007	20070523P-SB-D33V28.0-28.5N	28-28.5	28	5.2	-22.8	0.083	D-5/D-6	-10.2
P-SB-D33	5/23/2007	20070523P-SB-D33V29.0-29.5N	29-29.5	29	5.2	-23.8	0.11	D-5/D-6	-10.2
P-SB-D34	7/12/2007	20070712P-SB-D34V12.0-12.5N	12-12.5	12	6.4	-5.6	831 J	D-4/D-5/D-16	-23.9
P-SB-D34	7/12/2007	20070712P-SB-D34V14.0-14.5N	14-14.5	14	6.4	-7.6	1060 J	D-4/D-5/D-16	-23.9
P-SB-D34	7/12/2007	20070712P-SB-D34V16.0-16.5N	16-16.5	16	6.4	-9.6	126 J	D-4/D-5/D-16	-23.9
P-SB-D34	7/12/2007	20070712P-SB-D34V18.0-18.5N	18-18.5	18	6.4	-11.6	37.7 J	D-4/D-5/D-16	-23.9
P-SB-D34	7/12/2007	20070712P-SB-D34V20.0-20.5N	20-20.5	20	6.4	-13.6	18.3 J	D-4/D-5/D-16	-23.9
P-SB-D34	7/12/2007	20070712P-SB-D34V22.0-22.5N	22-22.5	22	6.4	-15.6	8.6 J	D-4/D-5/D-16	-23.9
P-SB-D34	7/12/2007	20070712P-SB-D34V24.0-24.5N	24-24.5	24	6.4	-17.6	14.8 J	D-4/D-5/D-16	-23.9
P-SB-D34	7/12/2007	20070712P-SB-D34V26.0-26.5N	26-26.5	26	6.4	-19.6	18.8 J	D-4/D-5/D-16	-23.9

Table 3-5 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area D
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-D34	7/12/2007	20070712P-SB-D34V28.0-28.5N	28-28.5	28	6.4	-21.6	0.68 J	D-4/D-5/D-16	-23.9
P-SB-D34	7/12/2007	20070712P-SB-D34V30.0-30.5N	30-30.5	30	6.4	-23.6	4.7 J	D-4/D-5/D-16	-23.9
P-SB-D34	7/12/2007	20070712P-SB-D34V32.0-32.5N	32-32.5	32	6.4	-25.6	0.47 J	D-4/D-5/D-16	-23.9
P-SB-D34	7/12/2007	20070712P-SB-D34V33.0-33.5N	33-33.5	33	6.4	-26.6	0.086 J	D-4/D-5/D-16	-23.9
P-SB-D35	7/13/2007	20070713P-SB-D35V12.0-12.5N	12-12.5	12	6.6	-5.4	428 J	D-4/D-5/D-17	-23.9
P-SB-D35	7/13/2007	20070713P-SB-D35V14.0-14.5N	14-14.5	14	6.6	-7.4	316 J	D-4/D-5/D-17	-23.9
P-SB-D35	7/13/2007	20070713P-SB-D35V16.0-16.5N	16-16.5	16	6.6	-9.4	48.4 J	D-4/D-5/D-17	-23.9
P-SB-D35	7/13/2007	20070713P-SB-D35V18.0-18.5N	18-18.5	18	6.6	-11.4	7.1 J	D-4/D-5/D-17	-23.9
P-SB-D35	7/13/2007	20070713P-SB-D35V20.0-20.5N	20-20.5	20	6.6	-13.4	9.8 J	D-4/D-5/D-17	-23.9
P-SB-D35	7/13/2007	20070713P-SB-D35V22.0-22.5N	22-22.5	22	6.6	-15.4	5.8 J	D-4/D-5/D-17	-23.9
P-SB-D35	7/13/2007	20070713P-SB-D35V24.0-24.5N	24-24.5	24	6.6	-17.4	5.4 J	D-4/D-5/D-17	-23.9
P-SB-D35	7/13/2007	20070713P-SB-D35V26.0-26.5N	26-26.5	26	6.6	-19.4	155 J	D-4/D-5/D-17	-23.9
P-SB-D35	7/13/2007	20070713P-SB-D35V28.0-28.5N	28-28.5	28	6.6	-21.4	12.1 J	D-4/D-5/D-17	-23.9
P-SB-D35	7/13/2007	20070713P-SB-D35V30.0-30.5N	30-30.5	30	6.6	-23.4	40.1 J	D-4/D-5/D-17	-23.9
P-SB-D35	7/13/2007	20070713P-SB-D35V32.0-32.5N	32-32.5	32	6.6	-25.4	306 J	D-4/D-5/D-17	-23.9
P-SB-D35	7/13/2007	20070713P-SB-D35V33.0-33.5N	33-33.5	33	6.6	-26.4	1.4 J	D-4/D-5/D-17	-23.9
P-SB-D36	7/16/2007	20070716P-SB-D36V12.0-12.5N	12-12.5	12	6.1	-5.9	382 J	D-4/D-5	-23.9
P-SB-D36	7/16/2007	20070716P-SB-D36V14.0-14.5N	14-14.5	14	6.1	-7.9	800 J	D-4/D-5	-23.9
P-SB-D36	7/16/2007	20070716P-SB-D36V16.0-16.5N	16-16.5	16	6.1	-9.9	19.1 J	D-4/D-5	-23.9
P-SB-D36	7/16/2007	20070716P-SB-D36V18.0-18.5N	18-18.5	18	6.1	-11.9	10.3 J	D-4/D-5	-23.9
P-SB-D36	7/16/2007	20070716P-SB-D36V20.0-20.5N	20-20.5	20	6.1	-13.9	168 J	D-4/D-5	-23.9
P-SB-D36	7/16/2007	20070716P-SB-D36V22.0-22.5N	22-22.5	22	6.1	-15.9	91.5 J	D-4/D-5	-23.9
P-SB-D36	7/16/2007	20070716P-SB-D36V24.0-24.5N	24-24.5	24	6.1	-17.9	76 J	D-4/D-5	-23.9
P-SB-D36	7/16/2007	20070716P-SB-D36V26.0-26.5N	26-26.5	26	6.1	-19.9	4.9 J	D-4/D-5	-23.9
P-SB-D36	7/16/2007	20070716P-SB-D36V28.0-28.5N	28-28.5	28	6.1	-21.9	3.3 J	D-4/D-5	-23.9
P-SB-D36	7/16/2007	20070716P-SB-D36V30.0-30.5N	30-30.5	30	6.1	-23.9	121 J	D-4/D-5	-23.9
P-SB-D36	7/17/2007	20070717P-SB-D36V32.0-32.5N	32-32.5	32	6.1	-25.9	0.41 J	D-4/D-5	-23.9
P-SB-D36	7/17/2007	20070717P-SB-D36V33.0-33.5N	33-33.5	33	6.1	-26.9	0.41 J	D-4/D-5	-23.9
P-SB-D37	7/31/2007	20070731P-SB-D37V12.0-12.5N	12-12.5	12	6	-6.0	389	D-17	-16.1
P-SB-D37	7/31/2007	20070731P-SB-D37V14.0-14.5N	14-14.5	14	6	-8.0	531	D-17	-16.1
P-SB-D37	7/31/2007	20070731P-SB-D37V16.0-16.5FD	16-16.5	16	6	-10.0	797	D-17	-16.1
P-SB-D37	7/31/2007	20070731P-SB-D37V16.0-16.5N	16-16.5	16	6	-10.0	752	D-17	-16.1
P-SB-D37	7/31/2007	20070731P-SB-D37V18.0-18.5N	18-18.5	18	6	-12.0	22.7	D-17	-16.1
P-SB-D37	7/31/2007	20070731P-SB-D37V20.0-20.5N	20-20.5	20	6	-14.0	2090	D-17	-16.1
P-SB-D37	7/31/2007	20070731P-SB-D37V22.0-22.5N	22-22.5	22	6	-16.0	30.3	D-17	-16.1
P-SB-D37	7/31/2007	20070731P-SB-D37V25.0-25.5N	25-25.5	25	6	-19.0	7.6	D-17	-16.1
P-SB-D37	7/31/2007	20070731P-SB-D37V27.0-27.5N	27-27.5	27	6	-21.0	5.6	D-17	-16.1
P-SB-D37	7/31/2007	20070731P-SB-D37V29.0-29.5N	29-29.5	29	6	-23.0	15.8	D-17	-16.1
P-SB-D37	7/31/2007	20070731P-SB-D37V31.0-31.5N	31-31.5	31	6	-25.0	1.6	D-17	-16.1
P-SB-D37	7/31/2007	20070731P-SB-D37V32.0-32.5N	32-32.5	32	6	-26.0	0.42	D-17	-16.1
P-SB-D38	7/20/2007	20070720P-SB-D38V0.0-0.5N	0-0.5	0	5.9	5.9	248	D-16/D-18	-16.2
P-SB-D38	7/20/2007	20070720P-SB-D38V2.0-2.5FD	2-2.5	2	5.9	3.9	653	D-16/D-18	-16.2
P-SB-D38	7/20/2007	20070720P-SB-D38V2.0-2.5N	2-2.5	2	5.9	3.9	637	D-16/D-18	-16.2
P-SB-D38	7/20/2007	20070720P-SB-D38V5.0-5.5N	5-5.5	5	5.9	0.9	48.9	D-16/D-18	-16.2
P-SB-D38	7/20/2007	20070720P-SB-D38V7.0-7.5N	7-7.5	7	5.9	-1.1	3.2	D-16/D-18	-16.2
P-SB-D38	7/20/2007	20070720P-SB-D38V10.0-10.5N	10-10.5	10	5.9	-4.1	24.8	D-16/D-18	-16.2
P-SB-D38	7/20/2007	20070720P-SB-D38V12.0-12.5N	12-12.5	12	5.9	-6.1	2.4	D-16/D-18	-16.2
P-SB-D38	7/20/2007	20070720P-SB-D38V15.0-15.5N	15-15.5	15	5.9	-9.1	0.87	D-16/D-18	-16.2
P-SB-D38	7/20/2007	20070720P-SB-D38V17.0-17.5FD	17-17.5	17	5.9	-11.1	0.28	D-16/D-18	-16.2
P-SB-D38	7/20/2007	20070720P-SB-D38V17.0-17.5N	17-17.5	17	5.9	-11.1	0.3	D-16/D-18	-16.2
P-SB-D38	7/20/2007	20070720P-SB-D38V19.0-19.5N	19-19.5	19	5.9	-13.1	2	D-16/D-18	-16.2

Table 3-5 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area D
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-D38	7/20/2007	20070720P-SB-D38V21.0-21.5N	21-21.5	21	5.9	-15.1	0.27	D-16/D-18	-16.2
P-SB-D38	7/20/2007	20070720P-SB-D38V23.0-23.5N	23-23.5	23	5.9	-17.1	0.024 J	D-16/D-18	-16.2
P-SB-D38	7/20/2007	20070720P-SB-D38V25.0-25.5N	25-25.5	25	5.9	-19.1	0.11	D-16/D-18	-16.2
P-SB-D38	7/20/2007	20070720P-SB-D38V27.0-27.5N	27-27.5	27	5.9	-21.1	0.073	D-16/D-18	-16.2
P-SB-D38	7/20/2007	20070720P-SB-D38V29.0-29.5N	29-29.5	29	5.9	-23.1	0.42 U	D-16/D-18	-16.2
P-SB-D38	7/20/2007	20070720P-SB-D38V31.0-31.5N	31-31.5	31	5.9	-25.1	0.053	D-16/D-18	-16.2
P-SB-D38	7/20/2007	20070720P-SB-D38V32.0-32.5N	32-32.5	32	5.9	-26.1	0.066	D-16/D-18	-16.2
P-SB-D39	7/30/2007	20070730P-SB-D39V0.0-0.5N	0-0.5	0	6.9	6.9	76.5	D-14	-2.7
P-SB-D39	7/30/2007	20070730P-SB-D39V2.0-2.5N	2-2.5	2	6.9	4.9	183	D-14	-2.7
P-SB-D39	7/30/2007	20070730P-SB-D39V5.0-5.5N	5-5.5	5	6.9	1.9	710 J	D-14	-2.7
P-SB-D39	7/30/2007	20070730P-SB-D39V7.0-7.5N	7-7.5	7	6.9	-0.1	7.1	D-14	-2.7
P-SB-D39	7/30/2007	20070730P-SB-D39V10.0-10.5N	10-10.5	10	6.9	-3.1	0.082	D-14	-2.7
P-SB-D39	7/30/2007	20070730P-SB-D39V12.0-12.5N	12-12.5	12	6.9	-5.1	0.015 J	D-14	-2.7
P-SB-D39	7/30/2007	20070730P-SB-D39V13.0-13.5FD	13-13.5	13	6.9	-6.1	0.015 J	D-14	-2.7
P-SB-D39	7/30/2007	20070730P-SB-D39V13.0-13.5N	13-13.5	13	6.9	-6.1	0.013 J	D-14	-2.7
P-SB-D4	3/31/2007	20070331P-SB-D4V0.5-1.0FD	0.5-1	0.5	6.7	6.2	1200 J	D-7/D-8/D-9	-14.4
P-SB-D4	3/31/2007	20070331P-SB-D4V0.5-1.0N	0.5-1	0.5	6.7	6.2	1970 J	D-7/D-8/D-9	-14.4
P-SB-D4	3/31/2007	20070331P-SB-D4V2.0-2.5N	2-2.5	2	6.7	4.7	649	D-7/D-8/D-9	-14.4
P-SB-D4	3/31/2007	20070331P-SB-D4V4.0-4.5N	4-4.5	4	6.7	2.7	419	D-7/D-8/D-9	-14.4
P-SB-D4	3/31/2007	20070331P-SB-D4V7.0-7.5N	7-7.5	7	6.7	-0.3	147	D-7/D-8/D-9	-14.4
P-SB-D4	3/31/2007	20070331P-SB-D4V9.0-9.5N	9-9.5	9	6.7	-2.3	32.9	D-7/D-8/D-9	-14.4
P-SB-D4	3/31/2007	20070331P-SB-D4V11.0-11.5N	11-11.5	11	6.7	-4.3	8.1	D-7/D-8/D-9	-14.4
P-SB-D4	3/31/2007	20070331P-SB-D4V13.0-13.5N	13-13.5	13	6.7	-6.3	2.9	D-7/D-8/D-9	-14.4
P-SB-D40	7/30/2007	20070730P-SB-D40V0.0-0.5FD	0-0.5	0	6.7	6.7	305	D-14	-2.7
P-SB-D40	7/30/2007	20070730P-SB-D40V0.0-0.5N	0-0.5	0	6.7	6.7	361	D-14	-2.7
P-SB-D40	7/30/2007	20070730P-SB-D40V2.0-2.5N	2-2.5	2	6.7	4.7	52.5	D-14	-2.7
P-SB-D40	7/30/2007	20070730P-SB-D40V5.0-5.5N	5-5.5	5	6.7	1.7	202	D-14	-2.7
P-SB-D40	7/30/2007	20070730P-SB-D40V7.0-7.5N	7-7.5	7	6.7	-0.3	1.6	D-14	-2.7
P-SB-D40	7/30/2007	20070730P-SB-D40V10.0-10.5N	10-10.5	10	6.7	-3.3	26	D-14	-2.7
P-SB-D40	7/30/2007	20070730P-SB-D40V11.0-11.5N	11-11.5	11	6.7	-4.3	0.27	D-14	-2.7
P-SB-D41	7/30/2007	20070730P-SB-D41V0.0-0.5N	0-0.5	0	6.9	6.9	41.7	D-14/D-15	-2.7
P-SB-D41	7/30/2007	20070730P-SB-D41V2.0-2.5N	2-2.5	2	6.9	4.9	54.8	D-14/D-15	-2.7
P-SB-D41	7/30/2007	20070730P-SB-D41V5.0-5.5N	5-5.5	5	6.9	1.9	7.4	D-14/D-15	-2.7
P-SB-D41	7/30/2007	20070730P-SB-D41V7.0-7.5N	7-7.5	7	6.9	-0.1	1.9	D-14/D-15	-2.7
P-SB-D41	7/30/2007	20070730P-SB-D41V10.0-10.5N	10-10.5	10	6.9	-3.1	9.4	D-14/D-15	-2.7
P-SB-D41	7/30/2007	20070730P-SB-D41V11.0-11.5N	11-11.5	11	6.9	-4.1	2.1	D-14/D-15	-2.7
P-SB-D42	8/9/2007	20070809P-SB-D42V0.0-0.5N	0-0.5	0	5.9	5.9	1600 J	D-2/D-18	0.3
P-SB-D42	8/9/2007	20070809P-SB-D42V2.0-2.5N	2-2.5	2	5.9	3.9	641 J	D-2/D-18	0.3
P-SB-D42	8/9/2007	20070809P-SB-D42V4.0-4.5N	4-4.5	4	5.9	1.9	181 J	D-2/D-18	0.3
P-SB-D43	8/10/2007	20070810P-SB-D43V0.0-0.5N	0-0.5	0	7.2	7.2	51.2 J	D-14	-2.7
P-SB-D43	8/10/2007	20070810P-SB-D43V2.0-2.5N	2-2.5	2	7.2	5.2	105 J	D-14	-2.7
P-SB-D43	8/10/2007	20070810P-SB-D43V5.0-5.5N	5-5.5	5	7.2	2.2	34.6 J	D-14	-2.7
P-SB-D43	8/10/2007	20070810P-SB-D43V7.0-7.5N	7-7.5	7	7.2	0.2	0.12 R	D-14	-2.7
P-SB-D43	8/10/2007	20070810P-SB-D43V8.0-8.5N	8-8.5	8	7.2	-0.8	0.09 R	D-14	-2.7
P-SB-D44	8/10/2007	20070810P-SB-D44V0.0-0.5N	0-0.5	0	5.9	5.9	290 J	D-1	4
P-SB-D44	8/10/2007	20070810P-SB-D44V2.0-2.5N	2-2.5	2	5.9	3.9	41.3 J	D-1	4
P-SB-D44	8/10/2007	20070810P-SB-D44V3.0-3.5FD	3-3.5	3	5.9	2.9	0.54 J	D-1	4
P-SB-D44	8/10/2007	20070810P-SB-D44V3.0-3.5N	3-3.5	3	5.9	2.9	1.7 J	D-1	4
P-SB-D45	8/13/2007	20070813P-SB-D45V0.0-0.5FD	0-0.5	0	6.4	6.4	1170	D-2/D-18	0.3
P-SB-D45	8/13/2007	20070813P-SB-D45V0.0-0.5N	0-0.5	0	6.4	6.4	975	D-2/D-18	0.3
P-SB-D45	8/13/2007	20070813P-SB-D45V2.0-2.5N	2-2.5	2	6.4	4.4	192	D-2/D-18	0.3

Table 3-5 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area D
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-D45	8/13/2007	20070813P-SB-D45V3.0-3.5N	3-3.5	3	6.4	3.4	105	D-2/D-18	0.3
P-SB-D46	8/13/2007	20070813P-SB-D46V0.0-0.5N	0-0.5	0	6.5	6.5	1180	D-2/D-18	0.3
P-SB-D46	8/13/2007	20070813P-SB-D46V2.0-2.5N	2-2.5	2	6.5	4.5	42.2	D-2/D-18	0.3
P-SB-D46	8/13/2007	20070813P-SB-D46V3.0-3.5N	3-3.5	3	6.5	3.5	1.9	D-2/D-18	0.3
P-SB-D47	8/13/2007	20070813P-SB-D47V0.0-0.5N	0-0.5	0	6	6.0	489	D-1/D-2	4
P-SB-D47	8/13/2007	20070813P-SB-D47V2.0-2.5N	2-2.5	2	6	4.0	41.6	D-1/D-2	4
P-SB-D47	8/13/2007	20070813P-SB-D47V3.0-3.5N	3-3.5	3	6	3.0	11.8	D-1/D-2	4
P-SB-D48	8/13/2007	20070813P-SB-D48V0.0-0.5N	0-0.5	0	6.6	6.6	566	D-1/D-2/D-18	0.3
P-SB-D48	8/13/2007	20070813P-SB-D48V2.0-2.5N	2-2.5	2	6.6	4.6	22.6	D-1/D-2/D-18	0.3
P-SB-D48	8/13/2007	20070813P-SB-D48V3.0-3.5N	3-3.5	3	6.6	3.6	8.2	D-1/D-2/D-18	0.3
P-SB-D49	8/13/2007	20070813P-SB-D49V0.0-0.5N	0-0.5	0	6	6.0	614	D-1	4
P-SB-D49	8/13/2007	20070813P-SB-D49V2.0-2.5N	2-2.5	2	6	4.0	36.3	D-1	4
P-SB-D49	8/13/2007	20070813P-SB-D49V3.0-3.5N	3-3.5	3	6	3.0	43.2	D-1	4
P-SB-D5	4/1/2007	20070401P-SB-D5V0.5-1.0N	0.5-1	0.5	6.8	6.3	831	D-9/D-10/D-11	-3.9
P-SB-D5	4/1/2007	20070401P-SB-D5V2.0-2.5N	2-2.5	2	6.8	4.8	2490	D-9/D-10/D-11	-3.9
P-SB-D5	4/1/2007	20070401P-SB-D5V4.0-4.5N	4-4.5	4	6.8	2.8	818	D-9/D-10/D-11	-3.9
P-SB-D5	4/1/2007	20070401P-SB-D5V5.0-5.5N	5-5.5	5	6.8	1.8	182	D-9/D-10/D-11	-3.9
P-SB-D5	4/1/2007	20070401P-SB-D5V7.0-7.5N	7-7.5	7	6.8	-0.2	34.8	D-9/D-10/D-11	-3.9
P-SB-D5	4/1/2007	20070401P-SB-D5V9.0-9.5N	9-9.5	9	6.8	-2.2	197	D-9/D-9/D-10	-3.9
P-SB-D50	8/13/2007	20070813P-SB-D50V0.0-0.5FD	0-0.5	0	6.6	6.6	417 J	D-1/D-18	0.3
P-SB-D50	8/13/2007	20070813P-SB-D50V0.0-0.5N	0-0.5	0	6.6	6.6	193 J	D-1/D-18	0.3
P-SB-D50	8/13/2007	20070813P-SB-D50V2.0-2.5N	2-2.5	2	6.6	4.6	0.028 J	D-1/D-18	0.3
P-SB-D50	8/13/2007	20070813P-SB-D50V3.0-3.5N	3-3.5	3	6.6	3.6	0.019 J	D-1/D-18	0.3
P-SB-D51	8/13/2007	20070813P-SB-D51V0.0-0.5N	0-0.5	0	6.6	6.6	632	D-1/D-18	0.3
P-SB-D51	8/13/2007	20070813P-SB-D51V2.0-2.5N	2-2.5	2	6.6	4.6	17.8	D-1/D-18	0.3
P-SB-D51	8/13/2007	20070813P-SB-D51V3.0-3.5N	3-3.5	3	6.6	3.6	16.5	D-1/D-18	0.3
P-SB-D52	8/13/2007	20070813P-SB-D52V0.0-0.5N	0-0.5	0	5.9	5.9	9.2	D-1	0.3
P-SB-D52	8/13/2007	20070813P-SB-D52V2.0-2.5N	2-2.5	2	5.9	3.9	0.033 J	D-1	0.3
P-SB-D52	8/13/2007	20070813P-SB-D52V3.0-3.5N	3-3.5	3	5.9	2.9	0.14	D-1	0.3
P-SB-D53	10/24/2007	20071024P-SB-D53V9.0-9.5N	9-9.5	9	5.0	-4.0	0.019 J	D-6/D-19	-4.5
P-SB-D54	10/24/2007	20071024P-SB-D54V9.0-9.5N	9-9.5	9	5.0	-4.0	2.1	D-18/D-19	-4.5
P-SB-D55	10/30/2007	20071030P-SB-D55V9.0-9.5N	10-10.5	10	5.1	-4.9	0.58	D-18/D-19	-4.5
P-SB-D56	10/29/2007	20071029P-SB-D56V0.0-0.5N	0-0.5	0	4.8	4.8	2080	D-19/D-20	-4.5
P-SB-D56	10/29/2007	20071029P-SB-D56V1.0-1.5N	1-1.5	1	4.8	3.8	0.16 J	D-19/D-20	-4.5
P-SB-D56	10/29/2007	20071029P-SB-D56V2.0-2.5N	4.0-4.5	4	4.8	0.8	10.9	D-19/D-20	-4.5
P-SB-D56	10/29/2007	20071029P-SB-D56V4.0-4.5N	6.0-6.5	6	4.8	-1.2	1.5	D-19/D-20	-4.5
P-SB-D56	10/29/2007	20071029P-SB-D56V6.0-6.5N	8.0-8.5	8	4.8	-3.2	1.9	D-19/D-20	-4.5
P-SB-D56	10/29/2007	20071029P-SB-D56V8.0-8.5N	10.0-10.5	10	4.8	-5.2	0.017 J	D-19/D-20	-4.5
P-SB-D56	10/29/2007	20071029P-SB-D56V9.0-9.5N	11-11.5	11	4.8	-6.2	0.053	D-19/D-20	-4.5
P-SB-D57	10/25/2007	20071025P-SB-D57V0.0-0.5N	0-0.5	0	5.2	5.2	318 J	D-18	0.3
P-SB-D57	10/25/2007	20071025P-SB-D57V2.0-2.5N	2-2.5	2	5.2	3.2	541 J	D-18	0.3
P-SB-D57	10/25/2007	20071025P-SB-D57V4.0-4.5N	4-4.5	4	5.2	1.2	236 J	D-18	0.3
P-SB-D57	10/25/2007	20071025P-SB-D57V6.0-6.5N	7.0-7.5	7	5.2	-1.8	254 J	D-18	0.3
P-SB-D57	10/25/2007	20071025P-SB-D57V8.0-8.5N	9.0-9.5	9	5.2	-3.8	116 J	D-18	0.3
P-SB-D57	10/25/2007	20071025P-SB-D57V9.0-9.5N	10.0-10.5	10	5.2	-4.8	3.9 J	D-18	0.3
P-SB-D58	10/25/2007	20071025P-SB-D58V0.0-0.5FD	0-0.5	0	4.8	4.8	151 J	D-18	0.3
P-SB-D58	10/25/2007	20071025P-SB-D58V0.0-0.5N	0-0.5	0	4.8	4.8	135 J	D-18	0.3
P-SB-D58	10/25/2007	20071025P-SB-D58V2.0-2.5N	2-2.5	2	4.8	2.8	0.055 J	D-18	0.3
P-SB-D58	10/25/2007	20071025P-SB-D58V4.0-4.5N	5.0-5.5	5	4.8	-0.2	2 J	D-18	0.3
P-SB-D58	10/25/2007	20071025P-SB-D58V6.0-6.5N	7.0-7.5	7	4.8	-2.2	0.026 J	D-18	0.3
P-SB-D58	10/25/2007	20071025P-SB-D58V8.0-8.5N	9.0-9.5	9	4.8	-4.2	0.057 J	D-18	0.3

Table 3-5 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area D
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-D58	10/25/2007	20071025P-SB-D58V9.0-9.5N	10.0-10.5	10	4.8	-5.2	0.13 J	D-18	0.3
P-SB-D59	10/30/2007	20071030P-SB-D59V9.0-9.5N	12.0-12.5	12	4.9	-7.1	411	D-18/D-19	-4.5
P-SB-D6	4/1/2007	20070401P-SB-D6V0.5-1.0N	0.5-1	0.5	7.1	6.6	706	D-18	0.3
P-SB-D6	4/1/2007	20070401P-SB-D6V2.0-2.5N	2-2.5	2	7.1	5.1	135	D-18	0.3
P-SB-D6	4/1/2007	20070401P-SB-D6V4.0-4.5N	4-4.5	4	7.1	3.1	13.7	D-18	0.3
P-SB-D6	4/1/2007	20070401P-SB-D6V5.0-5.5FD	5-5.5	5	7.1	2.1	10.6	D-18	0.3
P-SB-D6	4/1/2007	20070401P-SB-D6V5.0-5.5N	5-5.5	5	7.1	2.1	9.3	D-18	0.3
P-SB-D6	4/1/2007	20070401P-SB-D6V7.0-7.5N	7-7.5	7	7.1	0.1	0.87	D-18	0.3
P-SB-D6	4/1/2007	20070401P-SB-D6V9.0-9.5N	9-9.5	9	7.1	-1.9	7.2	D-18	0.3
P-SB-D60	10/29/2007	20071029P-SB-D60V0.0-0.5FD	0-0.5	0	5.5	5.5	531	D-3/D-18	-0.5
P-SB-D60	10/29/2007	20071029P-SB-D60V0.0-0.5N	0-0.5	0	5.5	5.5	492	D-3/D-18	-0.5
P-SB-D60	10/29/2007	20071029P-SB-D60V2.0-2.5N	2-2.5	2	5.5	3.5	72.4	D-3/D-18	-0.5
P-SB-D60	10/29/2007	20071029P-SB-D60V4.0-4.5N	4-4.5	4	5.5	1.5	1.8	D-3/D-18	-0.5
P-SB-D60	10/29/2007	20071029P-SB-D60V6.0-6.5N	6-6.5	6	5.5	-0.5	55.1	D-3/D-18	-0.5
P-SB-D60	10/29/2007	20071029P-SB-D60V8.0-8.5N	8-8.5	8	5.5	-2.5	136	D-3/D-18	-0.5
P-SB-D60	10/29/2007	20071029P-SB-D60V9.0-9.5N	9-9.5	9	5.5	-3.5	36.5	D-3/D-18	-0.5
P-SB-D61	10/29/2007	20071029P-SB-D61V9.0-9.5N	9-9.5	9	5.4	-3.6	0.03 J	D-5/D-6/D-19	-10.2
P-SB-D7	4/6/2007	20070406P-SB-D7V0.5-1.0N	0.5-1	0.5	7.2	6.7	448	D-12/D-13/D-14	-6
P-SB-D7	4/6/2007	20070406P-SB-D7V2.5-3.0N	2.5-3	2.5	7.2	4.7	424	D-12/D-13/D-14	-6
P-SB-D7	4/6/2007	20070406P-SB-D7V4.5-5.0N	4.5-5	4.5	7.2	2.7	569	D-12/D-13/D-14	-6
P-SB-D7	4/6/2007	20070406P-SB-D7V6.5-7.0N	6.5-7	6.5	7.2	0.7	28.6	D-12/D-13/D-14	-6
P-SB-D7	4/6/2007	20070406P-SB-D7V8.5-9.0N	8.5-9	8.5	7.2	-1.3	100	D-12/D-13/D-14	-6
P-SB-D8	3/30/2007	20070330P-SB-D8V0.5-1.0N	0.5-1	0.5	7.1	6.6	395	D-14	-2.7
P-SB-D8	3/30/2007	20070330P-SB-D8V2.5-3.0N	2.5-3	2.5	7.1	4.6	84.4	D-14	-2.7
P-SB-D8	3/30/2007	20070330P-SB-D8V4.5-5.0N	4.5-5	4.5	7.1	2.6	781	D-14	-2.7
P-SB-D8	3/30/2007	20070330P-SB-D8V6.5-7.0N	6.5-7	6.5	7.1	0.6	309	D-14	-2.7
P-SB-D8	3/30/2007	20070330P-SB-D8V8.5-9.0FD	8.5-9	8.5	7.1	-1.4	713 J	D-14	-2.7
P-SB-D8	3/30/2007	20070330P-SB-D8V8.5-9.0N	8.5-9	8.5	7.1	-1.4	458 J	D-14	-2.7
P-SB-D8	3/30/2007	20070330P-SB-D8V9.5-10.0N	9.5-10	9.5	7.1	-2.4	3.4	D-14	-2.7
P-SB-I70	6/11/2007	20070611P-SB-I70V0.0-0.5N	0-0.5	0	5.9	5.9	53.8	D-15	-0.8
P-SB-I70	6/11/2007	20070611P-SB-I70V1.0-1.5N	1-1.5	1	5.9	4.9	268	D-15	-0.8
P-SB-I70	6/11/2007	20070611P-SB-I70V3.0-3.5N	3-3.5	3	5.9	2.9	1.6	D-15	-0.8
P-SB-I70	6/11/2007	20070611P-SB-I70V5.0-5.5N	5-5.5	5	5.9	0.9	24.9	D-15	-0.8

[1]Where sample point is shared by multiple excavation subareas, the depth of the sample > 620 mg/kg mercury was always taken to the lowest excavation elevation as defined in the construction drawings. See excavation as-builts.

Indicates a result greater than 620 mg/kg

Table 3-6 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area DL-1
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Bottom of Excavation Elevation (ft.)
P-SB-DL3	7/24/2007	20070724P-SB-DL3V0.0-0.5N	0-0.5	0	8.4	8.4	134	6
P-SB-DL3	7/24/2007	20070724P-SB-DL3V5.0-5.5N	5-5.5	5	8.4	3.4	78.6	6
P-SB-DL3	7/24/2007	20070724P-SB-DL3V7.0-7.5N	7-7.5	7	8.4	1.4	17.8	6
P-SB-DL3	7/24/2007	20070724P-SB-DL3V9.0-9.5N	9-9.5	9	8.4	-0.6	0.11	6
P-SB-DL3	7/24/2007	20070724P-SB-DL3V11.0-11.5N	11-11.5	11	8.4	-2.6	0.16	6
P-SB-DL3	7/24/2007	20070724P-SB-DL3V12.0-12.5N	12-12.5	12	8.4	-3.6	0.03 J	6
P-SB-DL4	7/25/2007	20070725P-SB-DL4V0.0-0.5N	0-0.5	0	8.1	8.1	1420	6
P-SB-DL4	7/25/2007	20070725P-SB-DL4V2.0-2.5N	2-2.5	2	8.1	6.1	25.7	6
P-SB-DL4	7/25/2007	20070725P-SB-DL4V5.0-5.5FD	5-5.5	5	8.1	3.1	71.1	6
P-SB-DL4	7/25/2007	20070725P-SB-DL4V5.0-5.5N	5-5.5	5	8.1	3.1	71.7	6
P-SB-DL4	7/25/2007	20070725P-SB-DL4V7.0-7.5N	7-7.5	7	8.1	1.1	2.1	6
P-SB-DL4	7/25/2007	20070725P-SB-DL4V9.0-9.5N	9-9.5	9	8.1	-0.9	0.029 J	6
P-SB-DL4	7/25/2007	20070725P-SB-DL4V12.0-12.5N	12-12.5	12	8.1	-3.9	0.16	6
P-SB-DL4	7/25/2007	20070725P-SB-DL4V13.0-13.5N	13-13.5	13	8.1	-4.9	0.031 J	6
P-SB-DL15	3/6/2009	PSBDL15-0.0-0.5	0-.5	0.0	6.5	6.5	16	6
P-SB-DL16	3/6/2009	PSBDL16-0.8-1.3	0.8-1.3	0.8	7.9	7.1	7	6
P-SB-DL18	3/6/2009	PSBDL18-0.0-0.5	0-.5	0.0	9.3	9.3	58	6
P-SB-DL18	3/6/2009	PSBDL18-2.2-2.7	2.2-2.7	2.2	9.3	7.1	61	6

Indicates a result greater than 620 mg/kg

Table 3-7 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area DL-2
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Bottom of Excavation Elevation (ft.)
P-SB-DL7	7/27/2007	20070727P-SB-DL7V3.0-3.5N	3-3.5	3	10	7.0	3.2	6.9
P-SB-DL7	7/27/2007	20070727P-SB-DL7V6.0-6.5N	6-6.5	6	10	4.0	516 J	6.9
P-SB-DL7	7/27/2007	20070727P-SB-DL7V8.0-8.5N	8-8.5	8	10	2.0	1.4	6.9
P-SB-DL7	7/27/2007	20070727P-SB-DL7V9.0-9.5N	9-9.5	9	10	1.0	0.073	6.9
P-SB-DL10	8/7/2007	20070807P-SB-DL10V0.0-0.5N	0-0.5	0	9.6	9.6	177	6.9
P-SB-DL10	8/7/2007	20070807P-SB-DL10V2.0-2.5N	2-2.5	2	9.6	7.6	22.8	6.9
P-SB-DL10	8/7/2007	20070807P-SB-DL10V3.0-3.5N	3-3.5	3	9.6	6.6	281	6.9
P-SB-DL11	8/7/2007	20070807P-SB-DL11V0.0-0.5N	0-0.5	0	10.2	10.2	282	6.9
P-SB-DL11	8/7/2007	20070807P-SB-DL11V2.0-2.5N	2-2.5	2	10.2	8.2	1.5	6.9
P-SB-DL11	8/7/2007	20070807P-SB-DL11V3.0-3.5N	3-3.5	3	10.2	7.2	0.8	6.9
P-SB-DL12	8/7/2007	20070807P-SB-DL12V0.0-0.5FD	0-0.5	0	10.4	10.4	121	6.9
P-SB-DL12	8/7/2007	20070807P-SB-DL12V0.0-0.5N	0-0.5	0	10.4	10.4	131	6.9
P-SB-DL12	8/7/2007	20070807P-SB-DL12V2.0-2.5N	2-2.5	2	10.4	8.4	659	6.9
P-SB-DL12	8/7/2007	20070807P-SB-DL12V3.0-3.5N	3-3.5	3	10.4	7.4	2.9	6.9
P-SB-DL12	8/7/2007	20070807P-SB-DL12V4.0-4.5N	4-4.5	4	10.4	6.4	34.5	6.9
P-SB-DL13	8/7/2007	20070807P-SB-DL13V0.0-0.5N	0-0.5	0	9.7	9.7	427	6.9
P-SB-DL13	8/7/2007	20070807P-SB-DL13V1.0-1.5N	1-1.5	1	9.7	8.7	698	6.9
P-SB-DL13	8/7/2007	20070807P-SB-DL13V2.0-2.5N	2-2.5	2	9.7	7.7	14.1	6.9
P-SB-DL13	8/7/2007	20070807P-SB-DL13V3.0-3.5N	3-3.5	3	9.7	6.7	182	6.9
P-SB-DL14	Hg Concentration based on XRF Testing in the fie		0-0.5	0	11.2	11.2	87±13	6.9
P-SB-DL14	Hg Concentration based on XRF Testing in the fie		1-1.5	1	11.2	10.2	<20	6.9
P-SB-DL14	Hg Concentration based on XRF Testing in the fie		2-2.5	2	11.2	9.2	<20	6.9
P-SB-DL14	Hg Concentration based on XRF Testing in the fie		3-3.5	3	11.2	8.2	<23	6.9
P-SB-DL14	Hg Concentration based on XRF Testing in the fie		4-4.5	4	11.2	7.2	<33	6.9
P-SB-E69	7/10/2007	20070710P-SB-E69V0.0-0.5N	0-0.5	0	9.7	9.7	24.8	6.9
P-SB-E69	7/10/2007	20070710P-SB-E69V2.0-2.5N	2-2.5	2	9.7	7.7	219	6.9
P-SB-E69	7/10/2007	20070710P-SB-E69V5.0-5.5N	5-5.5	5	9.7	4.7	383	6.9
P-SB-E69	7/10/2007	20070710P-SB-E69V7.0-7.5N	7-7.5	7	9.7	2.7	94.7	6.9
P-SB-E69	7/10/2007	20070710P-SB-E69V10.0-10.5N	10-10.5	10	9.7	-0.3	373	6.9
P-SB-E69	7/10/2007	20070710P-SB-E69V12.0-12.5FD	12-12.5	12	9.7	-2.3	0.065	6.9
P-SB-E69	7/10/2007	20070710P-SB-E69V12.0-12.5N	12-12.5	12	9.7	-2.3	0.02 J	6.9
P-SB-E69	7/10/2007	20070710P-SB-E69V13.0-13.5N	13-13.5	13	9.7	-3.3	0.015 J	6.9

Indicates a result greater than 620 mg/kg

Table 3-8 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area E
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-E1	3/12/2007	20070312P-SB-E1V0.0-0.5N	0-0.5	0	10.39	10.4	4070	E-1	0.1
P-SB-E1	3/12/2007	20070312P-SB-E1V2.0-2.5N	2-2.5	2	10.39	8.4	6980	E-1	0.1
P-SB-E1	3/12/2007	20070312P-SB-E1V4.0-4.5N	4-4.5	4	10.39	6.4	1140	E-1	0.1
P-SB-E1	3/12/2007	20070312P-SB-E1V6.0-6.5N	6-6.5	6	10.39	4.4	12.2	E-1	0.1
P-SB-E1	3/12/2007	20070312P-SB-E1V8.0-8.5N	8-8.5	8	10.39	2.4	3370	E-1	0.1
P-SB-E1	3/12/2007	20070312P-SB-E1V10.0-10.5N	10-10.5	10	10.39	0.4	65.6	E-1	0.1
P-SB-E10	3/27/2007	20070327P-SB-E10V0.0-0.5N	0-0.5	0	11	11.0	42.2	E-2/E-3/E-4/E-5	-4
P-SB-E10	3/27/2007	20070327P-SB-E10V2.0-2.5N	2-2.5	2	11	9.0	71.1	E-2/E-3/E-4/E-5	-4
P-SB-E10	3/27/2007	20070327P-SB-E10V4.0-4.5N	4-4.5	4	11	7.0	171	E-2/E-3/E-4/E-5	-4
P-SB-E10	3/27/2007	20070327P-SB-E10V6.0-6.5N	6-6.5	6	11	5.0	19.2	E-2/E-3/E-4/E-5	-4
P-SB-E10	3/27/2007	20070327P-SB-E10V8.0-8.5N	8-8.5	8	11	3.0	146	E-2/E-3/E-4/E-5	-4
P-SB-E10	3/27/2007	20070327P-SB-E10V10.0-10.5N	10-10.5	10	11	1.0	245	E-2/E-3/E-4/E-5	-4
P-SB-E100	2/27/2009	PSBE100-0.0-0.5	0.0	0.0	10.6	10.6	446.5	E-8/E-9	-2.3
P-SB-E100	2/27/2009	PSBE100-4.0-4.5	4.0	4.0	10.6	6.6	257	E-8/E-9	-2.3
P-SB-E100	2/27/2009	PSBE100-11.2-11.7	11.2	11.2	10.6	-0.6	26.5	E-8/E-9	-2.3
P-SB-E101	2/26/2009	PSBE101-0.0-0.5	0.0	0.0	11.2	11.2	51	E-8	-2.3
P-SB-E101	2/26/2009	PSBE101-2.0-2.5	2.0	2.0	11.2	9.2	14	E-8	-2.3
P-SB-E101	2/26/2009	PSBE101-4.0-4.5	4.0	4.0	11.2	7.2	14	E-8	-2.3
P-SB-E101	2/26/2009	PSBE101-11.5-12.0	11.5	11.5	11.2	-0.3	14	E-8	-2.3
P-SB-E102	2/26/2009	PSBE102-0.0-0.5	0.0	0.0	9.3	9.3	548	E-8/E-15	-2.3
P-SB-E103	2/26/2009	PSBE103-0.0-0.5	0.0	0.0	9.8	9.8	50.5	E-14/E-15	-2.3
P-SB-E103	2/26/2009	PSBE103-2.0-2.5	2.0	2.0	9.8	7.8	14	E-14/E-15	-2.3
P-SB-E103	2/26/2009	PSBE103-4.0-4.5	4.0	4.0	9.8	5.8	39	E-14/E-15	-2.3
P-SB-E103	2/26/2009	PSBE103-9.0-9.5	9.0	9.0	9.8	0.8	14	E-14/E-15	-2.3
P-SB-E104	2/26/2009	PSBE104-0.0-0.5	0.0	0.0	8.7	8.7	340	E-14	-1.6
P-SB-E104	2/26/2009	PSBE104-8.1-8.6	8.1	8.1	8.7	0.6	277.5	E-14	-1.6
P-SB-E105	2/26/2009	PSBE105-0.0-0.5	0.0	0.0	9.9	9.9	106.5	E-14/E-29	-1.6
P-SB-E105	2/26/2009	PSBE105-0.8-1.3	0.8	0.8	9.9	9.1	969.5	E-14/E-29	-1.6
P-SB-E106	2/26/2009	PSBE106-0.0-0.5	0.0	0.0	11.4	11.4	466	E-29	7.9
P-SB-E106	2/26/2009	PSBE106-2.3-2.8	2.3	2.3	11.4	9.1	8	E-29	7.9
P-SB-E107	2/26/2009	PSBE107-0.0-0.5	0.0	0.0	12.6	12.6	687	E-30/E-35	-1
P-SB-E107	2/26/2009	PSBE107-2.1-2.6	2.1	2.1	12.6	10.5	14	E-30/E-35	-1
P-SB-E11	4/9/2007	20070409P-SB-E11V0.0-0.5N	0-0.5	0	9.4	9.4	95.7	E-1/E-9	-2.2
P-SB-E11	4/9/2007	20070409P-SB-E11V4.0-4.5N	4-4.5	4	9.4	5.4	89.4	E-1/E-9	-2.2
P-SB-E11	4/9/2007	20070409P-SB-E11V6.0-6.5N	6-6.5	6	9.4	3.4	57.8	E-1/E-9	-2.2
P-SB-E11	4/9/2007	20070409P-SB-E11V8.0-8.5N	8-8.5	8	9.4	1.4	17.4	E-1/E-9	-2.2
P-SB-E11	4/9/2007	20070409P-SB-E11V10.0-10.5N	10-10.5	10	9.4	-0.6	0.96	E-1/E-9	-2.2
P-SB-E11	4/9/2007	20070409P-SB-E11V12.0-12.5FD	12-12.5	12	9.4	-2.6	28.1 R	E-1/E-9	-2.2
P-SB-E11	4/9/2007	20070409P-SB-E11V12.0-12.5N	12-12.5	12	9.4	-2.6	4.2 R	E-1/E-9	-2.2
P-SB-E110	2/26/2009	PSBE110-0.0-0.5	0.0	0.0	12.7	12.7	21.5	E-35/E-36	8.6
P-SB-E110	2/26/2009	PSBE110-2.3-2.8	2.3	2.3	12.7	10.4	14	E-35/E-36	8.6
P-SB-E111	2/25/2009	PSBE111-0.0-0.5	0.0	0.0	12.2	12.2	195.5	E-36/E-39	8.1
P-SB-E111	2/25/2009	PSBE111-2.3-2.8	2.3	2.3	12.2	9.9	100.5	E-36/E-39	8.1
P-SB-E112	2/25/2009	PSBE112-0.0-0.5	0.0	0.0	12.3	12.3	178.5	E-39	8.1
P-SB-E112	2/25/2009	PSBE112-1.5-2.0	1.5	1.5	12.3	10.8	324.5	E-39	8.1
P-SB-E117	3/5/2009	PSBE117-2.0-2.5	2.0	2.0	10.9	8.9	12.5	E-3	0.6
P-SB-E117	3/5/2009	PSBE117-4.0-4.5	4.0	4.0	10.9	6.9	206	E-3	0.6
P-SB-E117	3/5/2009	PSBE117-6.5-7.0	6.5	6.5	10.9	4.4	27.5	E-3	0.6
P-SB-E118	3/6/2009	PSBE118-0.0-0.5	0.0	0.0	9.4	9.4	14	E-8	-2.3
P-SB-E118	3/6/2009	PSBE118-4.0-4.5	4.0	4.0	9.4	5.4	81	E-8	-2.3

Table 3-8 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area E
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-E118	3/6/2009	PSBE118-8.0-8.5	8.0	8.0	9.4	1.4	72.5	E-8	-2.3
P-SB-E118	3/6/2009	PSBE118-10.6-11.1	10.6	10.6	9.4	-1.2	14	E-8	-2.3
P-SB-E12	4/5/2007	20070405P-SB-E12V0.0-0.5N	0-0.5	0	10.4	10.4	32.5	E-4/E-5/E-10	-4.2
P-SB-E12	4/5/2007	20070405P-SB-E12V2.0-2.5N	2-2.5	2	10.4	8.4	265	E-4/E-5/E-10	-4.2
P-SB-E12	4/5/2007	20070405P-SB-E12V4.0-4.5N	4-4.5	4	10.4	6.4	472	E-4/E-5/E-10	-4.2
P-SB-E12	4/5/2007	20070405P-SB-E12V6.0-6.5N	6-6.5	6	10.4	4.4	101 J	E-4/E-5/E-10	-4.2
P-SB-E12	4/5/2007	20070405P-SB-E12V8.0-8.5N	8-8.5	8	10.4	2.4	137	E-4/E-5/E-10	-4.2
P-SB-E12	4/5/2007	20070405P-SB-E12V10.0-10.5N	10-10.5	10	10.4	0.4	1850 J	E-4/E-5/E-10	-4.2
P-SB-E12	4/5/2007	20070405P-SB-E12V10.5-11.0N	10.5-11	10.5	10.4	-0.1	257 J	E-4/E-5/E-10	-4.2
P-SB-E12	4/5/2007	20070405P-SB-E12V12.0-12.5N	12-12.5	12	10.4	-1.6	87.8	E-4/E-5/E-10	-4.2
P-SB-E13	4/23/2007	20070423P-SB-E13V0.0-0.5N	0-0.5	0	11.1	11.1	27.8 J	E-5/E-6/E-10/E-11	-5.3
P-SB-E13	4/23/2007	20070423P-SB-E13V2.0-2.5N	2-2.5	2	11.1	9.1	16.4 J	E-5/E-6/E-10/E-11	-5.3
P-SB-E13	4/23/2007	20070423P-SB-E13V4.0-4.5N	4-4.5	4	11.1	7.1	22.1 J	E-5/E-6/E-10/E-11	-5.3
P-SB-E13	4/23/2007	20070423P-SB-E13V5.0-5.5N	5-5.5	5	11.1	6.1	13.9 J	E-5/E-6/E-10/E-11	-5.3
P-SB-E13	4/23/2007	20070423P-SB-E13V7.0-7.5N	7-7.5	7	11.1	4.1	26.2 J	E-5/E-6/E-10/E-11	-5.3
P-SB-E13	4/23/2007	20070423P-SB-E13V9.0-9.5N	9-9.5	9	11.1	2.1	403 J	E-5/E-6/E-10/E-11	-5.3
P-SB-E13	4/23/2007	20070423P-SB-E13V13.0-13.5N	13-13.5	13	11.1	-1.9	682 J	E-5/E-6/E-10/E-11	-5.3
P-SB-E13	4/23/2007	20070423P-SB-E13V15.0-15.5N	15-15.5	15	11.1	-3.9	27 J	E-5/E-6/E-10/E-11	-5.3
P-SB-E14	4/23/2007	20070423P-SB-E14V0.0-0.5N	0-0.5	0	12.9	12.9	56.7 J	E-10/E-16	-4.8
P-SB-E14	4/23/2007	20070423P-SB-E14V2.0-2.5N	2-2.5	2	12.9	10.9	52.7 J	E-10/E-16	-4.8
P-SB-E14	4/23/2007	20070423P-SB-E14V4.0-4.5N	4-4.5	4	12.9	8.9	43.1 J	E-10/E-16	-4.8
P-SB-E14	4/23/2007	20070423P-SB-E14V6.0-6.5N	6-6.5	6	12.9	6.9	62.1 J	E-10/E-16	-4.8
P-SB-E14	4/23/2007	20070423P-SB-E14V8.0-8.5N	8-8.5	8	12.9	4.9	13.8 J	E-10/E-16	-4.8
P-SB-E14	4/23/2007	20070423P-SB-E14V10.0-10.5N	10-10.5	10	12.9	2.9	1050 J	E-10/E-16	-4.8
P-SB-E14	4/23/2007	20070423P-SB-E14V15.0-15.5FD	15-15.5	15	12.9	-2.1	630 J	E-10/E-16	-4.8
P-SB-E14	4/23/2007	20070423P-SB-E14V15.0-15.5N	15-15.5	15	12.9	-2.1	639 J	E-10/E-16	-4.8
P-SB-E14	4/23/2007	20070423P-SB-E14V17.0-17.5N	17-17.5	17	12.9	-4.1	178 J	E-10/E-16	-4.8
P-SB-E15	5/21/2007	20070521P-SB-E15V0.0-0.5FD	0-0.5	0	12.2	12.2	43.6	E-9/E-10	-4.2
P-SB-E15	5/21/2007	20070521P-SB-E15V0.0-0.5N	0-0.5	0	12.2	12.2	34.2	E-9/E-10	-4.2
P-SB-E15	5/21/2007	20070521P-SB-E15V4.0-4.5N	4-4.5	4	12.2	8.2	155	E-9/E-10	-4.2
P-SB-E15	5/21/2007	20070521P-SB-E15V6.0-6.5N	6-6.5	6	12.2	6.2	6.3	E-9/E-10	-4.2
P-SB-E15	5/21/2007	20070521P-SB-E15V8.0-8.5N	8-8.5	8	12.2	4.2	63.4	E-9/E-10	-4.2
P-SB-E15	5/21/2007	20070521P-SB-E15V10.0-10.5N	10-10.5	10	12.2	2.2	416	E-9/E-10	-4.2
P-SB-E15	5/21/2007	20070521P-SB-E15V12.0-12.5N	12-12.5	12	12.2	0.2	625	E-9/E-10	-4.2
P-SB-E16	5/21/2007	20070521P-SB-E16V0.0-0.5N	0-0.5	0	13.4	13.4	391	E-16/E-24/E-25	-4.8
P-SB-E16	5/21/2007	20070521P-SB-E16V2.0-2.5N	2-2.5	2	13.4	11.4	194	E-16/E-24/E-25	-4.8
P-SB-E16	5/21/2007	20070521P-SB-E16V4.0-4.5N	4-4.5	4	13.4	9.4	208	E-16/E-24/E-25	-4.8
P-SB-E16	5/21/2007	20070521P-SB-E16V6.0-6.5N	6-6.5	6	13.4	7.4	71.9	E-16/E-24/E-25	-4.8
P-SB-E16	5/21/2007	20070521P-SB-E16V10.0-10.5N	10-10.5	10	13.4	3.4	52.1	E-16/E-24/E-25	-4.8
P-SB-E16	5/21/2007	20070521P-SB-E16V12.0-12.5N	12-12.5	12	13.4	1.4	984 J	E-16/E-24/E-25	-4.8
P-SB-E16	5/21/2007	20070521P-SB-E16V14.0-14.5N	14-14.5	14	13.4	-0.6	87.5 J	E-16/E-24/E-25	-4.8
P-SB-E17	5/18/2007	20070518P-SB-E17V0.0-0.5N	0-0.5	0	13.3	13.3	85.5	E-11/E-12/E-17/E-18	-5.3
P-SB-E17	5/18/2007	20070518P-SB-E17V2.0-2.5N	2-2.5	2	13.3	11.3	6.7	E-11/E-12/E-17/E-18	-5.3
P-SB-E17	5/18/2007	20070518P-SB-E17V4.0-4.5N	4-4.5	4	13.3	9.3	96.1	E-11/E-12/E-17/E-18	-5.3
P-SB-E17	5/18/2007	20070518P-SB-E17V6.0-6.5N	6-6.5	6	13.3	7.3	18.7	E-11/E-12/E-17/E-18	-5.3
P-SB-E17	5/18/2007	20070518P-SB-E17V8.0-8.5N	8-8.5	8	13.3	5.3	61.4	E-11/E-12/E-17/E-18	-5.3
P-SB-E17	5/18/2007	20070518P-SB-E17V10.0-10.5N	10-10.5	10	13.3	3.3	100	E-11/E-12/E-17/E-18	-5.3
P-SB-E17	5/18/2007	20070518P-SB-E17V12.0-12.5N	12-12.5	12	13.3	1.3	2760	E-11/E-12/E-17/E-18	-5.3
P-SB-E17	5/18/2007	20070518P-SB-E17V16.0-16.5N	16-16.5	16	13.3	-2.7	448	E-11/E-12/E-17/E-18	-5.3
P-SB-E17	5/21/2007	20070521P-SB-E17V18.0-18.5N	18-18.5	18	13.3	-4.7	8.6	E-11/E-12/E-17/E-18	-5.3
P-SB-E18	5/22/2007	20070522P-SB-E18V0.0-0.5FD	0-0.5	0	10.9	10.9	21.1	E-6/E-7/E-11/E-12	-5.3

Table 3-8 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area E
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-E18	5/22/2007	20070522P-SB-E18V0.0-0.5N	0-0.5	0	10.9	10.9	15.8	E-6/E-7/E-11/E-12	-5.3
P-SB-E18	5/22/2007	20070522P-SB-E18V2.0-2.5N	2-2.5	2	10.9	8.9	29.5	E-6/E-7/E-11/E-12	-5.3
P-SB-E18	5/22/2007	20070522P-SB-E18V4.0-4.5N	4-4.5	4	10.9	6.9	39.2	E-6/E-7/E-11/E-12	-5.3
P-SB-E18	5/22/2007	20070522P-SB-E18V6.0-6.5N	6-6.5	6	10.9	4.9	86.1	E-6/E-7/E-11/E-12	-5.3
P-SB-E18	5/22/2007	20070522P-SB-E18V8.0-8.5N	8-8.5	8	10.9	2.9	254	E-6/E-7/E-11/E-12	-5.3
P-SB-E18	5/22/2007	20070522P-SB-E18V10.0-10.5N	10-10.5	10	10.9	0.9	238	E-6/E-7/E-11/E-12	-5.3
P-SB-E18	5/22/2007	20070522P-SB-E18V12.0-12.5N	12-12.5	12	10.9	-1.1	8020	E-6/E-7/E-11/E-12	-5.3
P-SB-E18	5/22/2007	20070522P-SB-E18V14.0-14.5N	14-14.5	14	10.9	-3.1	330	E-6/E-7/E-11/E-12	-5.3
P-SB-E18	5/24/2007	20070524P-SB-E18V14.0-14.5N	14-14.5	14	10.9	-3.1	964	E-6/E-7/E-11/E-12	-5.3
P-SB-E18	5/22/2007	20070522P-SB-E18V16.0-16.5N	16-16.5	16	10.9	-5.1	108	E-6/E-7/E-11/E-12	-5.3
P-SB-E18	5/24/2007	20070524P-SB-E18V16.0-16.5FD	16-16.5	16	10.9	-5.1	106	E-6/E-7/E-11/E-12	-5.3
P-SB-E18	5/24/2007	20070524P-SB-E18V16.0-16.5N	16-16.5	16	10.9	-5.1	81.1	E-6/E-7/E-11/E-12	-5.3
P-SB-E18	5/24/2007	20070524P-SB-E18V16.5-17.0N	16.5-17	16.5	10.9	-5.6	7.1	E-6/E-7/E-11/E-12	-5.3
P-SB-E19	5/24/2007	20070524P-SB-E19V0.0-0.5N	0-0.5	0	10.8	10.8	8.2	E-3/E-5/E-6	-5.3
P-SB-E19	5/24/2007	20070524P-SB-E19V2.0-2.5N	2-2.5	2	10.8	8.8	182	E-3/E-5/E-6	-5.3
P-SB-E19	5/24/2007	20070524P-SB-E19V4.0-4.5N	4-4.5	4	10.8	6.8	133	E-3/E-5/E-6	-5.3
P-SB-E19	5/24/2007	20070524P-SB-E19V6.0-6.5N	6-6.5	6	10.8	4.8	943	E-3/E-5/E-6	-5.3
P-SB-E19	5/24/2007	20070524P-SB-E19V10.0-10.5N	10-10.5	10	10.8	0.8	74.1 J	E-3/E-5/E-6	-5.3
P-SB-E19	5/24/2007	20070524P-SB-E19V14.0-14.5N	14-14.5	14	10.8	-3.2	103 J	E-3/E-5/E-6	-5.3
P-SB-E19	5/24/2007	20070524P-SB-E19V16.0-16.5N	16-16.5	16	10.8	-5.2	5.8 J	E-3/E-5/E-6	-5.3
P-SB-E19	5/24/2007	20070524P-SB-E19V16.5-17.0N	16.5-17	16.5	10.8	-5.7	0.92 J	E-3/E-5/E-6	-5.3
P-SB-E2	3/12/2007	20070312P-SB-E2V0.0-0.5N	0-0.5	0	10.2	10.2	1960	E-1/E-2/E-4	-1.1
P-SB-E2	3/12/2007	20070312P-SB-E2V2.0-2.5N	2-2.5	2	10.2	8.2	1710	E-1/E-2/E-4	-1.1
P-SB-E2	3/12/2007	20070312P-SB-E2V4.0-4.5N	4-4.5	4	10.2	6.2	499	E-1/E-2/E-4	-1.1
P-SB-E2	3/12/2007	20070312P-SB-E2V6.0-6.5N	6-6.5	6	10.2	4.2	125	E-1/E-2/E-4	-1.1
P-SB-E2	3/12/2007	20070312P-SB-E2V8.0-8.5N	8-8.5	8	10.2	2.2	601	E-1/E-2/E-4	-1.1
P-SB-E2	3/12/2007	20070312P-SB-E2V10.0-10.5N	10-10.5	10	10.2	0.2	165	E-1/E-2/E-4	-1.1
P-SB-E20	5/29/2007	20070529P-SB-E20V0.0-0.5FD	0-0.5	0	13.8	13.8	163 R	E-33/E-34/E-38	0.3
P-SB-E20	5/29/2007	20070529P-SB-E20V0.0-0.5N	0-0.5	0	13.8	13.8	85.7 R	E-33/E-34/E-38	0.3
P-SB-E20	5/29/2007	20070529P-SB-E20V2.0-2.5N	2-2.5	2	13.8	11.8	2710	E-33/E-34/E-38	0.3
P-SB-E20	5/29/2007	20070529P-SB-E20V4.0-4.5N	4-4.5	4	13.8	9.8	454	E-33/E-34/E-38	0.3
P-SB-E20	5/29/2007	20070529P-SB-E20V6.0-6.5N	6-6.5	6	13.8	7.8	87.5	E-33/E-34/E-38	0.3
P-SB-E20	5/29/2007	20070529P-SB-E20V8.0-8.5N	8-8.5	8	13.8	5.8	0.66 R	E-33/E-34/E-38	0.3
P-SB-E20	5/29/2007	20070529P-SB-E20V12.0-12.5N	12-12.5	12	13.8	1.8	2.2	E-33/E-34/E-38	0.3
P-SB-E20	5/29/2007	20070529P-SB-E20V14.0-14.5N	14-14.5	14	13.8	-0.2	1.3 R	E-33/E-34/E-38	0.3
P-SB-E21	5/29/2007	20070529P-SB-E21V0.0-0.5N	0-0.5	0	12.9	12.9	89.5 R	E-24/E-25/E-33/E-38	-4.8
P-SB-E21	5/29/2007	20070529P-SB-E21V2.0-2.5N	2-2.5	2	12.9	10.9	135 R	E-24/E-25/E-33/E-38	-4.8
P-SB-E21	5/29/2007	20070529P-SB-E21V4.0-4.5FD	4-4.5	4	12.9	8.9	69.7	E-24/E-25/E-33/E-38	-4.8
P-SB-E21	5/29/2007	20070529P-SB-E21V4.0-4.5N	4-4.5	4	12.9	8.9	81.9	E-24/E-25/E-33/E-38	-4.8
P-SB-E21	5/29/2007	20070529P-SB-E21V6.0-6.5N	6-6.5	6	12.9	6.9	32.5	E-24/E-25/E-33/E-38	-4.8
P-SB-E21	5/29/2007	20070529P-SB-E21V8.0-8.5N	8-8.5	8	12.9	4.9	10.6 R	E-24/E-25/E-33/E-38	-4.8
P-SB-E21	5/29/2007	20070529P-SB-E21V14.0-14.5N	14-14.5	14	12.9	-1.1	10	E-24/E-25/E-33/E-38	-4.8
P-SB-E22	5/25/2007	20070525P-SB-E22V0.0-0.5FD	0-0.5	0	13.3	13.3	257	E-16/E-17/E-25/E-26	-4.8
P-SB-E22	5/25/2007	20070525P-SB-E22V0.0-0.5N	0-0.5	0	13.3	13.3	295	E-16/E-17/E-25/E-26	-4.8
P-SB-E22	5/25/2007	20070525P-SB-E22V2.0-2.5N	2-2.5	2	13.3	11.3	57.4	E-16/E-17/E-25/E-26	-4.8
P-SB-E22	5/25/2007	20070525P-SB-E22V4.0-4.5N	4-4.5	4	13.3	9.3	50.4	E-16/E-17/E-25/E-26	-4.8
P-SB-E22	5/25/2007	20070525P-SB-E22V6.0-6.5N	6-6.5	6	13.3	7.3	47.5	E-16/E-17/E-25/E-26	-4.8
P-SB-E22	5/25/2007	20070525P-SB-E22V12.0-12.5N	12-12.5	12	13.3	1.3	37.1	E-16/E-17/E-25/E-26	-4.8
P-SB-E22	5/25/2007	20070525P-SB-E22V16.0-16.5N	16-16.5	16	13.3	-2.7	1010	E-16/E-17/E-25/E-26	-4.8
P-SB-E22	5/25/2007	20070525P-SB-E22V18.0-18.5N	18-18.5	18	13.3	-4.7	233	E-16/E-17/E-25/E-26	-4.8
P-SB-E22	5/25/2007	20070525P-SB-E22V18.5-19.0N	18.5-19	18.5	13.3	-5.2	6.1	E-16/E-17/E-25/E-26	-4.8

Table 3-8 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area E
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-E22	5/25/2007	20070525P-SB-E22V20.0-20.5N	20-20.5	20	13.3	-6.7	3.1	E-16/E-17/E-25/E-26	-4.8
P-SB-E22	5/25/2007	20070525P-SB-E22V20.5-21.0N	20.5-21	20	13.3	-6.7	1.6	E-16/E-17/E-25/E-26	-4.8
P-SB-E23	6/19/2007	20070619P-SB-E23V0.0-0.5N	0-0.5	0	9.98	10.0	1630	E-9	-2.2
P-SB-E23	6/19/2007	20070619P-SB-E23V2.0-2.5N	2-2.5	2	9.98	8.0	436	E-9	-2.2
P-SB-E23	6/19/2007	20070619P-SB-E23V5.0-5.5N	5-5.5	5	9.98	5.0	474	E-9	-2.2
P-SB-E23	6/19/2007	20070619P-SB-E23V7.0-7.5N	7-7.5	7	9.98	3.0	3780	E-9	-2.2
P-SB-E23	6/19/2007	20070619P-SB-E23V10.0-10.5FD	10-10.5	10	9.98	0.0	1400 J	E-9	-2.2
P-SB-E23	6/19/2007	20070619P-SB-E23V10.0-10.5N	10-10.5	10	9.98	0.0	2290 J	E-9	-2.2
P-SB-E23	6/19/2007	20070619P-SB-E23V12.0-12.5N	12-12.5	12	9.98	-2.0	3.1	E-9	-2.2
P-SB-E23	6/19/2007	20070619P-SB-E23V13.0-13.5N	13-13.5	13	9.98	-3.0	11.4	E-9	-2.2
P-SB-E24	6/13/2007	20070613P-SB-E24V0.0-0.5FD	0-0.5	0	12.3	12.3	193	E-9/E-10/E-23/E-24	-4.2
P-SB-E24	6/13/2007	20070613P-SB-E24V0.0-0.5N	0-0.5	0	12.3	12.3	127	E-9/E-10/E-23/E-24	-4.2
P-SB-E24	6/13/2007	20070613P-SB-E24V2.0-2.5N	2-2.5	2	12.3	10.3	323	E-9/E-10/E-23/E-24	-4.2
P-SB-E24	6/13/2007	20070613P-SB-E24V4.0-4.5N	4-4.5	4	12.3	8.3	291	E-9/E-10/E-23/E-24	-4.2
P-SB-E24	6/13/2007	20070613P-SB-E24V6.0-6.5N	6-6.5	6	12.3	6.3	434	E-9/E-10/E-23/E-24	-4.2
P-SB-E24	6/13/2007	20070613P-SB-E24V10.0-10.5N	10-10.5	10	12.3	2.3	179	E-9/E-10/E-23/E-24	-4.2
P-SB-E24	6/13/2007	20070613P-SB-E24V12.0-12.5N	12-12.5	12	12.3	0.3	120	E-9/E-10/E-23/E-24	-4.2
P-SB-E24	6/13/2007	20070613P-SB-E24V12.5-13.0N	12.5-13	12.5	12.3	-0.2	32.8	E-9/E-10/E-23/E-24	-4.2
P-SB-E25	6/13/2007	20070613P-SB-E25V0.0-0.5N	0-0.5	0	13.6	13.6	22.3	E-11/E-12/E-17/E-18	-5.3
P-SB-E25	6/13/2007	20070613P-SB-E25V2.0-2.5N	2-2.5	2	13.6	11.6	11.4	E-11/E-12/E-17/E-18	-5.3
P-SB-E25	6/13/2007	20070613P-SB-E25V4.0-4.5N	4-4.5	4	13.6	9.6	105 R	E-11/E-12/E-17/E-18	-5.3
P-SB-E25	6/13/2007	20070613P-SB-E25V6.0-6.5N	6-6.5	6	13.6	7.6	1160	E-11/E-12/E-17/E-18	-5.3
P-SB-E25	6/13/2007	20070613P-SB-E25V8.0-8.5N	8-8.5	8	13.6	5.6	38.6	E-11/E-12/E-17/E-18	-5.3
P-SB-E25	6/13/2007	20070613P-SB-E25V10.0-10.5N	10-10.5	10	13.6	3.6	128	E-11/E-12/E-17/E-18	-5.3
P-SB-E25	6/13/2007	20070613P-SB-E25V16.0-16.5N	16-16.5	16	13.6	-2.4	321	E-11/E-12/E-17/E-18	-5.3
P-SB-E25	6/13/2007	20070613P-SB-E25V17.0-17.5N	17-17.5	17	13.6	-3.4	47.6 R	E-11/E-12/E-17/E-18	-5.3
P-SB-E26	6/25/2007	20070625P-SB-E26V0.0-0.5N	0-0.5	0	8.36	8.4	19.7 J	E-7	-5.2
P-SB-E26	6/25/2007	20070625P-SB-E26V2.0-2.5N	2-2.5	2	8.36	6.4	2.4 J	E-7	-5.2
P-SB-E26	6/25/2007	20070625P-SB-E26V5.0-5.5N	5-5.5	5	8.36	3.4	219 J	E-7	-5.2
P-SB-E26	6/25/2007	20070625P-SB-E26V7.0-7.5N	7-7.5	7	8.36	1.4	367 J	E-7	-5.2
P-SB-E26	6/26/2007	20070626P-SB-E26V10.0-10.5N	10-10.5	10	8.36	-1.6	3120 J	E-7	-5.2
P-SB-E26	6/26/2007	20070626P-SB-E26V12.0-12.5N	12-12.5	12	8.36	-3.6	975 J	E-7	-5.2
P-SB-E26	6/26/2007	20070626P-SB-E26V13.0-13.5N	13-13.5	13	8.36	-4.6	61.4 J	E-7	-5.2
P-SB-E26	6/26/2007	20070626P-SB-E26V14.0-14.5N	14-14.5	14	8.36	-5.6	1.9	E-7	-5.2
P-SB-E27	7/10/2007	20070710P-SB-E27V0.0-0.5N	0-0.5	0	9.2	9.2	13.4	E-6/E-7	-5.3
P-SB-E27	7/10/2007	20070710P-SB-E27V2.0-2.5N	2-2.5	2	9.2	7.2	115	E-6/E-7	-5.3
P-SB-E27	7/10/2007	20070710P-SB-E27V5.0-5.5N	5-5.5	5	9.2	4.2	74.2	E-6/E-7	-5.3
P-SB-E27	7/10/2007	20070710P-SB-E27V7.0-7.5N	7-7.5	7	9.2	2.2	26.9	E-6/E-7	-5.3
P-SB-E27	7/10/2007	20070710P-SB-E27V10.0-10.5N	10-10.5	10	9.2	-0.8	76	E-6/E-7	-5.3
P-SB-E27	7/10/2007	20070710P-SB-E27V12.0-12.5FD	12-12.5	12	9.2	-2.8	5.8 J	E-6/E-7	-5.3
P-SB-E27	7/10/2007	20070710P-SB-E27V12.0-12.5N	12-12.5	12	9.2	-2.8	2.6 J	E-6/E-7	-5.3
P-SB-E27	7/10/2007	20070710P-SB-E27V13.0-13.5N	13-13.5	13	9.2	-3.8	0.73	E-6/E-7	-5.3
P-SB-E28	6/12/2007	20070612P-SB-E28V0.0-0.5FD	0-0.5	0	14	14.0	46.6	E-17/E-18/E-26/E-27	-4.8
P-SB-E28	6/12/2007	20070612P-SB-E28V0.0-0.5N	0-0.5	0	14	14.0	40.3	E-17/E-18/E-26/E-27	-4.8
P-SB-E28	6/12/2007	20070612P-SB-E28V2.0-2.5N	2-2.5	2	14	12.0	50.6	E-17/E-18/E-26/E-27	-4.8
P-SB-E28	6/12/2007	20070612P-SB-E28V4.0-4.5N	4-4.5	4	14	10.0	25.5	E-17/E-18/E-26/E-27	-4.8
P-SB-E28	6/12/2007	20070612P-SB-E28V6.0-6.5N	6-6.5	6	14	8.0	91	E-17/E-18/E-26/E-27	-4.8
P-SB-E28	6/12/2007	20070612P-SB-E28V8.0-8.5N	8-8.5	8	14	6.0	47.3	E-17/E-18/E-26/E-27	-4.8
P-SB-E28	6/13/2007	20070613P-SB-E28V10.0-10.5N	10-10.5	10	14	4.0	1470 J	E-17/E-18/E-26/E-27	-4.8
P-SB-E28	6/13/2007	20070613P-SB-E28V14.0-14.5N	14-14.5	14	14	0.0	330	E-17/E-18/E-26/E-27	-4.8
P-SB-E28	6/13/2007	20070613P-SB-E28V14.5-15.0N	14.5-15	14.5	14	-0.5	8.7 J	E-17/E-18/E-26/E-27	-4.8

Table 3-8 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area E
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-E29	6/12/2007	20070612P-SB-E29V0.0-0.5FD	0-0.5	0	13	13.0	40.9	E-25/E-26/E-27/E-33	-4.8
P-SB-E29	6/12/2007	20070612P-SB-E29V0.0-0.5N	0-0.5	0	13	13.0	37.3	E-25/E-26/E-27/E-33	-4.8
P-SB-E29	6/12/2007	20070612P-SB-E29V2.0-2.5N	2-2.5	2	13	11.0	29.8	E-25/E-26/E-27/E-33	-4.8
P-SB-E29	6/12/2007	20070612P-SB-E29V4.0-4.5N	4-4.5	4	13	9.0	37.6	E-25/E-26/E-27/E-33	-4.8
P-SB-E29	6/12/2007	20070612P-SB-E29V12.0-12.5N	12-12.5	12	13	1.0	955 J	E-25/E-26/E-27/E-33	-4.8
P-SB-E29	6/12/2007	20070612P-SB-E29V12.5-13.0N	12.5-13	12.5	13	0.5	43.8 J	E-25/E-26/E-27/E-33	-4.8
P-SB-E29	6/12/2007	20070612P-SB-E29V13.0-13.5N	13-13.5	13	13	0.0	72.9 J	E-25/E-26/E-27/E-33	-4.8
P-SB-E3	3/12/2007	20070312P-SB-E3V0.0-0.5N	0-0.5	0	10.4	10.4	410	E-1/E-9	-2.2
P-SB-E3	3/12/2007	20070312P-SB-E3V2.0-2.5N	2-2.5	2	10.4	8.4	75.1	E-1/E-9	-2.2
P-SB-E3	3/12/2007	20070312P-SB-E3V4.0-4.5N	4-4.5	4	10.4	6.4	10.5	E-1/E-9	-2.2
P-SB-E3	3/12/2007	20070312P-SB-E3V6.0-6.5N	6-6.5	6	10.4	4.4	71.2	E-1/E-9	-2.2
P-SB-E3	3/12/2007	20070312P-SB-E3V10.0-10.5N	10-10.5	10	10.4	0.4	127	E-1/E-9	-2.2
P-SB-E30	6/12/2007	20070612P-SB-E30V0.0-0.5N	0-0.5	0	11.9	11.9	938	E-26/E-27	-4.8
P-SB-E30	6/12/2007	20070612P-SB-E30V2.0-2.5N	2-2.5	2	11.9	9.9	126	E-26/E-27	-4.8
P-SB-E30	6/12/2007	20070612P-SB-E30V4.0-4.5N	4-4.5	4	11.9	7.9	62.3	E-26/E-27	-4.8
P-SB-E30	6/12/2007	20070612P-SB-E30V8.0-8.5N	8-8.5	8	11.9	3.9	74.6	E-26/E-27	-4.8
P-SB-E30	6/12/2007	20070612P-SB-E30V10.0-10.5N	10-10.5	10	11.9	1.9	623	E-26/E-27	-4.8
P-SB-E30	6/12/2007	20070612P-SB-E30V12.0-12.5N	12-12.5	12	11.9	-0.1	70.3	E-26/E-27	-4.8
P-SB-E30	6/12/2007	20070612P-SB-E30V14.0-14.5N	14-14.5	14	11.9	-2.1	6	E-26/E-27	-4.8
P-SB-E31	6/14/2007	20070614P-SB-E31V0.0-0.5N	0-0.5	1	12.6	11.6	35	E-18/E-19/E-27	-3.7
P-SB-E31	6/14/2007	20070614P-SB-E31V2.0-2.5N	2-2.5	2	12.6	10.6	52.7	E-18/E-19/E-27	-3.7
P-SB-E31	6/14/2007	20070614P-SB-E31V4.0-4.5N	4-4.5	4	12.6	8.6	10.3	E-18/E-19/E-27	-3.7
P-SB-E31	6/14/2007	20070614P-SB-E31V6.0-6.5N	6-6.5	6	12.6	6.6	70.1	E-18/E-19/E-27	-3.7
P-SB-E31	6/14/2007	20070614P-SB-E31V8.0-8.5FD	8-8.5	8	12.6	4.6	24.9	E-18/E-19/E-27	-3.7
P-SB-E31	6/14/2007	20070614P-SB-E31V8.0-8.5N	8-8.5	8	12.6	4.6	19.9	E-18/E-19/E-27	-3.7
P-SB-E31	6/14/2007	20070614P-SB-E31V10.0-10.5N	10-10.5	10	12.6	2.6	201	E-18/E-19/E-27	-3.7
P-SB-E31	6/14/2007	20070614P-SB-E31V12.0-12.5N	12-12.5	12	12.6	0.6	525 J	E-18/E-19/E-27	-3.7
P-SB-E31	6/14/2007	20070614P-SB-E31V14.0-14.5N	14-14.5	14	12.6	-1.4	3.2	E-18/E-19/E-27	-3.7
P-SB-E31	6/14/2007	20070614P-SB-E31V14.5-15.0N	14.5-15	14.5	12.6	-1.9	3.6	E-18/E-19/E-27	-3.7
P-SB-E33	6/19/2007	20070619P-SB-E33V0.0-0.5N	0-0.5	0	11.2	11.2	37.2	E-9/E-22/E-23	-2.2
P-SB-E33	6/19/2007	20070619P-SB-E33V2.0-2.5N	2-2.5	2	11.2	9.2	89.5	E-9/E-22/E-23	-2.2
P-SB-E33	6/19/2007	20070619P-SB-E33V5.0-5.5N	5-5.5	5	11.2	6.2	379	E-9/E-22/E-23	-2.2
P-SB-E33	6/19/2007	20070619P-SB-E33V7.0-7.5N	7-7.5	7	11.2	4.2	16.7	E-9/E-22/E-23	-2.2
P-SB-E33	6/19/2007	20070619P-SB-E33V10.0-10.5N	10-10.5	10	11.2	1.2	196	E-9/E-22/E-23	-2.2
P-SB-E33	6/19/2007	20070619P-SB-E33V11.0-11.5N	11-11.5	11	11.2	0.2	757 J	E-9/E-22/E-23	-2.2
P-SB-E33	6/19/2007	20070619P-SB-E33V12.0-12.5N	12-12.5	12	11.2	-0.8	8.4	E-9/E-22/E-23	-2.2
P-SB-E33	6/19/2007	20070619P-SB-E33V13.0-13.5N	13-13.5	13	11.2	-1.8	2	E-9/E-22/E-23	-2.2
P-SB-E34	6/15/2007	20070615P-SB-E34V0.0-0.5N	0-0.5	0	13.1	13.1	79.2 J	E-23/E-24/E-32/E-38	-0.7
P-SB-E34	6/15/2007	20070615P-SB-E34V2.0-2.5N	2-2.5	2	13.1	11.1	16.9 J	E-23/E-24/E-32/E-38	-0.7
P-SB-E34	6/15/2007	20070615P-SB-E34V4.0-4.5N	4-4.5	4	13.1	9.1	102	E-23/E-24/E-32/E-38	-0.7
P-SB-E34	6/15/2007	20070615P-SB-E34V6.0-6.5FD	6-6.5	6	13.1	7.1	10	E-23/E-24/E-32/E-38	-0.7
P-SB-E34	6/15/2007	20070615P-SB-E34V6.0-6.5N	6-6.5	6	13.1	7.1	11.2	E-23/E-24/E-32/E-38	-0.7
P-SB-E34	6/15/2007	20070615P-SB-E34V10.0-10.5N	10-10.5	10	13.1	3.1	14.4	E-23/E-24/E-32/E-38	-0.7
P-SB-E34	6/15/2007	20070615P-SB-E34V12.0-12.5N	12-12.5	12	13.1	1.1	207 J	E-23/E-24/E-32/E-38	-0.7
P-SB-E34	6/15/2007	20070615P-SB-E34V13.0-13.5N	13-13.5	13	13.1	0.1	1.6	E-23/E-24/E-32/E-38	-0.7
P-SB-E35	6/14/2007	20070614P-SB-E35V0.0-0.5N	0-0.5	0	9.4	9.4	469	E-19/E-20	-5
P-SB-E35	6/14/2007	20070614P-SB-E35V2.0-2.5N	2-2.5	2	9.4	7.4	1070	E-19/E-20	-5
P-SB-E35	6/14/2007	20070614P-SB-E35V4.0-4.5N	4-4.5	4	9.4	5.4	2400	E-19/E-20	-5
P-SB-E35	6/14/2007	20070614P-SB-E35V6.0-6.5N	6-6.5	5	9.4	4.4	28.7 J	E-19/E-20	-5
P-SB-E35	6/14/2007	20070614P-SB-E35V8.0-8.5N	8-8.5	8	9.4	1.4	647	E-19/E-20	-5
P-SB-E35	6/14/2007	20070614P-SB-E35V12.0-12.5N	12-12.5	12	9.4	-2.6	1630 J	E-19/E-20	-5

Table 3-8 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area E
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-E35	6/14/2007	20070614P-SB-E35V13.0-13.5N	13-13.5	13	9.4	-3.6	1.5	E-19/E-20	-5
P-SB-E36	6/21/2007	20070621P-SB-E36V0.0-0.5N	0-0.5	0	11	11.0	7.7	E-7/E-12/E-18/E-19	-5.2
P-SB-E36	6/21/2007	20070621P-SB-E36V2.0-2.5N	2-2.5	2	11	9.0	87.1	E-7/E-12/E-18/E-19	-5.2
P-SB-E36	6/21/2007	20070621P-SB-E36V5.0-5.5N	5-5.5	5	11	6.0	209	E-7/E-12/E-18/E-19	-5.2
P-SB-E36	6/21/2007	20070621P-SB-E36V7.0-7.5N	7-7.5	7	11	4.0	88	E-7/E-12/E-18/E-19	-5.2
P-SB-E36	6/21/2007	20070621P-SB-E36V10.0-10.5N	10-10.5	10	11	1.0	603 J	E-7/E-12/E-18/E-19	-5.2
P-SB-E36	6/21/2007	20070621P-SB-E36V12.0-12.5N	12-12.5	12	11	-1.0	3930 J	E-7/E-12/E-18/E-19	-5.2
P-SB-E36	6/21/2007	20070621P-SB-E36V13.0-13.5N	13-13.5	13	11	-2.0	434 J	E-7/E-12/E-18/E-19	-5.2
P-SB-E36	6/21/2007	20070621P-SB-E36V14.0-14.5N	14-14.5	14	11	-3.0	82.3	E-7/E-12/E-18/E-19	-5.2
P-SB-E37	6/21/2007	20070621P-SB-E37V0.0-0.5FD	0-0.5	0	9.9	9.9	357	E-20/E-21/E-27	-7.3
P-SB-E37	6/21/2007	20070621P-SB-E37V0.0-0.5N	0-0.5	0	9.9	9.9	392	E-20/E-21/E-27	-7.3
P-SB-E37	6/21/2007	20070621P-SB-E37V2.0-2.5N	2-2.5	2	9.9	7.9	892	E-20/E-21/E-27	-7.3
P-SB-E37	6/21/2007	20070621P-SB-E37V5.0-5.5N	5-5.5	5	9.9	4.9	1650	E-20/E-21/E-27	-7.3
P-SB-E37	6/21/2007	20070621P-SB-E37V6.0-6.5N	6-6.5	6	9.9	3.9	31.5	E-20/E-21/E-27	-7.3
P-SB-E37	6/21/2007	20070621P-SB-E37V8.0-8.5N	8-8.5	8	9.9	1.9	2300	E-20/E-21/E-27	-7.3
P-SB-E37	6/21/2007	20070621P-SB-E37V10.0-10.5N	10-10.5	10	9.9	-0.1	783	E-20/E-21/E-27	-7.3
P-SB-E37	6/21/2007	20070621P-SB-E37V12.0-12.5N	12-12.5	12	9.9	-2.1	20.1	E-20/E-21/E-27	-7.3
P-SB-E37	6/21/2007	20070621P-SB-E37V13.0-13.5N	13-13.5	13	9.9	-3.1	7.2	E-20/E-21/E-27	-7.3
P-SB-E38	6/21/2007	20070621P-SB-E38V0.0-0.5N	0-0.5	0	10.2	10.2	293	E-19	-3.7
P-SB-E38	6/21/2007	20070621P-SB-E38V2.0-2.5N	2-2.5	2	10.2	8.2	63.8	E-19	-3.7
P-SB-E38	6/21/2007	20070621P-SB-E38V5.0-5.5N	5-5.5	5	10.2	5.2	4.5	E-19	-3.7
P-SB-E38	6/21/2007	20070621P-SB-E38V7.0-7.5N	7-7.5	7	10.2	3.2	38.4	E-19	-3.7
P-SB-E38	6/21/2007	20070621P-SB-E38V10.0-10.5N	10-10.5	10	10.2	0.2	335	E-19	-3.7
P-SB-E38	6/21/2007	20070621P-SB-E38V12.0-12.5N	12-12.5	12	10.2	-1.8	6.5 J	E-19	-3.7
P-SB-E38	6/21/2007	20070621P-SB-E38V13.0-13.5N	13-13.5	13	10.2	-2.8	1.1	E-19	-3.7
P-SB-E39	6/20/2007	20070620P-SB-E39V0.0-0.5FD	0-0.5	0	13.4	13.4	95.1	E-27/E-33/E-34	-0.2
P-SB-E39	6/20/2007	20070620P-SB-E39V0.0-0.5N	0-0.5	0	13.4	13.4	96.2	E-27/E-33/E-34	-0.2
P-SB-E39	6/20/2007	20070620P-SB-E39V2.0-2.5N	2-2.5	2	13.4	11.4	1140	E-27/E-33/E-34	-0.2
P-SB-E39	6/20/2007	20070620P-SB-E39V5.0-5.5N	5-5.5	5	13.4	8.4	16.1	E-27/E-33/E-34	-0.2
P-SB-E39	6/20/2007	20070620P-SB-E39V7.0-7.5N	7-7.5	7	13.4	6.4	18.4	E-27/E-33/E-34	-0.2
P-SB-E39	6/20/2007	20070620P-SB-E39V10.0-10.5N	10-10.5	10	13.4	3.4	30.5	E-27/E-33/E-34	-0.2
P-SB-E39	6/20/2007	20070620P-SB-E39V12.0-12.5N	12-12.5	12	13.4	1.4	20.1	E-27/E-33/E-34	-0.2
P-SB-E4	3/12/2007	20070312P-SB-E4V0.0-0.5N	0-0.5	0	10.5	10.5	363	E-1/E-4/E-9/E-10	-4.2
P-SB-E4	3/12/2007	20070312P-SB-E4V2.0-2.5N	2-2.5	2	10.5	8.5	405	E-1/E-4/E-9/E-10	-4.2
P-SB-E4	3/12/2007	20070312P-SB-E4V6.0-6.5N	6-6.5	6	10.5	4.5	199	E-1/E-4/E-9/E-10	-4.2
P-SB-E4	3/12/2007	20070312P-SB-E4V8.0-8.5N	8-8.5	8	10.5	2.5	15.2	E-1/E-4/E-9/E-10	-4.2
P-SB-E4	3/12/2007	20070312P-SB-E4V10.0-10.5N	10-10.5	10	10.5	0.5	31.6	E-1/E-4/E-9/E-10	-4.2
P-SB-E40	6/20/2007	20070620P-SB-E40V0.0-0.5N	0-0.5	0	12.8	12.8	51.7	E-38	6.7
P-SB-E40	6/20/2007	20070620P-SB-E40V1.0-1.5N	1-1.5	1	12.8	11.8	1320	E-38	6.7
P-SB-E40	6/20/2007	20070620P-SB-E40V2.0-2.5N	2-2.5	2	12.8	10.8	32.8	E-38	6.7
P-SB-E40	6/20/2007	20070620P-SB-E40V4.0-4.5N	4-4.5	4	12.8	8.8	3940	E-38	6.7
P-SB-E40	6/20/2007	20070620P-SB-E40V6.0-6.5N	6-6.5	6	12.8	6.8	59.6	E-38	6.7
P-SB-E40	6/20/2007	20070620P-SB-E40V8.0-8.5N	8-8.5	8	12.8	4.8	2.6	E-38	6.7
P-SB-E40	6/20/2007	20070620P-SB-E40V10.0-10.5N	10-10.5	10	12.8	2.8	22.5 J	E-38	6.7
P-SB-E40	6/20/2007	20070620P-SB-E40V12.0-12.5N	12-12.5	12	12.8	0.8	6.1 J	E-38	6.7
P-SB-E40	6/20/2007	20070620P-SB-E40V15.0-15.5N	15-15.5	15	12.8	-2.2	537 J	E-38	6.7
P-SB-E41	6/22/2007	20070622P-SB-E41V0.0-0.5FD	0-0.5	0	9.4	9.4	271	E-7/E-13/E-19/E-20	-5.2
P-SB-E41	6/22/2007	20070622P-SB-E41V0.0-0.5N	0-0.5	0	9.4	9.4	315	E-7/E-13/E-19/E-20	-5.2
P-SB-E41	6/22/2007	20070622P-SB-E41V2.0-2.5N	2-2.5	2	9.4	7.4	225	E-7/E-13/E-19/E-20	-5.2
P-SB-E41	6/22/2007	20070622P-SB-E41V5.0-5.5N	5-5.5	5	9.4	4.4	29.2	E-7/E-13/E-19/E-20	-5.2
P-SB-E41	6/22/2007	20070622P-SB-E41V7.0-7.5N	7-7.5	7	9.4	2.4	930	E-7/E-13/E-19/E-20	-5.2

Table 3-8 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area E
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-E41	6/22/2007	20070622P-SB-E41V10.0-10.5N	10-10.5	10	9.4	-0.6	217	E-7/E-13/E-19/E-20	-5.2
P-SB-E41	6/22/2007	20070622P-SB-E41V12.0-12.5N	12-12.5	12	9.4	-2.6	41.1	E-7/E-13/E-19/E-20	-5.2
P-SB-E41	6/22/2007	20070622P-SB-E41V13.0-13.5N	13-13.5	13	9.4	-3.6	42.4	E-7/E-13/E-19/E-20	-5.2
P-SB-E42	6/22/2007	20070622P-SB-E42V0.0-0.5N	0-0.5	0	7.1	7.1	27.1	E-13/E-20/E-21	-7.3
P-SB-E42	6/22/2007	20070622P-SB-E42V2.0-2.5N	2-2.5	2	7.1	5.1	1920	E-13/E-20/E-21	-7.3
P-SB-E42	6/22/2007	20070622P-SB-E42V5.0-5.5FD	5-5.5	5	7.1	2.1	447	E-13/E-20/E-21	-7.3
P-SB-E42	6/22/2007	20070622P-SB-E42V5.0-5.5N	5-5.5	5	7.1	2.1	435	E-13/E-20/E-21	-7.3
P-SB-E42	6/22/2007	20070622P-SB-E42V7.0-7.5N	7-7.5	7	7.1	0.1	5250 J	E-13/E-20/E-21	-7.3
P-SB-E42	6/22/2007	20070622P-SB-E42V10.0-10.5N	10-10.5	10	7.1	-2.9	1650	E-13/E-20/E-21	-7.3
P-SB-E42	6/22/2007	20070622P-SB-E42V12.0-12.5N	12-12.5	12	7.1	-4.9	7.2	E-13/E-20/E-21	-7.3
P-SB-E42	6/22/2007	20070622P-SB-E42V13.0-13.5N	13-13.5	13	7.1	-5.9	3.8	E-13/E-20/E-21	-7.3
P-SB-E43	6/22/2007	20070622P-SB-E43V0.0-0.5N	0-0.5	0	9.4	9.4	189	E-21/E-28	-7.3
P-SB-E43	6/22/2007	20070622P-SB-E43V2.0-2.5N	2-2.5	2	9.4	7.4	46.4	E-21/E-28	-7.3
P-SB-E43	6/22/2007	20070622P-SB-E43V5.0-5.5N	5-5.5	5	9.4	4.4	4.5	E-21/E-28	-7.3
P-SB-E43	6/22/2007	20070622P-SB-E43V7.0-7.5N	7-7.5	7	9.4	2.4	49.2	E-21/E-28	-7.3
P-SB-E43	6/22/2007	20070622P-SB-E43V10.0-10.5N	10-10.5	10	9.4	-0.6	43.9	E-21/E-28	-7.3
P-SB-E43	6/22/2007	20070622P-SB-E43V15.0-15.5N	15-15.5	15	9.4	-5.6	0.47	E-21/E-28	-7.3
P-SB-E43	6/22/2007	20070622P-SB-E43V16.0-16.5N	16-16.5	16	9.4	-6.6	0.076	E-21/E-28	-7.3
P-SB-E44	6/25/2007	20070625P-SB-E44V0.0-0.5FD	0-0.5	0	9.6	9.6	52.3 J	E-19/E-28	-3.7
P-SB-E44	6/25/2007	20070625P-SB-E44V0.0-0.5N	0-0.5	0	9.6	9.6	50.6 J	E-19/E-28	-3.7
P-SB-E44	6/25/2007	20070625P-SB-E44V2.0-2.5N	2-2.5	2	9.6	7.6	563 J	E-19/E-28	-3.7
P-SB-E44	6/25/2007	20070625P-SB-E44V5.0-5.5N	5-5.5	5	9.6	4.6	194 J	E-19/E-28	-3.7
P-SB-E44	6/25/2007	20070625P-SB-E44V7.0-7.5N	7-7.5	7	9.6	2.6	270 J	E-19/E-28	-3.7
P-SB-E44	6/25/2007	20070625P-SB-E44V10.0-10.5N	10-10.5	10	9.6	-0.4	489 J	E-19/E-28	-3.7
P-SB-E44	6/25/2007	20070625P-SB-E44V12.0-12.5N	12-12.5	12	9.6	-2.4	6.6 J	E-19/E-28	-3.7
P-SB-E44	6/25/2007	20070625P-SB-E44V13.0-13.5N	13-13.5	13	9.6	-3.4	7.6 J	E-19/E-28	-3.7
P-SB-E46	6/27/2007	20070627P-SB-E46V0.0-0.5N	0-0.5	0	11.6	11.6	324	E-32/E-37/E-38	0
P-SB-E46	6/27/2007	20070627P-SB-E46V2.0-2.5N	2-2.5	2	11.6	9.6	2.8	E-32/E-37/E-38	0
P-SB-E46	6/27/2007	20070627P-SB-E46V5.0-5.5N	5-5.5	5	11.6	6.6	5.2	E-32/E-37/E-38	0
P-SB-E46	6/27/2007	20070627P-SB-E46V7.0-7.5N	7-7.5	7	11.6	4.6	9	E-32/E-37/E-38	0
P-SB-E46	6/27/2007	20070627P-SB-E46V10.0-10.5N	10-10.5	10	11.6	1.6	28.5	E-32/E-37/E-38	0
P-SB-E46	6/27/2007	20070627P-SB-E46V11.0-11.5N	11-11.5	11	11.6	0.6	0.71	E-32/E-37/E-38	0
P-SB-E46	6/27/2007	20070627P-SB-E46V12.0-12.5N	12-12.5	12	11.6	-0.4	1.4	E-32/E-37/E-38	0
P-SB-E47	6/27/2007	20070627P-SB-E47V0.0-0.5N	0-0.5	0	12.1	12.1	294	E-22/E-23/E-32	-1
P-SB-E47	6/27/2007	20070627P-SB-E47V2.0-2.5N	2-2.5	2	12.1	10.1	353	E-22/E-23/E-32	-1
P-SB-E47	6/27/2007	20070627P-SB-E47V5.0-5.5N	5-5.5	5	12.1	7.1	20.1	E-22/E-23/E-32	-1
P-SB-E47	6/27/2007	20070627P-SB-E47V7.0-7.5FD	7-7.5	7	12.1	5.1	2.5	E-22/E-23/E-32	-1
P-SB-E47	6/27/2007	20070627P-SB-E47V7.0-7.5N	7-7.5	7	12.1	5.1	2.3	E-22/E-23/E-32	-1
P-SB-E47	6/27/2007	20070627P-SB-E47V10.0-10.5N	10-10.5	10	12.1	2.1	103	E-22/E-23/E-32	-1
P-SB-E47	6/27/2007	20070627P-SB-E47V11.0-11.5N	11-11.5	11	12.1	1.1	1150 J	E-22/E-23/E-32	-1
P-SB-E47	6/27/2007	20070627P-SB-E47V12.0-12.5N	12-12.5	12	12.1	0.1	33.9 J	E-22/E-23/E-32	-1
P-SB-E47	6/27/2007	20070627P-SB-E47V13.0-13.5N	13-13.5	13	12.1	-0.9	3.8	E-22/E-23/E-32	-1
P-SB-E48	7/9/2007	20070709P-SB-E48V0.0-0.5N	0-0.5	0	3.9	3.9	44.1	E-7/E-13	-5.2
P-SB-E48	7/9/2007	20070709P-SB-E48V2.0-2.5N	2-2.5	2	3.9	1.9	33.2	E-7/E-13	-5.2
P-SB-E48	7/9/2007	20070709P-SB-E48V9.0-9.5N	9-9.5	9	3.9	-5.1	196	E-7/E-13	-5.2
P-SB-E48	7/9/2007	20070709P-SB-E48V10.0-10.5N	10-10.5	10	3.9	-6.1	11.9	E-7/E-13	-5.2
P-SB-E48	7/9/2007	20070709P-SB-E48V12.0-12.5N	12-12.5	12	3.9	-8.1	6.1	E-7/E-13	-5.2
P-SB-E48	7/9/2007	20070709P-SB-E48V13.0-13.5N	13-13.5	13	3.9	-9.1	4.4	E-7/E-13	-5.2
P-SB-E49	7/2/2007	20070702P-SB-E49V0.0-0.5N	0-0.5	0	9.6	9.6	238	E-9/E-22/E-31	-2.2
P-SB-E49	7/2/2007	20070702P-SB-E49V2.0-2.5N	2-2.5	2	9.6	7.6	22.5	E-9/E-22/E-31	-2.2
P-SB-E49	7/2/2007	20070702P-SB-E49V5.0-5.5N	5-5.5	5	9.6	4.6	61.6	E-9/E-22/E-31	-2.2

Table 3-8 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area E
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-E49	7/2/2007	20070702P-SB-E49V8.0-8.5N	8-8.5	8	9.6	1.6	5670 J	E-9/E-22/E-31	-2.2
P-SB-E49	7/2/2007	20070702P-SB-E49V10.0-10.5N	10-10.5	10	9.6	-0.4	70.2	E-9/E-22/E-31	-2.2
P-SB-E49	7/2/2007	20070702P-SB-E49V12.0-12.5FD	12-12.5	12	9.6	-2.4	0.2	E-9/E-22/E-31	-2.2
P-SB-E49	7/2/2007	20070702P-SB-E49V12.0-12.5N	12-12.5	12	9.6	-2.4	0.36	E-9/E-22/E-31	-2.2
P-SB-E49	7/2/2007	20070702P-SB-E49V13.0-13.5N	13-13.5	13	9.6	-3.4	0.051	E-9/E-22/E-31	-2.2
P-SB-E50	7/2/2007	20070702P-SB-E50V0.0-0.5FD	0-0.5	0	10.6	10.6	111 J	E-8/E-9/E-15	-2.3
P-SB-E50	7/2/2007	20070702P-SB-E50V0.0-0.5N	0-0.5	0	10.6	10.6	76.4 J	E-8/E-9/E-15	-2.3
P-SB-E50	7/2/2007	20070702P-SB-E50V2.0-2.5N	2-2.5	2	10.6	8.6	295	E-8/E-9/E-15	-2.3
P-SB-E50	7/2/2007	20070702P-SB-E50V5.0-5.5N	5-5.5	5	10.6	5.6	101	E-8/E-9/E-15	-2.3
P-SB-E50	7/2/2007	20070702P-SB-E50V7.0-7.5N	7-7.5	7	10.6	3.6	360	E-8/E-9/E-15	-2.3
P-SB-E50	7/2/2007	20070702P-SB-E50V10.0-10.5N	10-10.5	10	10.6	0.6	788	E-8/E-9/E-15	-2.3
P-SB-E50	7/2/2007	20070702P-SB-E50V12.0-12.5N	12-12.5	12	10.6	-1.4	4.3	E-8/E-9/E-15	-2.3
P-SB-E50	7/2/2007	20070702P-SB-E50V13.0-13.5N	13-13.5	13	10.6	-2.4	0.91	E-8/E-9/E-15	-2.3
P-SB-E51	6/27/2007	20070627P-SB-E51V0.0-0.5N	0-0.5	0	9	9.0	37.5	E-28	-2.4
P-SB-E51	6/27/2007	20070627P-SB-E51V2.0-2.5N	2-2.5	2	9	7.0	3.2	E-28	-2.4
P-SB-E51	6/27/2007	20070627P-SB-E51V5.0-5.5N	5-5.5	5	9	4.0	30.5	E-28	-2.4
P-SB-E51	6/27/2007	20070627P-SB-E51V7.0-7.5N	7-7.5	7	9	2.0	4.7 J	E-28	-2.4
P-SB-E51	6/27/2007	20070627P-SB-E51V10.0-10.5N	10-10.5	10	9	-1.0	72.1	E-28	-2.4
P-SB-E51	6/27/2007	20070627P-SB-E51V11.0-11.5FD	11-11.5	11	9	-2.0	0.87 J	E-28	-2.4
P-SB-E51	6/27/2007	20070627P-SB-E51V11.0-11.5N	11-11.5	11	9	-2.0	2.3 J	E-28	-2.4
P-SB-E51	6/27/2007	20070627P-SB-E51V12.0-12.5N	12-12.5	12	9	-3.0	2.7	E-28	-2.4
P-SB-E53	7/2/2007	20070702P-SB-E53V0.0-0.5N	0-0.5	0	11.6	11.6	422	E-22/E-31/E-32/E-37	-1.1
P-SB-E53	7/2/2007	20070702P-SB-E53V2.0-2.5N	2-2.5	2	11.6	9.6	22.2	E-22/E-31/E-32/E-37	-1.1
P-SB-E53	7/2/2007	20070702P-SB-E53V5.0-5.5N	5-5.5	5	11.6	6.6	208	E-22/E-31/E-32/E-37	-1.1
P-SB-E53	7/2/2007	20070702P-SB-E53V7.0-7.5N	7-7.5	7	11.6	4.6	0.99	E-22/E-31/E-32/E-37	-1.1
P-SB-E53	7/2/2007	20070702P-SB-E53V10.0-10.5N	10-10.5	10	11.6	1.6	151	E-22/E-31/E-32/E-37	-1.1
P-SB-E53	7/2/2007	20070702P-SB-E53V11.0-11.5N	11-11.5	11	11.6	0.6	62.8	E-22/E-31/E-32/E-37	-1.1
P-SB-E53	7/2/2007	20070702P-SB-E53V12.0-12.5N	12-12.5	12	11.6	-0.4	1.1	E-22/E-31/E-32/E-37	-1.1
P-SB-E54	7/3/2007	20070703P-SB-E54V0.0-0.5FD	0-0.5	0	11	11.0	648	E-9/E-15/E-31	-2.3
P-SB-E54	7/3/2007	20070703P-SB-E54V0.0-0.5N	0-0.5	0	11	11.0	549	E-9/E-15/E-31	-2.3
P-SB-E54	7/3/2007	20070703P-SB-E54V2.0-2.5N	2-2.5	2	11	9.0	6.3	E-9/E-15/E-31	-2.3
P-SB-E54	7/3/2007	20070703P-SB-E54V5.0-5.5N	5-5.5	5	11	6.0	21.1	E-9/E-15/E-31	-2.3
P-SB-E54	7/3/2007	20070703P-SB-E54V7.0-7.5N	7-7.5	7	11	4.0	2	E-9/E-15/E-31	-2.3
P-SB-E54	7/3/2007	20070703P-SB-E54V10.0-10.5N	10-10.5	10	11	1.0	1210 J	E-9/E-15/E-31	-2.3
P-SB-E54	7/3/2007	20070703P-SB-E54V12.0-12.5N	12-12.5	12	11	-1.0	8.6	E-9/E-15/E-31	-2.3
P-SB-E54	7/3/2007	20070703P-SB-E54V13.0-13.5N	13-13.5	13	11	-2.0	0.54	E-9/E-15/E-31	-2.3
P-SB-E55	7/3/2007	20070703P-SB-E55V0.0-0.5N	0-0.5	0	10	10.0	115	E-8/E-15	-2.3
P-SB-E55	7/3/2007	20070703P-SB-E55V2.0-2.5N	2-2.5	2	10	8.0	53.4	E-8/E-15	-2.3
P-SB-E55	7/3/2007	20070703P-SB-E55V5.0-5.5N	5-5.5	5	10	5.0	6.7	E-8/E-15	-2.3
P-SB-E55	7/3/2007	20070703P-SB-E55V7.0-7.5N	7-7.5	7	10	3.0	786	E-8/E-15	-2.3
P-SB-E55	7/3/2007	20070703P-SB-E55V10.0-10.5N	10-10.5	10	10	0.0	901	E-8/E-15	-2.3
P-SB-E55	7/3/2007	20070703P-SB-E55V12.0-12.5N	12-12.5	12	10	-2.0	0.59	E-8/E-15	-2.3
P-SB-E55	7/3/2007	20070703P-SB-E55V13.0-13.5N	13-13.5	13	10	-3.0	0.45	E-8/E-15	-2.3
P-SB-E56	7/3/2007	20070703P-SB-E56V0.0-0.5N	0-0.5	0	11.4	11.4	1100	E-30/E-31/E-37	-1.1
P-SB-E56	7/3/2007	20070703P-SB-E56V2.0-2.5N	2-2.5	2	11.4	9.4	4.7	E-30/E-31/E-37	-1.1
P-SB-E56	7/3/2007	20070703P-SB-E56V5.0-5.5N	5-5.5	5	11.4	6.4	288	E-30/E-31/E-37	-1.1
P-SB-E56	7/3/2007	20070703P-SB-E56V7.0-7.5N	7-7.5	7	11.4	4.4	5.1	E-30/E-31/E-37	-1.1
P-SB-E56	7/3/2007	20070703P-SB-E56V10.0-10.5N	10-10.5	10	11.4	1.4	505 J	E-30/E-31/E-37	-1.1
P-SB-E56	7/3/2007	20070703P-SB-E56V12.0-12.5N	12-12.5	12	11.4	-0.6	0.77	E-30/E-31/E-37	-1.1
P-SB-E56	7/3/2007	20070703P-SB-E56V13.0-13.5N	13-13.5	13	11.4	-1.6	0.25	E-30/E-31/E-37	-1.1
P-SB-E57	7/3/2007	20070703P-SB-E57V0.0-0.5N	0-0.5	0	9.6	9.6	101	E-14/E-15/E-31	-2.3

Table 3-8 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area E
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-E57	7/3/2007	20070703P-SB-E57V2.0-2.5N	2-2.5	2	9.6	7.6	50.7	E-14/E-15/E-31	-2.3
P-SB-E57	7/3/2007	20070703P-SB-E57V5.0-5.5N	5-5.5	5	9.6	4.6	58.4	E-14/E-15/E-31	-2.3
P-SB-E57	7/3/2007	20070703P-SB-E57V7.0-7.5N	7-7.5	7	9.6	2.6	1930 J	E-14/E-15/E-31	-2.3
P-SB-E57	7/3/2007	20070703P-SB-E57V10.0-10.5N	10-10.5	10	9.6	-0.4	0.19	E-14/E-15/E-31	-2.3
P-SB-E57	7/3/2007	20070703P-SB-E57V12.0-12.5FD	12-12.5	12	9.6	-2.4	0.053	E-14/E-15/E-31	-2.3
P-SB-E57	7/3/2007	20070703P-SB-E57V12.0-12.5N	12-12.5	12	9.6	-2.4	0.043	E-14/E-15/E-31	-2.3
P-SB-E57	7/3/2007	20070703P-SB-E57V13.0-13.5N	13-13.5	13	9.6	-3.4	0.24	E-14/E-15/E-31	-2.3
P-SB-E58	7/5/2007	20070705P-SB-E58V0.0-0.5N	0-0.5	0	11.2	11.2	29.1	E-14/E-30/E-31	-1.6
P-SB-E58	7/5/2007	20070705P-SB-E58V2.0-2.5N	2-2.5	2	11.2	9.2	3.7	E-14/E-30/E-31	-1.6
P-SB-E58	7/5/2007	20070705P-SB-E58V5.0-5.5FD	5-5.5	5	11.2	6.2	7.1	E-14/E-30/E-31	-1.6
P-SB-E58	7/5/2007	20070705P-SB-E58V5.0-5.5N	5-5.5	5	11.2	6.2	6	E-14/E-30/E-31	-1.6
P-SB-E58	7/5/2007	20070705P-SB-E58V7.0-7.5N	7-7.5	7	11.2	4.2	28.5 J	E-14/E-30/E-31	-1.6
P-SB-E58	7/5/2007	20070705P-SB-E58V10.0-10.5N	10-10.5	10	11.2	1.2	673 J	E-14/E-30/E-31	-1.6
P-SB-E58	7/5/2007	20070705P-SB-E58V12.0-12.5N	12-12.5	12	11.2	-0.8	12.7	E-14/E-30/E-31	-1.6
P-SB-E58	7/5/2007	20070705P-SB-E58V13.0-13.5N	13-13.5	13	11.2	-1.8	4.3	E-14/E-30/E-31	-1.6
P-SB-E59	7/5/2007	20070705P-SB-E59V0.0-0.5N	0-0.5	0	8.7	8.7	1330	E-14/E-15	-2.3
P-SB-E59	7/5/2007	20070705P-SB-E59V2.0-2.5N	2-2.5	2	8.7	6.7	115	E-14/E-15	-2.3
P-SB-E59	7/5/2007	20070705P-SB-E59V5.0-5.5N	5-5.5	5	8.7	3.7	3230	E-14/E-15	-2.3
P-SB-E59	7/5/2007	20070705P-SB-E59V7.0-7.5FD	7-7.5	7	8.7	1.7	1970 J	E-14/E-15	-2.3
P-SB-E59	7/5/2007	20070705P-SB-E59V7.0-7.5N	7-7.5	7	8.7	1.7	1010 J	E-14/E-15	-2.3
P-SB-E59	7/5/2007	20070705P-SB-E59V10.0-10.5N	10-10.5	10	8.7	-1.3	3.6	E-14/E-15	-2.3
P-SB-E59	7/5/2007	20070705P-SB-E59V12.0-12.5N	12-12.5	12	8.7	-3.3	11.7	E-14/E-15	-2.3
P-SB-E59	7/5/2007	20070705P-SB-E59V13.0-13.5N	13-13.5	13	8.7	-4.3	0.55	E-14/E-15	-2.3
P-SB-E60	7/5/2007	20070705P-SB-E60V0.0-0.5N	0-0.5	0	9.9	9.9	112	E-8/E-15	-2.3
P-SB-E60	7/5/2007	20070705P-SB-E60V2.0-2.5N	2-2.5	2	9.9	7.9	46.8	E-8/E-15	-2.3
P-SB-E60	7/5/2007	20070705P-SB-E60V5.0-5.5N	5-5.5	5	9.9	4.9	16.8	E-8/E-15	-2.3
P-SB-E60	7/5/2007	20070705P-SB-E60V7.0-7.5N	7-7.5	7	9.9	2.9	2.6	E-8/E-15	-2.3
P-SB-E60	7/5/2007	20070705P-SB-E60V10.0-10.5N	10-10.5	10	9.9	-0.1	9.9	E-8/E-15	-2.3
P-SB-E60	7/5/2007	20070705P-SB-E60V12.0-12.5N	12-12.5	12	9.9	-2.1	0.25	E-8/E-15	-2.3
P-SB-E60	7/5/2007	20070705P-SB-E60V13.0-13.5N	13-13.5	13	9.9	-3.1	0.074	E-8/E-15	-2.3
P-SB-E61	7/9/2007	20070709P-SB-E61V0.0-0.5N	0-0.5	0	11	11.0	4120 J	E-30/E-35/E-37	-1
P-SB-E61	7/9/2007	20070709P-SB-E61V2.0-2.5N	2-2.5	2	11	9.0	9.7 J	E-30/E-35/E-37	-1
P-SB-E61	7/9/2007	20070709P-SB-E61V5.0-5.5N	5-5.5	5	11	6.0	161 J	E-30/E-35/E-37	-1
P-SB-E61	7/9/2007	20070709P-SB-E61V7.0-7.5N	7-7.5	7	11	4.0	7.1 J	E-30/E-35/E-37	-1
P-SB-E61	7/9/2007	20070709P-SB-E61V10.0-10.5FD	10-10.5	10	11	1.0	234 J	E-30/E-35/E-37	-1
P-SB-E61	7/9/2007	20070709P-SB-E61V10.0-10.5N	10-10.5	10	11	1.0	208 J	E-30/E-35/E-37	-1
P-SB-E61	7/9/2007	20070709P-SB-E61V12.0-12.5N	12-12.5	12	11	-1.0	0.15 J	E-30/E-35/E-37	-1
P-SB-E61	7/9/2007	20070709P-SB-E61V13.0-13.5N	13-13.5	13	11	-2.0	0.055 J	E-30/E-35/E-37	-1
P-SB-E66	7/6/2007	20070706P-SB-E66V0.0-0.5N	0-0.5	0	10.3	10.3	971 J	E-14/E-29/E-30	-1.6
P-SB-E66	7/6/2007	20070706P-SB-E66V2.0-2.5N	2-2.5	2	10.3	8.3	3 J	E-14/E-29/E-30	-1.6
P-SB-E66	7/6/2007	20070706P-SB-E66V5.0-5.5FD	5-5.5	5	10.3	5.3	202 J	E-14/E-29/E-30	-1.6
P-SB-E66	7/6/2007	20070706P-SB-E66V5.0-5.5N	5-5.5	5	10.3	5.3	123 J	E-14/E-29/E-30	-1.6
P-SB-E66	7/6/2007	20070706P-SB-E66V7.0-7.5N	7-7.5	7	10.3	3.3	5 J	E-14/E-29/E-30	-1.6
P-SB-E66	7/6/2007	20070706P-SB-E66V10.0-10.5N	10-10.5	10	10.3	0.3	7.3 J	E-14/E-29/E-30	-1.6
P-SB-E66	7/6/2007	20070706P-SB-E66V12.0-12.5N	12-12.5	12	10.3	-1.7	0.39 J	E-14/E-29/E-30	-1.6
P-SB-E66	7/6/2007	20070706P-SB-E66V13.0-13.5N	13-13.5	13	10.3	-2.7	0.058 J	E-14/E-29/E-30	-1.6
P-SB-E67	7/6/2007	20070706P-SB-E67V0.0-0.5N	0-0.5	0	11.7	11.7	929 J	E-30/E-35	-1
P-SB-E67	7/6/2007	20070706P-SB-E67V2.0-2.5N	2-2.5	2	11.7	9.7	2.2 J	E-30/E-35	-1
P-SB-E67	7/6/2007	20070706P-SB-E67V5.0-5.5N	5-5.5	5	11.7	6.7	12.5 J	E-30/E-35	-1
P-SB-E67	7/6/2007	20070706P-SB-E67V7.0-7.5N	7-7.5	7	11.7	4.7	21.6 J	E-30/E-35	-1
P-SB-E67	7/6/2007	20070706P-SB-E67V10.0-10.5N	10-10.5	10	11.7	1.7	154 J	E-30/E-35	-1

Table 3-8 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area E
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-E67	7/6/2007	20070706P-SB-E67V12.0-12.5N	12-12.5	12	11.7	-0.3	0.041 J	E-30/E-35	-1
P-SB-E67	7/6/2007	20070706P-SB-E67V13.0-13.5N	13-13.5	13	11.7	-1.3	0.17 J	E-30/E-35	-1
P-SB-E68	7/9/2007	20070709P-SB-E68V0.0-0.5N	0-0.5	0	12.4	12.4	35.9 J	E-29/E-35	7.9
P-SB-E68	7/9/2007	20070709P-SB-E68V2.0-2.5N	2-2.5	2	12.4	10.4	2.9 J	E-29/E-35	7.9
P-SB-E68	7/9/2007	20070709P-SB-E68V5.0-5.5FD	5-5.5	5	12.4	7.4	12 J	E-29/E-35	7.9
P-SB-E68	7/9/2007	20070709P-SB-E68V5.0-5.5N	5-5.5	5	12.4	7.4	13.4 J	E-29/E-35	7.9
P-SB-E68	7/9/2007	20070709P-SB-E68V7.0-7.5N	7-7.5	7	12.4	5.4	383 J	E-29/E-35	7.9
P-SB-E68	7/9/2007	20070709P-SB-E68V10.0-10.5N	10-10.5	10	12.4	2.4	34.8	E-29/E-35	7.9
P-SB-E68	7/9/2007	20070709P-SB-E68V12.0-12.5N	12-12.5	12	12.4	0.4	0.18	E-29/E-35	7.9
P-SB-E68	7/9/2007	20070709P-SB-E68V13.0-13.5N	13-13.5	13	12.4	-0.6	0.13	E-29/E-35	7.9
P-SB-E69	7/10/2007	20070710P-SB-E69V0.0-0.5N	0-0.5	0	10	10.0	24.8	E-14/E-29	-1.6
P-SB-E69	7/10/2007	20070710P-SB-E69V2.0-2.5N	2-2.5	2	10	8.0	219	E-14/E-29	-1.6
P-SB-E69	7/10/2007	20070710P-SB-E69V5.0-5.5N	5-5.5	5	10	5.0	383	E-14/E-29	-1.6
P-SB-E69	7/10/2007	20070710P-SB-E69V7.0-7.5N	7-7.5	7	10	3.0	94.7	E-14/E-29	-1.6
P-SB-E69	7/10/2007	20070710P-SB-E69V10.0-10.5N	10-10.5	10	10	0.0	373	E-14/E-29	-1.6
P-SB-E69	7/10/2007	20070710P-SB-E69V12.0-12.5FD	12-12.5	12	10	-2.0	0.065	E-14/E-29	-1.6
P-SB-E69	7/10/2007	20070710P-SB-E69V12.0-12.5N	12-12.5	12	10	-2.0	0.02 J	E-14/E-29	-1.6
P-SB-E69	7/10/2007	20070710P-SB-E69V13.0-13.5N	13-13.5	13	10	-3.0	0.015 J	E-14/E-29	-1.6
P-SB-E70	7/9/2007	20070709P-SB-E70V0.0-0.5N	0-0.5	0	11.3	11.3	1420 J	E-37	8.9
P-SB-E70	7/9/2007	20070709P-SB-E70V2.0-2.5N	2-2.5	2	11.3	9.3	47.4 J	E-37	8.9
P-SB-E70	7/9/2007	20070709P-SB-E70V5.0-5.5N	5-5.5	5	11.3	6.3	131 J	E-37	8.9
P-SB-E70	7/9/2007	20070709P-SB-E70V7.0-7.5N	7-7.5	7	11.3	4.3	17.5 J	E-37	8.9
P-SB-E70	7/9/2007	20070709P-SB-E70V10.0-10.5N	10-10.5	10	11.3	1.3	235 J	E-37	8.9
P-SB-E70	7/9/2007	20070709P-SB-E70V12.0-12.5N	12-12.5	12	11.3	-0.7	2 J	E-37	8.9
P-SB-E70	7/9/2007	20070709P-SB-E70V13.0-13.5N	13-13.5	13	11.3	-1.7	6.6 J	E-37	8.9
P-SB-E71	7/10/2007	20070710P-SB-E71V0.0-0.5FD	0-0.5	0	7.9	7.9	377	E-21	-7.3
P-SB-E71	7/10/2007	20070710P-SB-E71V0.0-0.5N	0-0.5	0	7.9	7.9	425	E-21	-7.3
P-SB-E71	7/10/2007	20070710P-SB-E71V2.0-2.5N	2-2.5	2	7.9	5.9	0.99	E-21	-7.3
P-SB-E71	7/10/2007	20070710P-SB-E71V5.0-5.5N	5-5.5	5	7.9	2.9	413	E-21	-7.3
P-SB-E71	7/10/2007	20070710P-SB-E71V7.0-7.5N	7-7.5	7	7.9	0.9	8770	E-21	-7.3
P-SB-E71	7/10/2007	20070710P-SB-E71V15.0-15.5N	15-15.5	15	7.9	-7.1	146	E-21	-7.3
P-SB-E71	7/10/2007	20070710P-SB-E71V16.0-16.5N	16-16.5	16	7.9	-8.1	36.3	E-21	-7.3
P-SB-E72	7/19/2007	20070719P-SB-E72V0.0-0.5N	0-0.5	0	11.9	11.9	1620	E-35/E-36	8.6
P-SB-E72	7/19/2007	20070719P-SB-E72V2.0-2.5N	2-2.5	2	11.9	9.9	7.5	E-35/E-36	8.6
P-SB-E72	7/19/2007	20070719P-SB-E72V5.0-5.5N	5-5.5	5	11.9	6.9	17.5	E-35/E-36	8.6
P-SB-E73	7/19/2007	20070719P-SB-E73V0.0-0.5N	0-0.5	0	11.6	11.6	15600	E-35/E-36/E-37	8.6
P-SB-E73	7/19/2007	20070719P-SB-E73V2.0-2.5N	2-2.5	2	11.6	9.6	4.9	E-35/E-36/E-37	8.6
P-SB-E73	7/19/2007	20070719P-SB-E73V5.0-5.5N	5-5.5	5	11.6	6.6	62.1	E-35/E-36/E-37	8.6
P-SB-E75	7/25/2007	20070725P-SB-E75V0.0-0.5FD	0-0.5	0	12.3	12.3	873	E-36/E-39	8.1
P-SB-E75	7/25/2007	20070725P-SB-E75V0.0-0.5N	0-0.5	0	12.3	12.3	835	E-36/E-39	8.1
P-SB-E75	7/25/2007	20070725P-SB-E75V2.0-2.5N	2-2.5	2	12.3	10.3	5.1	E-36/E-39	8.1
P-SB-E75	7/25/2007	20070725P-SB-E75V5.0-5.5N	5-5.5	5	12.3	7.3	21.3	E-36/E-39	8.1
P-SB-E75	7/25/2007	20070725P-SB-E75V7.0-7.5N	7-7.5	7	12.3	5.3	93.4	E-36/E-39	8.1
P-SB-E75	7/25/2007	20070725P-SB-E75V10.0-10.5N	10-10.5	10	12.3	2.3	6.7	E-36/E-39	8.1
P-SB-E75	7/25/2007	20070725P-SB-E75V11.0-11.5N	11-11.5	11	12.3	1.3	2	E-36/E-39	8.1
P-SB-E77	8/2/2007	20070802P-SB-E77V0.0-0.5N	0-0.5	0	11.1	11.1	2070	E-36	8.6
P-SB-E77	8/2/2007	20070802P-SB-E77V2.0-2.5N	2-2.5	2	11.1	9.1	1.2	E-36	8.6
P-SB-E77	8/2/2007	20070802P-SB-E77V3.0-3.5N	3-3.5	3	11.1	8.1	161	E-36	8.6
P-SB-E78	8/1/2007	20070801P-SB-E78V0.0-0.5N	0-0.5	0	11.3	11.3	1880	E-39	8.1
P-SB-E78	8/1/2007	20070801P-SB-E78V2.0-2.5N	2-2.5	2	11.3	9.3	1.6	E-39	8.1
P-SB-E78	8/1/2007	20070801P-SB-E78V3.0-3.5N	3-3.5	3	11.3	8.3	7.9	E-39	8.1

Table 3-8 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area E
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-E79	8/2/2007	20070802P-SB-E79V6.0-6.5N	6-6.5	6	10.2	4.2	57.7	E-9/E-10	-4.2
P-SB-E79	8/2/2007	20070802P-SB-E79V7.0-7.5N	7-7.5	7	10.2	3.2	422 J	E-9/E-10	-4.2
P-SB-E80	8/3/2007	20070803P-SB-E80V5.0-5.5N	5-5.5	5	9.5	4.5	173	E-1/E-4	-1.1
P-SB-E80	8/3/2007	20070803P-SB-E80V6.0-6.5N	6-6.5	6	9.5	3.5	6.5	E-1/E-4	-1.1
P-SB-E81	8/3/2007	20070803P-SB-E81V6.0-6.5N	6-6.5	6	10.1	4.1	156	E-2	5.4
P-SB-E81	8/3/2007	20070803P-SB-E81V7.0-7.5N	7-7.5	7	10.1	3.1	56.9	E-2	5.4
P-SB-E82	8/3/2007	20070803P-SB-E82V0.0-0.5N	0-0.5	0	9.5	9.5	263	E-1	0.1
P-SB-E82	8/3/2007	20070803P-SB-E82V2.0-2.5N	2-2.5	2	9.5	7.5	156	E-1	0.1
P-SB-E82	8/3/2007	20070803P-SB-E82V5.0-5.5N	5-5.5	5	9.5	4.5	46.4	E-1	0.1
P-SB-E82	8/3/2007	20070803P-SB-E82V6.0-6.5N	6-6.5	6	9.5	3.5	10.1	E-1	0.1
P-SB-E82	8/3/2007	20070803P-SB-E82V7.0-7.5N	7-7.5	7	9.5	2.5	6.5	E-1	0.1
P-SB-E83	8/2/2007	20070802P-SB-E83V6.0-6.5N	6-6.5	6	10.2	4.2	3.4	E-1	0.1
P-SB-E83	8/2/2007	20070802P-SB-E83V7.0-7.5FD	7-7.5	7	10.2	3.2	6.2	E-1	0.1
P-SB-E83	8/2/2007	20070802P-SB-E83V7.0-7.5N	7-7.5	7	10.2	3.2	4.4	E-1	0.1
P-SB-E84	8/8/2007	20070808P-SB-E84V0.0-0.5N	0-0.5	0	11.8	11.8	818	E-39	8.1
P-SB-E84	8/8/2007	20070808P-SB-E84V2.0-2.5FD	2-2.5	2	11.8	9.8	12.3	E-39	8.1
P-SB-E84	8/8/2007	20070808P-SB-E84V2.0-2.5N	2-2.5	2	11.8	9.8	10.6	E-39	8.1
P-SB-E84	8/8/2007	20070808P-SB-E84V3.0-3.5N	3-3.5	3	11.8	8.8	0.45	E-39	8.1
P-SB-E86	8/9/2007	20070809P-SB-E86V0.0-0.5N	0-0.5	0	10.9	10.9	357 J	E-39	8.1
P-SB-E86	8/9/2007	20070809P-SB-E86V2.0-2.5N	2-2.5	2	10.9	8.9	43.2 J	E-39	8.1
P-SB-E86	8/9/2007	20070809P-SB-E86V3.0-3.5N	3-3.5	3	10.9	7.9	23.9 R	E-39	8.1
P-SB-E87	2/27/2009	PSBE87-0.0-0.5	0-0.5	0.0	12.7	12.7	70	E-27/E-33/E-34	-0.2
P-SB-E87	2/27/2009	PSBE87-2.5-3.0	2.5-3.0	2.5	12.7	10.2	16	E-27/E-33/E-34	-0.2
P-SB-E88	2/27/2009	PSBE88-0.0-0.5	0-.5	0.0	11.9	11.9	89	E-27	-0.2
P-SB-E88	2/27/2009	PSBE88-2.0-2.5	2-2.5	2.0	11.9	9.9	35	E-27	-0.2
P-SB-E88	2/27/2009	PSBE88-4.0-4.5	4-4.5	4.0	11.9	7.9	91.5	E-27	-0.2
P-SB-E88	2/27/2009	PSBE88-10.9-11.4	10.9-11.4	10.9	11.9	1.0	236.5	E-27	-0.2
P-SB-E89	2/27/2009	PSBE89-0.0-0.5	0-.5	0.0	11.9	11.9	81.5	E-19/E-27	-3.7
P-SB-E89	2/27/2009	PSBE89-4.0-4.5	4-4.5	4.0	11.9	7.9	113.5	E-19/E-27	-3.7
P-SB-E89	2/27/2009	PSBE89-8.9-9.4	8.9-9.4	8.9	11.9	3.0	124	E-19/E-27	-3.7
P-SB-E9	3/26/2007	20070326P-SB-E9V0.0-0.5N	0-0.5	0	9.4	9.4	29.7	E-1	0.1
P-SB-E9	3/26/2007	20070326P-SB-E9V2.0-2.5N	2-2.5	2	9.4	7.4	111	E-1	0.1
P-SB-E9	3/26/2007	20070326P-SB-E9V4.0-4.5N	4-4.5	4	9.4	5.4	33.8	E-1	0.1
P-SB-E9	3/26/2007	20070326P-SB-E9V6.0-6.5N	6-6.5	6	9.4	3.4	7.4	E-1	0.1
P-SB-E9	3/26/2007	20070326P-SB-E9V8.0-8.5N	8-8.5	8	9.4	1.4	50.2	E-1	0.1
P-SB-E9	3/26/2007	20070326P-SB-E9V9.0-9.5N	9-9.5	9	9.4	0.4	5.3 J	E-1	0.1
P-SB-E9	3/26/2007	20070326P-SB-E9V10.0-10.5FD	10-10.5	10	9.4	-0.6	0.78	E-1	0.1
P-SB-E9	3/26/2007	20070326P-SB-E9V10.0-10.5N	10-10.5	10	9.4	-0.6	0.9	E-1	0.1
P-SB-E94	3/3/2009	PSBE94-0.0-0.5	0-.5	0.0	10.6	10.6	14	E-3/E-5/E-6	-5.3
P-SB-E94	3/3/2009	PSBE94-6.6-7.1	6.6-7.1	6.6	10.6	4.0	58.5	E-3/E-5/E-6	-5.3
P-SB-E95	2/27/2009	PSBE95-0.0-0.5	0-.5	0.0	13.0	13.0	54	E-2/E-3	0.6
P-SB-E95	2/27/2009	PSBE95-4.0-4.5	4-4.5	4.0	13.0	9.0	236.5	E-2/E-3	0.6
P-SB-E95	2/27/2009	PSBE95-9.0-9.5	9-9.5	9.0	13.0	4.0	47	E-2/E-3	0.6
P-SB-E96	2/27/2009	PSBE96-0.0-0.5	0-.5	0.0	10.5	10.5	60.5	E-1/E-2	0.1
P-SB-E96	2/27/2009	PSBE96-3.6-4.1	3.6-4.1	3.6	10.5	6.9	14	E-1/E-2	0.1
P-SB-E99	2/27/2009	PSBE99-0.0-0.5	0.0	0.0	9.9	9.9	71	E-1/E-9	-2.2
P-SB-F1	3/7/2007	20070307P-SB-F1V0.0-0.5N	0-0.5	0	11.2	11.2	335	E-39/F-2	1.4
P-SB-F1	3/7/2007	20070307P-SB-F1V3.0-3.5N	3-3.5	3	11.2	8.2	131	E-39/F-2	1.4
P-SB-F1	3/7/2007	20070307P-SB-F1V5.0-5.5N	5-5.5	5	11.2	6.2	145	E-39/F-2	1.4
P-SB-F1	3/7/2007	20070307P-SB-F1V7.0-7.5N	7-7.5	7	11.2	4.2	126	E-39/F-2	1.4

Table 3-8 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area E
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-F1	3/7/2007	20070307P-SB-F1V9.0-9.5N	9-9.5	9	11.2	2.2	173 J	E-39/F-2	1.4
P-SB-F10	3/22/2007	20070322P-SB-F10V0.0-0.5N	0-0.5	0	11.6	11.6	695	E-36/E-39/F-2/F-6	1.4
P-SB-F10	3/22/2007	20070322P-SB-F10V2.0-2.5N	2-2.5	2	11.6	9.6	65.6	E-36/E-39/F-2/F-6	1.4
P-SB-F10	3/22/2007	20070322P-SB-F10V4.0-4.5N	4-4.5	4	11.6	7.6	475	E-36/E-39/F-2/F-6	1.4
P-SB-F10	3/22/2007	20070322P-SB-F10V6.0-6.5N	6-6.5	6	11.6	5.6	293	E-36/E-39/F-2/F-6	1.4
P-SB-F10	3/22/2007	20070322P-SB-F10V10.0-10.5N	10-10.5	10	11.6	1.6	16.6 J	E-36/E-39/F-2/F-6	1.4
P-SB-F12	3/23/2007	20070323P-SB-F12V0.0-0.5N	0-0.5	0	11	11.0	107 J	E-39/F-2	1.4
P-SB-F12	3/23/2007	20070323P-SB-F12V2.0-2.5FD	2-2.5	2	11	9.0	33.5 J	E-39/F-2	1.4
P-SB-F12	3/23/2007	20070323P-SB-F12V2.0-2.5N	2-2.5	2	11	9.0	31.1 J	E-39/F-2	1.4
P-SB-F12	3/23/2007	20070323P-SB-F12V4.0-4.5N	4-4.5	4	11	7.0	122 J	E-39/F-2	1.4
P-SB-F12	3/23/2007	20070323P-SB-F12V6.0-6.5N	6-6.5	6	11	5.0	28.4 J	E-39/F-2	1.4
P-SB-F12	3/23/2007	20070323P-SB-F12V8.0-8.5N	8-8.5	8	11	3.0	54.9 J	E-39/F-2	1.4
P-SB-F14	4/24/2007	20070424P-SB-F14V0.0-0.5FD	0-0.5	0	12.3	12.3	351	E-36/E-37/F-6	7.1
P-SB-F14	4/24/2007	20070424P-SB-F14V0.0-0.5N	0-0.5	0	12.3	12.3	352	E-36/E-37/F-6	7.1
P-SB-F14	4/24/2007	20070424P-SB-F14V2.0-2.5N	2-2.5	2	12.3	10.3	122	E-36/E-37/F-6	7.1
P-SB-F14	4/24/2007	20070424P-SB-F14V4.0-4.5N	4-4.5	4	12.3	8.3	117	E-36/E-37/F-6	7.1
P-SB-F14	4/24/2007	20070424P-SB-F14V8.0-8.5N	8-8.5	8	12.3	4.3	72.3	E-36/E-37/F-6	7.1
P-SB-F14	4/24/2007	20070424P-SB-F14V10.0-10.5N	10-10.5	10	12.3	2.3	21.7	E-36/E-37/F-6	7.1
P-SB-F14	4/24/2007	20070424P-SB-F14V12.0-12.5N	12-12.5	12	12.3	0.3	16.6	E-36/E-37/F-6	7.1
P-SB-F14	4/24/2007	20070424P-SB-F14V14.0-14.5N	14-14.5	14	12.3	-1.7	4.4	E-36/E-37/F-6	7.1
P-SB-F15	4/24/2007	20070424P-SB-F15V0.0-0.5N	0-0.5	0	12.5	12.5	146	E-37/E-38/F-5/F-6	0
P-SB-F15	4/24/2007	20070424P-SB-F15V2.0-2.5N	2-2.5	2	12.5	10.5	20.5	E-37/E-38/F-5/F-6	0
P-SB-F15	4/24/2007	20070424P-SB-F15V4.0-4.5N	4-4.5	4	12.5	8.5	59.6	E-37/E-38/F-5/F-6	0
P-SB-F15	4/24/2007	20070424P-SB-F15V6.0-6.5N	6-6.5	6	12.5	6.5	21.2	E-37/E-38/F-5/F-6	0
P-SB-F15	4/24/2007	20070424P-SB-F15V8.0-8.5N	8-8.5	8	12.5	4.5	77.5	E-37/E-38/F-5/F-6	0
P-SB-F15	4/24/2007	20070424P-SB-F15V10.0-10.5N	10-10.5	10	12.5	2.5	32.1	E-37/E-38/F-5/F-6	0
P-SB-F15	4/24/2007	20070424P-SB-F15V12.0-12.5N	12-12.5	12	12.5	0.5	20.3 J	E-37/E-38/F-5/F-6	0
P-SB-F20	5/30/2007	20070530P-SB-F20V0.0-0.5N	0-0.5	0	12.6	12.6	67.8 J	F-1/F-5	-2.8
P-SB-F20	5/30/2007	20070530P-SB-F20V2.0-2.5N	2-2.5	2	12.6	10.6	17.7 J	F-1/F-5	-2.8
P-SB-F20	5/30/2007	20070530P-SB-F20V4.0-4.5N	4-4.5	4	12.6	8.6	36 J	F-1/F-5	-2.8
P-SB-F20	5/30/2007	20070530P-SB-F20V6.0-6.5N	6-6.5	6	12.6	6.6	7.6 J	F-1/F-5	-2.8
P-SB-F20	5/30/2007	20070530P-SB-F20V8.0-8.5N	8-8.5	8	12.6	4.6	2.8 J	F-1/F-5	-2.8
P-SB-F20	5/30/2007	20070530P-SB-F20V10.0-10.5N	10-10.5	10	12.6	2.6	2.1 J	F-1/F-5	-2.8
P-SB-F20	5/30/2007	20070530P-SB-F20V12.0-12.5N	12-12.5	12	12.6	0.6	7.4 J	F-1/F-5	-2.8
P-SB-F20	5/30/2007	20070530P-SB-F20V14.0-14.5N	14-14.5	14	12.6	-1.4	1.3 J	F-1/F-5	-2.8
P-SB-F20	5/30/2007	20070530P-SB-F20V16.0-16.5N	16-16.5	16	12.6	-3.4	0.31 J	F-1/F-5	-2.8
P-SB-F22	7/10/2007	20070710P-SB-F22V0.0-0.5N	0-0.5	0	12.6	12.6	3000 J	F-1	-2.8
P-SB-F22	7/10/2007	20070710P-SB-F22V2.0-2.5N	2-2.5	2	12.6	10.6	0.44 J	F-1	-2.8
P-SB-F22	7/10/2007	20070710P-SB-F22V5.0-5.5N	5-5.5	5	12.6	7.6	2700 J	F-1	-2.8
P-SB-F22	7/10/2007	20070710P-SB-F22V7.0-7.5N	7-7.5	7	12.6	5.6	260 J	F-1	-2.8
P-SB-F22	7/11/2007	20070711P-SB-F22V10.0-10.5N	10-10.5	10	12.6	2.6	117	F-1	-2.8
P-SB-F22	7/11/2007	20070711P-SB-F22V12.0-12.5N	12-12.5	12	12.6	0.6	1.3	F-1	-2.8
P-SB-F22	7/11/2007	20070711P-SB-F22V15.0-15.5N	15-15.5	15	12.6	-2.4	6.4	F-1	-2.8
P-SB-F22	7/11/2007	20070711P-SB-F22V16.0-16.5N	16-16.5	16	12.6	-3.4	0.47	F-1	-2.8
P-SB-F23	7/10/2007	20070710P-SB-F23V0.0-0.5N	0-0.5	0	14.1	14.1	118	F-1	-2.8
P-SB-F23	7/10/2007	20070710P-SB-F23V2.0-2.5N	2-2.5	2	14.1	12.1	339	F-1	-2.8
P-SB-F23	7/10/2007	20070710P-SB-F23V5.0-5.5N	5-5.5	5	14.1	9.1	94.5	F-1	-2.8
P-SB-F23	7/10/2007	20070710P-SB-F23V10.0-10.5N	10-10.5	10	14.1	4.1	70.4	F-1	-2.8
P-SB-F23	7/10/2007	20070710P-SB-F23V12.0-12.5N	12-12.5	12	14.1	2.1	89.8 J	F-1	-2.8
P-SB-F23	7/10/2007	20070710P-SB-F23V15.0-15.5N	15-15.5	15	14.1	-0.9	3.8	F-1	-2.8
P-SB-F23	7/10/2007	20070710P-SB-F23V16.0-16.5N	16-16.5	16	14.1	-1.9	0.087	F-1	-2.8

Table 3-8 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area E
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-F25	7/11/2007	20070711P-SB-F25V0.0-0.5N	0-0.5	0	10.8	10.8	186	F-1	-2.8
P-SB-F25	7/12/2007	20070712P-SB-F25V2.0-2.5N	2-2.5	2	10.8	8.8	479	F-1	-2.8
P-SB-F25	7/11/2007	20070711P-SB-F25V5.0-5.5N	5-5.5	5	10.8	5.8	49.4	F-1	-2.8
P-SB-F25	7/11/2007	20070711P-SB-F25V10.0-10.5N	10-10.5	10	10.8	0.8	49.8 J	F-1	-2.8
P-SB-F25	7/11/2007	20070711P-SB-F25V12.0-12.5N	12-12.5	12	10.8	-1.2	1.9 J	F-1	-2.8
P-SB-F25	7/11/2007	20070711P-SB-F25V13.0-13.5N	13-13.5	13	10.8	-2.2	0.089	F-1	-2.8
P-SB-F28	8/3/2007	20070803P-SB-F28V6.0-6.5N	6-6.5	6	14	8.0	15.2	E-34	5.6
P-SB-F28	8/3/2007	20070803P-SB-F28V7.0-7.5FD	7-7.5	7	14	7.0	17.9	E-34	5.6
P-SB-F28	8/3/2007	20070803P-SB-F28V7.0-7.5N	7-7.5	7	14	7.0	18.5 J	E-34	5.6
P-SB-F29	8/3/2007	20070803P-SB-F29V6.0-6.5N	6-6.5	6	13.2	7.2	62.8	E-34	5.6
P-SB-F29	8/3/2007	20070803P-SB-F29V7.0-7.5N	7-7.5	7	13.2	6.2	455	E-34	5.6
P-SB-F33	8/3/2007	20070803P-SB-F33V6.0-6.5N	6-6.5	6	11.1	5.1	0.82	E-39/F-2	1.4
P-SB-F33	8/3/2007	20070803P-SB-F33V7.0-7.5N	7-7.5	7	11.1	4.1	2.1	E-39/F-2	1.4
P-SB-F9	3/22/2007	20070322P-SB-F9V0.0-0.5N	0-0.5	0	10.43	10.4	449	E-39	8.1
P-SB-F9	3/22/2007	20070322P-SB-F9V2.0-2.5N	2-2.5	2	10.43	8.4	157	E-39	8.1
P-SB-F9	3/22/2007	20070322P-SB-F9V4.0-4.5N	4-4.5	4	10.43	6.4	224	E-39	8.1
P-SB-F9	3/22/2007	20070322P-SB-F9V6.0-6.5N	6-6.5	6	10.43	4.4	345	E-39	8.1
P-SB-F9	3/22/2007	20070322P-SB-F9V8.0-8.5N	8-8.5	8	10.43	2.4	10.2	E-39	8.1

[1]Where sample point is shared by multiple excavation subareas, the depth of the sample > 620 mg/kg mercury was always taken to the lowest excavation elevation as defined in the construction drawings. See excavation as-builts.

Indicates a result greater than 620 mg/kg

Table 3-9 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area F
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID[2]	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-F1	3/7/2007	20070307P-SB-F1V0.0-0.5N	0-0.5	0	11.2	11.2	335	E-39/F-2	1.4
P-SB-F1	3/7/2007	20070307P-SB-F1V3.0-3.5N	3-3.5	3	11.2	8.2	131	E-39/F-2	1.4
P-SB-F1	3/7/2007	20070307P-SB-F1V5.0-5.5N	5-5.5	5	11.2	6.2	145	E-39/F-2	1.4
P-SB-F1	3/7/2007	20070307P-SB-F1V7.0-7.5N	7-7.5	7	11.2	4.2	126	E-39/F-2	1.4
P-SB-F1	3/7/2007	20070307P-SB-F1V9.0-9.5N	9-9.5	9	11.2	2.2	173 J	E-39/F-2	1.4
P-SB-F10	3/22/2007	20070322P-SB-F10V0.0-0.5N	0-0.5	0	11.6	11.6	695	E-36/E-39/F-2/F-6	1.4
P-SB-F10	3/22/2007	20070322P-SB-F10V2.0-2.5N	2-2.5	2	11.6	9.6	65.6	E-36/E-39/F-2/F-6	1.4
P-SB-F10	3/22/2007	20070322P-SB-F10V4.0-4.5N	4-4.5	4	11.6	7.6	475	E-36/E-39/F-2/F-6	1.4
P-SB-F10	3/22/2007	20070322P-SB-F10V6.0-6.5N	6-6.5	6	11.6	5.6	293	E-36/E-39/F-2/F-6	1.4
P-SB-F10	3/22/2007	20070322P-SB-F10V10.0-10.5N	10-10.5	10	11.6	1.6	16.6 J	E-36/E-39/F-2/F-6	1.4
P-SB-F11	3/22/2007	20070322P-SB-F11V0.0-0.5FD	0-0.5	0	12.2	12.2	565	F-2/F-3/F-5/F-6	-0.1
P-SB-F11	3/22/2007	20070322P-SB-F11V0.0-0.5N	0-0.5	0	12.2	12.2	649	F-2/F-3/F-5/F-6	-0.1
P-SB-F11	3/22/2007	20070322P-SB-F11V2.0-2.5N	2-2.5	2	12.2	10.2	556	F-2/F-3/F-5/F-6	-0.1
P-SB-F11	3/22/2007	20070322P-SB-F11V4.0-4.5N	4-4.5	4	12.2	8.2	1990	F-2/F-3/F-5/F-6	-0.1
P-SB-F11	3/22/2007	20070322P-SB-F11V5.0-5.5N	5-5.5	5	12.2	7.2	36.9	F-2/F-3/F-5/F-6	-0.1
P-SB-F11	3/22/2007	20070322P-SB-F11V6.0-6.5N	6-6.5	6	12.2	6.2	4.8	F-2/F-3/F-5/F-6	-0.1
P-SB-F11	3/22/2007	20070322P-SB-F11V8.0-8.5N	8-8.5	8	12.2	4.2	184 J	F-2/F-3/F-5/F-6	-0.1
P-SB-F12	3/23/2007	20070323P-SB-F12V0.0-0.5N	0-0.5	0	11	11.0	107 J	E-39/F-2	1.4
P-SB-F12	3/23/2007	20070323P-SB-F12V2.0-2.5FD	2-2.5	2	11	9.0	33.5 J	E-39/F-2	1.4
P-SB-F12	3/23/2007	20070323P-SB-F12V2.0-2.5N	2-2.5	2	11	9.0	31.1 J	E-39/F-2	1.4
P-SB-F12	3/23/2007	20070323P-SB-F12V4.0-4.5N	4-4.5	4	11	7.0	122 J	E-39/F-2	1.4
P-SB-F12	3/23/2007	20070323P-SB-F12V6.0-6.5N	6-6.5	6	11	5.0	28.4 J	E-39/F-2	1.4
P-SB-F12	3/23/2007	20070323P-SB-F12V8.0-8.5N	8-8.5	8	11	3.0	54.9 J	E-39/F-2	1.4
P-SB-F13	3/23/2007	20070323P-SB-F13V0.0-0.5N	0-0.5	0	11.7	11.7	957 J	F-2/F-3	-0.1
P-SB-F13	3/23/2007	20070323P-SB-F13V2.0-2.5N	2-2.5	2	11.7	9.7	96.2 J	F-2/F-3	-0.1
P-SB-F13	3/23/2007	20070323P-SB-F13V4.0-4.5N	4-4.5	4	11.7	7.7	904 J	F-2/F-3	-0.1
P-SB-F13	3/23/2007	20070323P-SB-F13V6.0-6.5N	6-6.5	6	11.7	5.7	3.4 J	F-2/F-3	-0.1
P-SB-F13	3/23/2007	20070323P-SB-F13V8.0-8.5N	8-8.5	8	11.7	3.7	1170 J	F-2/F-3	-0.1
P-SB-F13	3/23/2007	20070323P-SB-F13V10.0-10.5N	10-10.5	10	11.7	1.7	17.6	F-2/F-3	-0.1
P-SB-F14	4/24/2007	20070424P-SB-F14V0.0-0.5FD	0-0.5	0	12.3	12.3	351	E-36/E-37/F-6	6.5
P-SB-F14	4/24/2007	20070424P-SB-F14V0.0-0.5N	0-0.5	0	12.3	12.3	352	E-36/E-37/F-6	6.5
P-SB-F14	4/24/2007	20070424P-SB-F14V2.0-2.5N	2-2.5	2	12.3	10.3	122	E-36/E-37/F-6	6.5
P-SB-F14	4/24/2007	20070424P-SB-F14V4.0-4.5N	4-4.5	4	12.3	8.3	117	E-36/E-37/F-6	6.5
P-SB-F14	4/24/2007	20070424P-SB-F14V8.0-8.5N	8-8.5	8	12.3	4.3	72.3	E-36/E-37/F-6	6.5
P-SB-F14	4/24/2007	20070424P-SB-F14V10.0-10.5N	10-10.5	10	12.3	2.3	21.7	E-36/E-37/F-6	6.5
P-SB-F14	4/24/2007	20070424P-SB-F14V12.0-12.5N	12-12.5	12	12.3	0.3	16.6	E-36/E-37/F-6	6.5
P-SB-F14	4/24/2007	20070424P-SB-F14V14.0-14.5N	14-14.5	14	12.3	-1.7	4.4	E-36/E-37/F-6	6.5
P-SB-F15	4/24/2007	20070424P-SB-F15V0.0-0.5N	0-0.5	0	12.5	12.5	146	E-37/E-38/F-5/F-6	0.0
P-SB-F15	4/24/2007	20070424P-SB-F15V2.0-2.5N	2-2.5	2	12.5	10.5	20.5	E-37/E-38/F-5/F-6	0.0
P-SB-F15	4/24/2007	20070424P-SB-F15V4.0-4.5N	4-4.5	4	12.5	8.5	59.6	E-37/E-38/F-5/F-6	0.0
P-SB-F15	4/24/2007	20070424P-SB-F15V6.0-6.5N	6-6.5	6	12.5	6.5	21.2	E-37/E-38/F-5/F-6	0.0
P-SB-F15	4/24/2007	20070424P-SB-F15V8.0-8.5N	8-8.5	8	12.5	4.5	77.5	E-37/E-38/F-5/F-6	0.0
P-SB-F15	4/24/2007	20070424P-SB-F15V10.0-10.5N	10-10.5	10	12.5	2.5	32.1	E-37/E-38/F-5/F-6	0.0
P-SB-F15	4/24/2007	20070424P-SB-F15V12.0-12.5N	12-12.5	12	12.5	0.5	20.3 J	E-37/E-38/F-5/F-6	0.0
P-SB-F16	4/24/2007	20070424P-SB-F16V0.0-0.5N	0-0.5	0	14.4	14.4	596	F-1/F-3/F-4	-2.8
P-SB-F16	4/24/2007	20070424P-SB-F16V3.0-3.5N	3-3.5	3	14.4	11.4	34.4	F-1/F-3/F-4	-2.8
P-SB-F16	4/24/2007	20070424P-SB-F16V5.0-5.5N	5-5.5	5	14.4	9.4	20.8	F-1/F-3/F-4	-2.8
P-SB-F16	4/24/2007	20070424P-SB-F16V8.0-8.5N	8-8.5	8	14.4	6.4	84.8	F-1/F-3/F-4	-2.8
P-SB-F16	4/24/2007	20070424P-SB-F16V10.0-10.5N	10-10.5	10	14.4	4.4	822 J	F-1/F-3/F-4	-2.8
P-SB-F16	4/24/2007	20070424P-SB-F16V12.0-12.5N	12-12.5	12	14.4	2.4	6.5	F-1/F-3/F-4	-2.8
P-SB-F18	5/17/2007	20070517P-SB-F18V0.0-0.5N	0-0.5	0	12.7	12.7	742 J	F-1/F-3/F-5	-2.8

Table 3-9 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area F
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID[2]	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-F18	5/17/2007	20070517P-SB-F18V2.0-2.5N	2-2.5	2	12.7	10.7	127 J	F-1/F-3/F-5	-2.8
P-SB-F18	5/17/2007	20070517P-SB-F18V4.0-4.5N	4-4.5	4	12.7	8.7	627 J	F-1/F-3/F-5	-2.8
P-SB-F18	5/17/2007	20070517P-SB-F18V6.0-6.5N	6-6.5	6	12.7	6.7	144 J	F-1/F-3/F-5	-2.8
P-SB-F18	5/17/2007	20070517P-SB-F18V8.0-8.5FD	8-8.5	8	12.7	4.7	132 J	F-1/F-3/F-5	-2.8
P-SB-F18	5/17/2007	20070517P-SB-F18V8.0-8.5N	8-8.5	8	12.7	4.7	122 J	F-1/F-3/F-5	-2.8
P-SB-F18	5/17/2007	20070517P-SB-F18V12.0-12.5N	12-12.5	12	12.7	0.7	14 J	F-1/F-3/F-5	-2.8
P-SB-F18	5/17/2007	20070517P-SB-F18V14.0-14.5N	14-14.5	14	12.7	-1.3	4.8 J	F-1/F-3/F-5	-2.8
P-SB-F18	5/17/2007	20070517P-SB-F18V16.0-16.5N	16-16.5	16	12.7	-3.3	0.78 J	F-1/F-3/F-5	-2.8
P-SB-F19	5/17/2007	20070517P-SB-F19V0.0-0.5N	0-0.5	0	12.6	12.6	77.8 J	F-1/F-4	-2.8
P-SB-F19	5/17/2007	20070517P-SB-F19V2.0-2.5N	2-2.5	2	12.6	10.6	78.9 J	F-1/F-4	-2.8
P-SB-F19	5/17/2007	20070517P-SB-F19V4.0-4.5N	4-4.5	4	12.6	8.6	23.5 J	F-1/F-4	-2.8
P-SB-F19	5/17/2007	20070517P-SB-F19V8.0-8.5N	8-8.5	8	12.6	4.6	52.8 J	F-1/F-4	-2.8
P-SB-F19	5/17/2007	20070517P-SB-F19V10.0-10.5N	10-10.5	10	12.6	2.6	242 J	F-1/F-4	-2.8
P-SB-F19	5/17/2007	20070517P-SB-F19V12.0-12.5N	12-12.5	12	12.6	0.6	27 J	F-1/F-4	-2.8
P-SB-F2	3/7/2007	20070307P-SB-F2V0.0-0.5N	0-0.5	0	10.82	10.8	1150	F-1	-2.8
P-SB-F2	3/7/2007	20070307P-SB-F2V2.0-2.5N	2-2.5	2	10.82	8.8	780 J	F-1	-2.8
P-SB-F2	3/7/2007	20070307P-SB-F2V4.0-4.5N	4-4.5	4	10.82	6.8	154	F-1	-2.8
P-SB-F2	3/7/2007	20070307P-SB-F2V6.0-6.5N	6-6.5	6	10.82	4.8	162	F-1	-2.8
P-SB-F20	5/30/2007	20070530P-SB-F20V0.0-0.5N	0-0.5	0	12.6	12.6	67.8 J	F-1/F-5	-2.8
P-SB-F20	5/30/2007	20070530P-SB-F20V2.0-2.5N	2-2.5	2	12.6	10.6	17.7 J	F-1/F-5	-2.8
P-SB-F20	5/30/2007	20070530P-SB-F20V4.0-4.5N	4-4.5	4	12.6	8.6	36 J	F-1/F-5	-2.8
P-SB-F20	5/30/2007	20070530P-SB-F20V6.0-6.5N	6-6.5	6	12.6	6.6	7.6 J	F-1/F-5	-2.8
P-SB-F20	5/30/2007	20070530P-SB-F20V8.0-8.5N	8-8.5	8	12.6	4.6	2.8 J	F-1/F-5	-2.8
P-SB-F20	5/30/2007	20070530P-SB-F20V10.0-10.5N	10-10.5	10	12.6	2.6	2.1 J	F-1/F-5	-2.8
P-SB-F20	5/30/2007	20070530P-SB-F20V12.0-12.5N	12-12.5	12	12.6	0.6	7.4 J	F-1/F-5	-2.8
P-SB-F20	5/30/2007	20070530P-SB-F20V14.0-14.5N	14-14.5	14	12.6	-1.4	1.3 J	F-1/F-5	-2.8
P-SB-F20	5/30/2007	20070530P-SB-F20V16.0-16.5N	16-16.5	16	12.6	-3.4	0.31 J	F-1/F-5	-2.8
P-SB-F21	6/11/2007	20070611P-SB-F21V0.0-0.5N	0-0.5	0	12.3	12.3	677	F-1	-2.8
P-SB-F21	6/11/2007	20070611P-SB-F21V2.0-2.5FD	2-2.5	2	12.3	10.3	394	F-1	-2.8
P-SB-F21	6/11/2007	20070611P-SB-F21V2.0-2.5N	2-2.5	2	12.3	10.3	470	F-1	-2.8
P-SB-F21	6/11/2007	20070611P-SB-F21V4.0-4.5N	4-4.5	4	12.3	8.3	224	F-1	-2.8
P-SB-F21	6/11/2007	20070611P-SB-F21V8.0-8.5N	8-8.5	8	12.3	4.3	82.7	F-1	-2.8
P-SB-F21	6/11/2007	20070611P-SB-F21V12.0-12.5N	12-12.5	12	12.3	0.3	114	F-1	-2.8
P-SB-F21	6/11/2007	20070611P-SB-F21V14.0-14.5N	14-14.5	14	12.3	-1.7	1120 J	F-1	-2.8
P-SB-F21	7/10/2007	20070710P-SB-F21V15.0-15.5N	15-15.5	15	12.3	-2.7	0.95	F-1	-2.8
P-SB-F21	7/10/2007	20070710P-SB-F21V16.0-16.5N	16-16.5	16	12.3	-3.7	6.5	F-1	-2.8
P-SB-F21	7/10/2007	20070710P-SB-F21V17.0-17.5N	17-17.5	17	12.3	-4.7	1.7 J	F-1	-2.8
P-SB-F22	7/10/2007	20070710P-SB-F22V0.0-0.5N	0-0.5	0	12.6	12.6	3000 J	F-1	-2.8
P-SB-F22	7/10/2007	20070710P-SB-F22V2.0-2.5N	2-2.5	2	12.6	10.6	0.44 J	F-1	-2.8
P-SB-F22	7/10/2007	20070710P-SB-F22V5.0-5.5N	5-5.5	5	12.6	7.6	2700 J	F-1	-2.8
P-SB-F22	7/10/2007	20070710P-SB-F22V7.0-7.5N	7-7.5	7	12.6	5.6	260 J	F-1	-2.8
P-SB-F22	7/11/2007	20070711P-SB-F22V10.0-10.5N	10-10.5	10	12.6	2.6	117	F-1	-2.8
P-SB-F22	7/11/2007	20070711P-SB-F22V12.0-12.5N	12-12.5	12	12.6	0.6	1.3	F-1	-2.8
P-SB-F22	7/11/2007	20070711P-SB-F22V15.0-15.5N	15-15.5	15	12.6	-2.4	6.4	F-1	-2.8
P-SB-F22	7/11/2007	20070711P-SB-F22V16.0-16.5N	16-16.5	16	12.6	-3.4	0.47	F-1	-2.8
P-SB-F23	7/10/2007	20070710P-SB-F23V0.0-0.5N	0-0.5	0	14.1	14.1	118	F-1	-2.8
P-SB-F23	7/10/2007	20070710P-SB-F23V2.0-2.5N	2-2.5	2	14.1	12.1	339	F-1	-2.8
P-SB-F23	7/10/2007	20070710P-SB-F23V5.0-5.5N	5-5.5	5	14.1	9.1	94.5	F-1	-2.8
P-SB-F23	7/10/2007	20070710P-SB-F23V7.0-7.5N	7-7.5	7	14.1	7.1	12.7	F-1	-2.8
P-SB-F23	7/10/2007	20070710P-SB-F23V10.0-10.5N	10-10.5	10	14.1	4.1	70.4	F-1	-2.8
P-SB-F23	7/10/2007	20070710P-SB-F23V12.0-12.5N	12-12.5	12	14.1	2.1	89.8 J	F-1	-2.8

Table 3-9 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area F
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID[2]	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-F23	7/10/2007	20070710P-SB-F23V15.0-15.5N	15-15.5	15	14.1	-0.9	3.8	F-1	-2.8
P-SB-F23	7/10/2007	20070710P-SB-F23V16.0-16.5N	16-16.5	16	14.1	-1.9	0.087	F-1	-2.8
P-SB-F25	7/11/2007	20070711P-SB-F25V0.0-0.5N	0-0.5	0	10.8	10.8	186	F-1	-2.8
P-SB-F25	7/12/2007	20070712P-SB-F25V2.0-2.5N	2-2.5	2	10.8	8.8	479	F-1	-2.8
P-SB-F25	7/11/2007	20070711P-SB-F25V5.0-5.5N	5-5.5	5	10.8	5.8	49.4	F-1	-2.8
P-SB-F25	7/11/2007	20070711P-SB-F25V10.0-10.5N	10-10.5	10	10.8	0.8	49.8 J	F-1	-2.8
P-SB-F25	7/11/2007	20070711P-SB-F25V12.0-12.5N	12-12.5	12	10.8	-1.2	1.9 J	F-1	-2.8
P-SB-F25	7/11/2007	20070711P-SB-F25V13.0-13.5N	13-13.5	13	10.8	-2.2	0.089	F-1	-2.8
P-SB-F26	7/17/2007	20070717P-SB-F26V8.5-9.0N	8.5-9.0	8.5	10.3	1.8	142 J	F-7	2.4
P-SB-F26	7/18/2007	20070718P-SB-F26V9.0-9.5N	9.0-9.5	9	10.3	1.3	320 J	F-7	2.4
P-SB-F26	7/18/2007	20070718P-SB-F26V10.0-10.5N	10-10.5	10	10.3	0.3	0.93 J	F-7	2.4
P-SB-F27	7/18/2007	20070718P-SB-F27V8.0-8.5N	8-8.5	8	11.6	3.6	3 J	F-2	1.4
P-SB-F27	7/18/2007	20070718P-SB-F27V9.0-9.5N	9-9.5	9	11.6	2.6	1780 J	F-2	1.4
P-SB-F27	7/18/2007	20070718P-SB-F27V10.0-10.5FD	10-10.5	10	11.6	1.6	0.93 J	F-2	1.4
P-SB-F27	7/18/2007	20070718P-SB-F27V10.0-10.5N	10-10.5	10	11.6	1.6	0.84 J	F-2	1.4
P-SB-F30	8/2/2007	20070802P-SB-F30V0.0-0.5N	0-0.5	0	13.8	13.8	128	F-1	-2.8
P-SB-F30	8/2/2007	20070802P-SB-F30V2.0-2.5FD	2-2.5	2	13.8	11.8	43.4	F-1	-2.8
P-SB-F30	8/2/2007	20070802P-SB-F30V2.0-2.5N	2-2.5	2	13.8	11.8	51	F-1	-2.8
P-SB-F30	8/2/2007	20070802P-SB-F30V5.0-5.5N	5-5.5	5	13.8	8.8	41.7	F-1	-2.8
P-SB-F30	8/2/2007	20070802P-SB-F30V6.0-6.5N	6-6.5	6	13.8	7.8	101 J	F-1	-2.8
P-SB-F31	8/1/2007	20070801P-SB-F31V0.0-0.5N	0-0.5	0	12.9	12.9	63.9	F-1	-2.8
P-SB-F31	8/1/2007	20070801P-SB-F31V2.0-2.5N	2-2.5	2	12.9	10.9	272	F-1	-2.8
P-SB-F31	8/1/2007	20070801P-SB-F31V5.0-5.5N	5-5.5	5	12.9	7.9	27.3	F-1	-2.8
P-SB-F31	8/1/2007	20070801P-SB-F31V7.0-7.5N	7-7.5	7	12.9	5.9	5.1	F-1	-2.8
P-SB-F31	8/1/2007	20070801P-SB-F31V8.0-8.5N	8-8.5	8	12.9	4.9	4.3	F-1	-2.8
P-SB-F32	8/2/2007	20070802P-SB-F32V7.0-7.5N	7-7.5	7	12	5.0	2.7	F-6	6.5
P-SB-F32	8/2/2007	20070802P-SB-F32V8.0-8.5N	8-8.5	8	12	4.0	243	F-6	6.5
P-SB-F33	8/3/2007	20070803P-SB-F33V6.0-6.5N	6-6.5	6	11.1	5.1	0.82	E-39/F-2	1.4
P-SB-F33	8/3/2007	20070803P-SB-F33V7.0-7.5N	7-7.5	7	11.1	4.1	2.1	E-39/F-2	1.4
P-SB-F38	2/26/2009	PSBF38-0.0-0.5	0-.5	0.0	11.4	11.4	257.5	F-2/F-3	-0.1
P-SB-F38	2/26/2009	PSBF38-4.0-4.5	4-4.5	4.0	11.4	7.4	387	F-2/F-3	-0.1
P-SB-F38	2/26/2009	PSBF38-8.8-9.3	8.8-9.3	8.8	11.4	2.6	21.5	F-2/F-3	-0.1
P-SB-F39	2/26/2009	PSBF39-0.0-0.5	0-.5	0.0	12.3	12.3	210	F-3/F-4	-0.1
P-SB-F39	2/26/2009	PSBF39-4.0-4.5	4-4.5	4.0	12.3	8.3	118.5	F-3/F-4	-0.1
P-SB-F39	2/26/2009	PSBF39-11.1-11.6	11.1-11.6	11.1	12.3	1.2	92.5	F-3/F-4	-0.1
P-SB-F4	3/6/2007	20070306P-SB-F4V0.0-0.5N	0-0.5	0	11.4	11.4	15.7	F-2	1.4
P-SB-F4	3/6/2007	20070306P-SB-F4V2.0-2.5N	2-2.5	2	11.4	9.4	22	F-2	1.4
P-SB-F4	3/6/2007	20070306P-SB-F4V4.0-4.5N	4-4.5	4	11.4	7.4	18.6	F-2	1.4
P-SB-F4	3/6/2007	20070306P-SB-F4V6.0-6.5N	6-6.5	6	11.4	5.4	14.1	F-2	1.4
P-SB-F4	3/6/2007	20070306P-SB-F4V8.0-8.5N	8-8.5	8	11.4	3.4	12.4	F-2	1.4
P-SB-F41	2/26/2009	PSBF41-0.0-0.5	0-.5	0.0	12.7	12.7	341	F-1	-2.8
P-SB-F41	2/26/2009	PSBF41-4.0-4.5	4-4.5	4.0	12.7	8.7	40.5	F-1	-2.8
P-SB-F41	2/26/2009	PSBF41-8.0-8.5	8-8.5	8.0	12.7	4.7	204.5	F-1	-2.8
P-SB-F41	2/26/2009	PSBF41-15.4-15.9	15.4-15.9	15.4	12.7	-2.7	9	F-1	-2.8
P-SB-F43	3/3/2009	PSBF43-0.0-0.5	0.0-0.5	0.0	10.4	10.4	53	F-7	2.4
P-SB-F43	3/3/2009	PSBF43-4.0-4.5	4.0-4.5	4.0	10.4	6.4	348	F-7	2.4
P-SB-F43	3/3/2009	PSBF43-9.6-10.1	9.6-10.1	9.6	10.4	0.8	5.5	F-7	2.4
P-SB-F44	3/3/2009	PSBF44-0.0-0.5	0.0-0.5	0.0	10.9	10.9	217	F-7	2.4
P-SB-F44	3/3/2009	PSBF44-4.7-5.2	4.7-5.2	4.7	10.9	6.2	30.5	F-7	2.4
P-SB-F44	3/3/2009	PSBF44-8.3-8.8	8.3-8.8	8.3	10.9	2.6	35.5	F-7	2.4
P-SB-F44	3/3/2009	PSBF44-10.1-10.6	10.1-10.6	10.1	10.9	0.8	335	F-7	2.4

Table 3-9 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area F
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID[2]	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-F45	3/3/2009	PSBF45-0.0-0.5	0.0-0.5	0.0	11.0	11.0	7	F-7	2.4
P-SB-F45	3/3/2009	PSBF45-4.0-4.5	4.0-4.5	4.0	11.0	7.0	31	F-7	2.4
P-SB-F45	3/3/2009	PSBF45-8.0-8.5	8.0-8.5	8.0	11.0	3.0	32	F-7	2.4
P-SB-F45	3/3/2009	PSBF45-10.2-10.7	10.2-10.7	10.2	11.0	0.8	80	F-7	2.4
P-SB-F46	3/3/2009	PSBF46-0.0-0.5	0.0-0.5	0.0	9.7	9.7	9	F-7	2.4
P-SB-F46	3/3/2009	PSBF46-4.0-4.5	4.0-4.5	4.0	9.7	5.7	6.5	F-7	2.4
P-SB-F46	3/3/2009	PSBF46-8.9-9.4	8.9-9.4	8.9	9.7	0.8	6	F-7	2.4
P-SB-F47	3/4/2009	PSBF47-0.0-0.5	0-.5	0.0	12.2	12.2	11	F-2	1.4
P-SB-F47	3/4/2009	PSBF47-4.0-4.5	4-4.5	4.0	12.2	8.2	74	F-2	1.4
P-SB-F47	3/4/2009	PSBF47-9.0-9.5	9-9.5	9.0	12.2	3.2	13	F-2	1.4
P-SB-F48	3/4/2009	PSBF48-0.0-0.5	0-.5	0.0	11.7	11.7	75	F-2	1.4
P-SB-F48	3/4/2009	PSBF48-4.0-4.5	4-4.5	4.0	11.7	7.7	117.5	F-2	1.4
P-SB-F48	3/5/2009	PSBF48-8.0-8.5	8-8.5	8.0	11.7	3.7	14.5	F-2	1.4
P-SB-F48	3/5/2009	PSBF48-9.9-10.4	9.9-10.4	9.9	11.7	1.8	19.5	F-2	1.4
P-SB-F5	3/8/2007	20070308P-SB-F5V0.0-0.5N	0-0.5	0	10.67	10.7	30.2	F-7	2.4
P-SB-F5	3/8/2007	20070308P-SB-F5V2.0-2.5N	2-2.5	2	10.67	8.7	19.8	F-7	2.4
P-SB-F5	3/8/2007	20070308P-SB-F5V4.0-4.5N	4-4.5	4	10.67	6.7	190	F-7	2.4
P-SB-F5	3/8/2007	20070308P-SB-F5V6.0-6.5N	6-6.5	6	10.67	4.7	101 J	F-7	2.4
P-SB-F6	3/8/2007	20070308P-SB-F6V0.0-0.5N	0-0.5	0	11.05	11.1	59.9	F-7	2.4
P-SB-F6	3/8/2007	20070308P-SB-F6V2.0-2.5N	2-2.5	2	11.05	9.1	51	F-7	2.4
P-SB-F6	3/8/2007	20070308P-SB-F6V4.0-4.5N	4-4.5	4	11.05	7.1	111	F-7	2.4
P-SB-F6	3/8/2007	20070308P-SB-F6V8.0-8.5N	8-8.5	8	11.05	3.1	62.1	F-7	2.4
P-SB-F7	3/9/2007	20070309P-SB-F7V0.0-0.5N	0-0.5	0	10.13	10.1	2.5	F-7	2.4
P-SB-F7	3/9/2007	20070309P-SB-F7V2.0-2.5N	2-2.5	2	10.13	8.1	16.6	F-7	2.4
P-SB-F7	3/9/2007	20070309P-SB-F7V4.0-4.5N	4-4.5	4	10.13	6.1	58.1	F-7	2.4
P-SB-F7	3/9/2007	20070309P-SB-F7V6.0-6.5N	6-6.5	6	10.13	4.1	46.6 J	F-7	2.4
P-SB-F7	3/9/2007	20070309P-SB-F7V8.0-8.5N	8-8.5	8	10.13	2.1	100 J	F-7	2.4
P-SB-F8	3/9/2007	20070309P-SB-F8V0.0-0.5N	0-0.5	0	9.9	9.9	38 J	F-7	2.4
P-SB-F8	3/9/2007	20070309P-SB-F8V2.0-2.5N	2-2.5	2	9.9	7.9	122	F-7	2.4
P-SB-F8	3/9/2007	20070309P-SB-F8V4.0-4.5N	4-4.5	4	9.9	5.9	290	F-7	2.4
P-SB-F8	3/9/2007	20070309P-SB-F8V7.0-7.5N	7-7.5	7	9.9	2.9	78	F-7	2.4

[1]Where sample point is shared by multiple excavation subareas, the depth of the sample > 620 mg/kg mercury was always taken to the lowest excavation elevation as defined in the construction drawings. See excavation as-builts.

[2]Shallow soil samples taken from boring P-SB-F26 exhibited concentration of mercury above > 620 mg/kg based on field XRF. PDI Data Report, Area F "Pre" Post Remediation Sampling Results, Figure 7, 4/29/08.

Indicates a result greater than 620 mg/kg

Table 3-10 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area G
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Bottom of Excavation Elevation (ft.)
P-SB-G1	3/20/2007	20070320P-SB-G1V0.0-0.5N	0-0.5	0	7.23	7.2	32 J	2.8
P-SB-G1	3/20/2007	20070320P-SB-G1V2.0-2.5N	2-2.5	2	7.23	5.2	21.6	2.8
P-SB-G1	3/20/2007	20070320P-SB-G1V8.0-8.5N	8-8.5	8	7.23	-0.8	4.1	2.8
P-SB-G2	3/20/2007	20070320P-SB-G2V0.0-0.5N	0-0.5	0	8.51	8.5	65.9	2.8
P-SB-G2	3/20/2007	20070320P-SB-G2V2.0-2.5N	2-2.5	2	8.51	6.5	46.2	2.8
P-SB-G2	3/20/2007	20070320P-SB-G2V4.0-4.5N	4-4.5	4	8.51	4.5	52.4 J	2.8
P-SB-G3	3/20/2007	20070320P-SB-G3V0.0-0.5N	0-0.5	0	8.5	8.5	98	2.8
P-SB-G3	3/20/2007	20070320P-SB-G3V2.0-2.5N	2-2.5	2	8.5	6.5	17	2.8
P-SB-G3	3/20/2007	20070320P-SB-G3V4.0-4.5FD	4-4.5	4	8.5	4.5	22.4 J	2.8
P-SB-G3	3/20/2007	20070320P-SB-G3V4.0-4.5N	4-4.5	4	8.5	4.5	10.8 J	2.8
P-SB-G4	3/19/2007	20070319P-SB-G4V0.0-0.5N	0-0.5	0	6.51	6.5	26.4	2.8
P-SB-G4	3/19/2007	20070319P-SB-G4V2.0-2.5N	2-2.5	2	6.51	4.5	9	2.8
P-SB-G4	3/19/2007	20070319P-SB-G4V4.0-4.5N	4-4.5	4	6.51	2.5	30.8 J	2.8
P-SB-G5	8/7/2007	20070807P-SB-G5V4.0-4.5FD	4-4.5	4	8.6	4.6	148	2.8
P-SB-G5	8/7/2007	20070807P-SB-G5V4.0-4.5N	4-4.5	4	8.6	4.6	155	2.8
P-SB-G5	8/7/2007	20070807P-SB-G5V6.0-6.5N	6-6.5	6	8.6	2.6	0.1	2.8
P-SB-G6	3/5/2009	PSBG6-4.0-4.5	4-4.5	4.0	8.3	4.3	16.5	2.8
P-SB-G6	3/5/2009	PSBG6-4.7-5.2	4.7-5.2	4.7	8.3	3.6	151	2.8
P-SB-G7	3/4/2009	PSBG7-4.9-5.4	4.9-5.4	4.9	8.5	3.6	7	2.8
P-SB-G8	3/5/2009	PSBG8-4.0-4.5	4-4.5	4.0	8.8	4.8	215	2.8
P-SB-G8	3/5/2009	PSBG8-5.2-5.7	5.2-5.7	5.2	8.8	3.6	52.5	2.8
P-SB-G9	3/4/2009	PSBG9-1.7-2.2	1.7-2.2	1.7	9.0	7.3	42.5	2.8
P-SB-G9	3/4/2009	PSBG9-5.4-5.9	5.4-5.9	5.4	9.0	3.6	23	2.8

Indicates a result greater than 620 mg/kg

Table 3-11 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area H
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-H1	3/15/2007	20070315P-SB-H1V0.0-0.5N	0-0.5	0	10.5	10.5	3760 J	H-8/H-10	2
P-SB-H1	3/15/2007	20070315P-SB-H1V2.0-2.5N	2-2.5	2	10.5	8.5	1200 J	H-8/H-10	2
P-SB-H1	3/15/2007	20070315P-SB-H1V4.0-4.5N	4-4.5	4	10.5	6.5	660 J	H-8/H-10	2
P-SB-H1	3/15/2007	20070315P-SB-H1V6.0-6.5FD	6-6.5	6	10.5	4.5	276 J	H-8/H-10	2
P-SB-H1	3/15/2007	20070315P-SB-H1V6.0-6.5N	6-6.5	6	10.5	4.5	437 J	H-8/H-10	2
P-SB-H1	3/15/2007	20070315P-SB-H1V8.0-8.5N	8-8.5	8	10.5	2.5	552	H-8/H-10	2
P-SB-H1	4/9/2007	20070409P-SB-H1V10.0-10.5N	10-10.5	10	10.5	0.5	94.5	H-8/H-10	2
P-SB-H1	4/9/2007	20070409P-SB-H1V12.0-12.5N	12-12.5	12	10.5	-1.5	28	H-8/H-10	2
P-SB-H100	3/10/2009	PSBH100-1.0-1.5	1-1.5	1.0	8.3	7.3	8.5	H-17	6.1
P-SB-H11	4/11/2007	20070411P-SB-H11V0.0-0.5N	0-0.5	0	9.2	9.2	4130	H-7/H-12/H-13/H-14	-5.4
P-SB-H11	4/11/2007	20070411P-SB-H11V2.0-2.5N	2-2.5	2	9.2	7.2	682	H-7/H-12/H-13/H-14	-5.4
P-SB-H11	4/11/2007	20070411P-SB-H11V4.0-4.5N	4-4.5	4	9.2	5.2	967	H-7/H-12/H-13/H-14	-5.4
P-SB-H11	4/11/2007	20070411P-SB-H11V6.0-6.5N	6-6.5	6	9.2	3.2	383	H-7/H-12/H-13/H-14	-5.4
P-SB-H11	4/11/2007	20070411P-SB-H11V8.0-8.5FD	8-8.5	8	9.2	1.2	470	H-7/H-12/H-13/H-14	-5.4
P-SB-H11	4/11/2007	20070411P-SB-H11V8.0-8.5N	8-8.5	8	9.2	1.2	555	H-7/H-12/H-13/H-14	-5.4
P-SB-H11	4/11/2007	20070411P-SB-H11V10.0-10.5N	10-10.5	10	9.2	-0.8	13.7	H-7/H-12/H-13/H-14	-5.4
P-SB-H12	4/17/2007	20070417P-SB-H12V0.0-0.5FD	0-0.5	0	9.1	9.1	1430	H-2/H-4/H-7	1.1
P-SB-H12	4/17/2007	20070417P-SB-H12V0.0-0.5N	0-0.5	0	9.1	9.1	1660	H-2/H-4/H-7	1.1
P-SB-H12	4/17/2007	20070417P-SB-H12V2.0-2.5N	2-2.5	2	9.1	7.1	600	H-2/H-4/H-7	1.1
P-SB-H12	4/17/2007	20070417P-SB-H12V4.0-4.5N	4-4.5	4	9.1	5.1	665	H-2/H-4/H-7	1.1
P-SB-H12	4/17/2007	20070417P-SB-H12V10.0-10.5N	10-10.5	10	9.1	-0.9	3.8	H-2/H-4/H-7	1.1
P-SB-H12	4/17/2007	20070417P-SB-H12V12.0-12.5N	12-12.5	12	9.1	-2.9	1.6	H-2/H-4/H-7	1.1
P-SB-H13	4/17/2007	20070417P-SB-H13V0.0-0.5N	0-0.5	0	10	10.0	194	H-2/H-7/H-18	2.9
P-SB-H13	4/17/2007	20070417P-SB-H13V2.0-2.5N	2-2.5	2	10	8.0	147	H-2/H-7/H-18	2.9
P-SB-H13	4/17/2007	20070417P-SB-H13V4.0-4.5N	4-4.5	4	10	6.0	135	H-2/H-7/H-18	2.9
P-SB-H13	4/17/2007	20070417P-SB-H13V12.0-12.5N	12-12.5	12	10	-2.0	0.39	H-2/H-7/H-18	2.9
P-SB-H13	4/17/2007	20070417P-SB-H13V14.0-14.5N	14-14.5	14	10	-4.0	0.23	H-2/H-7/H-18	2.9
P-SB-H14	4/17/2007	20070417P-SB-H14V0.0-0.5N	0-0.5	0	10.9	10.9	554	H-2/H-5/H-8/H-18	2
P-SB-H14	4/17/2007	20070417P-SB-H14V2.0-2.5N	2-2.5	2	10.9	8.9	62.4	H-2/H-5/H-8/H-18	2
P-SB-H14	4/17/2007	20070417P-SB-H14V4.0-4.5N	4-4.5	4	10.9	6.9	158	H-2/H-5/H-8/H-18	2
P-SB-H14	4/17/2007	20070417P-SB-H14V6.0-6.5N	6-6.5	6	10.9	4.9	1.1	H-2/H-5/H-8/H-18	2
P-SB-H14	4/17/2007	20070417P-SB-H14V8.0-8.5N	8-8.5	8	10.9	2.9	69.2	H-2/H-5/H-8/H-18	2
P-SB-H14	4/17/2007	20070417P-SB-H14V10.0-10.5N	10-10.5	10	10.9	0.9	1	H-2/H-5/H-8/H-18	2
P-SB-H14	4/17/2007	20070417P-SB-H14V12.0-12.5N	12-12.5	12	10.9	-1.1	1	H-2/H-5/H-8/H-18	2
P-SB-H15	4/17/2007	20070417P-SB-H15V0.0-0.5N	0-0.5	0	11	11.0	8210	H-5/H-6/H-8/H-9	-9.4
P-SB-H15	4/17/2007	20070417P-SB-H15V2.0-2.5FD	2-2.5	2	11	9.0	1070	H-5/H-6/H-8/H-9	-9.4
P-SB-H15	4/17/2007	20070417P-SB-H15V2.0-2.5N	2-2.5	2	11	9.0	904	H-5/H-6/H-8/H-9	-9.4
P-SB-H15	4/17/2007	20070417P-SB-H15V4.0-4.5N	4-4.5	4	11	7.0	424	H-5/H-6/H-8/H-9	-9.4
P-SB-H15	4/17/2007	20070417P-SB-H15V6.0-6.5N	6-6.5	6	11	5.0	1550	H-5/H-6/H-8/H-9	-9.4
P-SB-H15	4/17/2007	20070417P-SB-H15V8.0-8.5N	8-8.5	8	11	3.0	366	H-5/H-6/H-8/H-9	-9.4
P-SB-H15	4/17/2007	20070417P-SB-H15V10.0-10.5N	10-10.5	10	11	1.0	27.2	H-5/H-6/H-8/H-9	-9.4
P-SB-H15	4/17/2007	20070417P-SB-H15V12.0-12.5N	12-12.5	12	11	-1.0	1.1	H-5/H-6/H-8/H-9	-9.4
P-SB-H16	4/18/2007	20070418P-SB-H16V0.0-0.5N	0-0.5	0	11.3	11.3	2870	H-6/H-9	-9.4
P-SB-H16	4/18/2007	20070418P-SB-H16V2.0-2.5N	2-2.5	2	11.3	9.3	4620	H-6/H-9	-9.4
P-SB-H16	4/18/2007	20070418P-SB-H16V4.0-4.5N	4-4.5	4	11.3	7.3	681	H-6/H-9	-9.4
P-SB-H16	4/18/2007	20070418P-SB-H16V6.0-6.5N	6-6.5	6	11.3	5.3	326	H-6/H-9	-9.4
P-SB-H16	4/18/2007	20070418P-SB-H16V8.0-8.5N	8-8.5	8	11.3	3.3	795	H-6/H-9	-9.4
P-SB-H16	4/18/2007	20070418P-SB-H16V11.0-11.5N	11-11.5	11	11.3	0.3	1.6	H-6/H-9	-9.4
P-SB-H17	5/1/2007	20070501P-SB-H17V0.0-0.5N	0-0.5	0	10.2	10.2	10.7 J	H-3/H-6	0.6
P-SB-H17	5/1/2007	20070501P-SB-H17V2.0-2.5N	2-2.5	2	10.2	8.2	15.2 J	H-3/H-6	0.6
P-SB-H17	5/1/2007	20070501P-SB-H17V4.0-4.5N	4-4.5	4	10.2	6.2	4.8 J	H-3/H-6	0.6

Table 3-11 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area H
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-H17	5/1/2007	20070501P-SB-H17V8.0-8.5N	8-8.5	8	10.2	2.2	9.6 J	H-3/H-6	0.6
P-SB-H17	5/1/2007	20070501P-SB-H17V10.0-10.5N	10-10.5	10	10.2	0.2	4.9 J	H-3/H-6	0.6
P-SB-H17	5/1/2007	20070501P-SB-H17V12.0-12.5N	12-12.5	12	10.2	-1.8	0.53 J	H-3/H-6	0.6
P-SB-H18	4/18/2007	20070418P-SB-H18V0.0-0.5FD	0-0.5	0	8.5	8.5	543	H-7/H-11/H-17	2.9
P-SB-H18	4/18/2007	20070418P-SB-H18V0.0-0.5N	0-0.5	0	8.5	8.5	529	H-7/H-11/H-17	2.9
P-SB-H18	4/18/2007	20070418P-SB-H18V6.0-6.5N	6-6.5	6	8.5	2.5	32.1	H-7/H-11/H-17	2.9
P-SB-H18	4/18/2007	20070418P-SB-H18V8.0-8.5N	8-8.5	8	8.5	0.5	1.3	H-7/H-11/H-17	2.9
P-SB-H18	4/18/2007	20070418P-SB-H18V10.0-10.5N	10-10.5	10	8.5	-1.5	2.5	H-7/H-11/H-17	2.9
P-SB-H18	4/18/2007	20070418P-SB-H18V12.0-12.5N	12-12.5	12	8.5	-3.5	2.8	H-7/H-11/H-17	2.9
P-SB-H19	4/18/2007	20070418P-SB-H19V0.0-0.5N	0-0.5	0	8.3	8.3	1090	H-7/H-11/H-13	-0.3
P-SB-H19	4/18/2007	20070418P-SB-H19V2.0-2.5N	2-2.5	2	8.3	6.3	743	H-7/H-11/H-13	-0.3
P-SB-H19	4/18/2007	20070418P-SB-H19V4.0-4.5N	4-4.5	4	8.3	4.3	494	H-7/H-11/H-13	-0.3
P-SB-H19	4/18/2007	20070418P-SB-H19V6.0-6.5N	6-6.5	6	8.3	2.3	43.8	H-7/H-11/H-13	-0.3
P-SB-H19	4/18/2007	20070418P-SB-H19V8.0-8.5N	8-8.5	8	8.3	0.3	9.8	H-7/H-11/H-13	-0.3
P-SB-H19	4/18/2007	20070418P-SB-H19V10.0-10.5N	10-10.5	10	8.3	-1.7	0.68	H-7/H-11/H-13	-0.3
P-SB-H19	4/18/2007	20070418P-SB-H19V12.0-12.5N	12-12.5	12	8.3	-3.7	0.22	H-7/H-11/H-13	-0.3
P-SB-H2	3/14/2007	20070314P-SB-H2V0.0-0.5N	0-0.5	0	9.1	9.1	2300	H-8/H-9	-9.4
P-SB-H2	3/14/2007	20070314P-SB-H2V2.0-2.5N	2-2.5	2	9.1	7.1	5090	H-8/H-9	-9.4
P-SB-H2	3/14/2007	20070314P-SB-H2V4.0-4.5N	4-4.5	4	9.1	5.1	380	H-8/H-9	-9.4
P-SB-H2	3/14/2007	20070314P-SB-H2V6.0-6.5N	6-6.5	6	9.1	3.1	45.4	H-8/H-9	-9.4
P-SB-H20	4/18/2007	20070418P-SB-H20V0.0-4.0N	0-4	0	6.2	6.2	72.3	H-13/H-14	-0.3
P-SB-H20	4/18/2007	20070418P-SB-H20V6.0-6.5FD	6-6.5	6	6.2	0.2	3.1	H-13/H-14	-0.3
P-SB-H20	4/18/2007	20070418P-SB-H20V6.0-6.5N	6-6.5	6	6.2	0.2	2.7	H-13/H-14	-0.3
P-SB-H20	4/18/2007	20070418P-SB-H20V8.0-8.5N	8-8.5	8	6.2	-1.8	0.31	H-13/H-14	-0.3
P-SB-H21	5/1/2007	20070501P-SB-H21V0.0-0.5N	0-0.5	0	11.2	11.2	3020 J	H-3	0.9
P-SB-H21	5/1/2007	20070501P-SB-H21V2.0-2.5N	2-2.5	2	11.2	9.2	2310 J	H-3	0.9
P-SB-H21	5/1/2007	20070501P-SB-H21V4.0-4.5FD	4-4.5	4	11.2	7.2	2370 J	H-3	0.9
P-SB-H21	5/1/2007	20070501P-SB-H21V4.0-4.5N	4-4.5	4	11.2	7.2	2260 J	H-3	0.9
P-SB-H21	5/1/2007	20070501P-SB-H21V6.0-6.5N	6-6.5	6	11.2	5.2	17.3 J	H-3	0.9
P-SB-H21	5/1/2007	20070501P-SB-H21V8.0-8.5N	8-8.5	8	11.2	3.2	1040 J	H-3	0.9
P-SB-H21	5/1/2007	20070501P-SB-H21V10.0-10.5N	10-10.5	10	11.2	1.2	53.1 J	H-3	0.9
P-SB-H21	5/1/2007	20070501P-SB-H21V12.0-12.5N	12-12.5	12	11.2	-0.8	0.14 J	H-3	0.9
P-SB-H22	4/30/2007	20070430P-SB-H22V0.0-0.5N	0-0.5	0	10.9	10.9	172	H-3/H-5/H-6	0.6
P-SB-H22	4/30/2007	20070430P-SB-H22V2.0-2.5N	2-2.5	2	10.9	8.9	26.1	H-3/H-5/H-6	0.6
P-SB-H22	4/30/2007	20070430P-SB-H22V9.0-9.5N	9-9.5	9	10.9	1.9	12	H-3/H-5/H-6	0.6
P-SB-H22	4/30/2007	20070430P-SB-H22V11.0-11.5N	11-11.5	11	10.9	-0.1	37	H-3/H-5/H-6	0.6
P-SB-H22	4/30/2007	20070430P-SB-H22V15.0-15.5N	15-15.5	15	10.9	-4.1	0.98	H-3/H-5/H-6	0.6
P-SB-H22	4/30/2007	20070430P-SB-H22V17.0-17.5N	17-17.5	17	10.9	-6.1	3	H-3/H-5/H-6	0.6
P-SB-H24	4/26/2007	20070426P-SB-H24V0.0-0.5FD	0-0.5	0	10	10.0	413 J	H-2/H-4/H-7	1.1
P-SB-H24	4/26/2007	20070426P-SB-H24V0.0-0.5N	0-0.5	0	10	10.0	371 J	H-2/H-4/H-7	1.1
P-SB-H24	4/26/2007	20070426P-SB-H24V4.0-4.5N	4-4.5	4	10	6.0	93.2 J	H-2/H-4/H-7	1.1
P-SB-H24	4/26/2007	20070426P-SB-H24V8.0-8.5N	8-8.5	8	10	2.0	26.4 J	H-2/H-4/H-7	1.1
P-SB-H24	4/26/2007	20070426P-SB-H24V10.0-10.5N	10-10.5	10	10	0.0	0.92 J	H-2/H-4/H-7	1.1
P-SB-H24	4/26/2007	20070426P-SB-H24V12.0-12.5N	12-12.5	12	10	-2.0	0.87 J	H-2/H-4/H-7	1.1
P-SB-H25	4/26/2007	20070426P-SB-H25V0.0-0.5N	0-0.5	0	9.5	9.5	1390 J	H-4/H-7	1.1
P-SB-H25	4/26/2007	20070426P-SB-H25V10.0-10.5N	10-10.5	10	9.5	-0.5	0.56 J	H-4/H-7	1.1
P-SB-H25	4/26/2007	20070426P-SB-H25V12.0-12.5N	12-12.5	12	9.5	-2.5	0.73 J	H-4/H-7	1.1
P-SB-H27	5/15/2007	20070515P-SB-H27V0.0-0.5N	0-0.5	0	8.2	8.2	1600	H-4/H-17	1.1
P-SB-H27	5/15/2007	20070515P-SB-H27V8.0-8.5N	8-8.5	8	8.2	0.2	1.1	H-4/H-17	1.1
P-SB-H27	5/15/2007	20070515P-SB-H27V10.0-10.5N	10-10.5	10	8.2	-1.8	0.13	H-4/H-17	1.1
P-SB-H27	5/15/2007	20070515P-SB-H27V12.0-12.5N	12-12.5	12	8.2	-3.8	0.059	H-4/H-17	1.1

Table 3-11 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area H
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-H28	5/14/2007	20070514P-SB-H28V0.0-0.5N	0-0.5	0	10.8	10.8	36	H-3	0.9
P-SB-H28	5/14/2007	20070514P-SB-H28V2.0-2.5N	2-2.5	2	10.8	8.8	2	H-3	0.9
P-SB-H28	5/14/2007	20070514P-SB-H28V4.0-4.5N	4-4.5	4	10.8	6.8	2.3	H-3	0.9
P-SB-H28	5/14/2007	20070514P-SB-H28V12.0-12.5FD	12-12.5	12	10.8	-1.2	127 R	H-3	0.9
P-SB-H28	5/14/2007	20070514P-SB-H28V12.0-12.5N	12-12.5	12	10.8	-1.2	6.3 R	H-3	0.9
P-SB-H3	5/23/2007	20070523P-SB-H3V0.0-0.5N	0-0.5	0	6	6.0	5.2 J	H-8/H-9/H-14	-9.4
P-SB-H3	5/23/2007	20070523P-SB-H3V5.0-5.5N	5-5.5	5	6	1.0	9.8 J	H-8/H-9/H-14	-9.4
P-SB-H3	5/23/2007	20070523P-SB-H3V10.0-10.5N	10-10.5	10	6	-4.0	0.19 J	H-8/H-9/H-14	-9.4
P-SB-H3	5/23/2007	20070523P-SB-H3V15.0-15.5N	15-15.5	15	6	-9.0	0.036 J	H-8/H-9/H-14	-9.4
P-SB-H3	5/23/2007	20070523P-SB-H3V17.0-17.5N	17-17.5	17	6	-11.0	1.2 J	H-8/H-9/H-14	-9.4
P-SB-H3	5/23/2007	20070523P-SB-H3V19.0-19.5N	19-19.5	19	6	-13.0	26.8 J	H-8/H-9/H-14	-9.4
P-SB-H30	5/10/2007	20070510P-SB-H30V0.0-0.5FD	0-0.5	0	8.4	8.4	353 J	H-17	6.1
P-SB-H30	5/10/2007	20070510P-SB-H30V0.0-0.5N	0-0.5	0	8.4	8.4	444 J	H-17	6.1
P-SB-H30	5/10/2007	20070510P-SB-H30V4.0-4.5N	4-4.5	4	8.4	4.4	170 J	H-17	6.1
P-SB-H30	5/10/2007	20070510P-SB-H30V8.0-8.5N	8-8.5	8	8.4	0.4	11.6 J	H-17	6.1
P-SB-H30	5/10/2007	20070510P-SB-H30V10.0-10.5N	10-10.5	10	8.4	-1.6	5.4 J	H-17	6.1
P-SB-H30	5/10/2007	20070510P-SB-H30V12.0-12.5N	12-12.5	12	8.4	-3.6	0.38 J	H-17	6.1
P-SB-H33	5/11/2007	20070511P-SB-H33V0.0-0.5FD	0-0.5	0	8.1	8.1	373 R	H-17	6.1
P-SB-H33	5/11/2007	20070511P-SB-H33V0.0-0.5N	0-0.5	0	8.1	8.1	1690 R	H-17	6.1
P-SB-H33	5/11/2007	20070511P-SB-H33V2.0-2.5N	2-2.5	2	8.1	6.1	182 J	H-17	6.1
P-SB-H33	5/11/2007	20070511P-SB-H33V10.0-10.5N	10-10.5	10	8.1	-1.9	0.091 J	H-17	6.1
P-SB-H33	5/11/2007	20070511P-SB-H33V12.0-12.5N	12-12.5	12	8.1	-3.9	0.12 J	H-17	6.1
P-SB-H34	5/16/2007	20070516P-SB-H34V0.0-0.5FD	0-0.5	0	9.2	9.2	191 J	H-4/H-17	1.1
P-SB-H34	5/16/2007	20070516P-SB-H34V0.0-0.5N	0-0.5	0	9.2	9.2	198 J	H-4/H-17	1.1
P-SB-H34	5/16/2007	20070516P-SB-H34V8.0-8.5N	8-8.5	8	9.2	1.2	0.21 J	H-4/H-17	1.1
P-SB-H34	5/16/2007	20070516P-SB-H34V10.0-10.5N	10-10.5	10	9.2	-0.8	0.059 J	H-4/H-17	1.1
P-SB-H34	5/16/2007	20070516P-SB-H34V12.0-12.5N	12-12.5	12	9.2	-2.8	0.042 U	H-4/H-17	1.1
P-SB-H35	5/15/2007	20070515P-SB-H35V0.0-0.5FD	0-0.5	0	8	8.0	2140	H-11/H-17	4.7
P-SB-H35	5/15/2007	20070515P-SB-H35V0.0-0.5N	0-0.5	0	8	8.0	2490	H-11/H-17	4.7
P-SB-H35	5/15/2007	20070515P-SB-H35V6.0-6.5N	6-6.5	6	8	2.0	34.4 J	H-11/H-17	4.7
P-SB-H35	5/15/2007	20070515P-SB-H35V8.0-8.5N	8-8.5	8	8	0.0	4.7	H-11/H-17	4.7
P-SB-H35	5/15/2007	20070515P-SB-H35V10.0-10.5N	10-10.5	10	8	-2.0	1.7	H-11/H-17	4.7
P-SB-H35	5/15/2007	20070515P-SB-H35V12.0-12.5N	12-12.5	12	8	-4.0	0.12	H-11/H-17	4.7
P-SB-H36	5/16/2007	20070516P-SB-H36V0.0-0.5N	0-0.5	0	9.31	9.3	969	H-2/H-4/H-7	1.1
P-SB-H36	5/16/2007	20070516P-SB-H36V8.0-8.5N	8-8.5	8	9.31	1.3	0.25	H-2/H-4/H-7	1.1
P-SB-H36	5/16/2007	20070516P-SB-H36V10.0-10.5N	10-10.5	10	9.31	-0.7	0.16	H-2/H-4/H-7	1.1
P-SB-H36	5/16/2007	20070516P-SB-H36V12.0-12.5N	12-12.5	12	9.31	-2.7	0.057 J	H-2/H-4/H-7	1.1
P-SB-H37	5/18/2007	20070518P-SB-H37V0.0-0.5N	0-0.5	0	7.14	7.1	1040	H-14	3.2
P-SB-H37	5/18/2007	20070518P-SB-H37V2.0-2.5N	2-2.5	2	7.14	5.1	269	H-14	3.2
P-SB-H37	5/18/2007	20070518P-SB-H37V4.0-4.5N	4-4.5	4	7.14	3.1	123	H-14	3.2
P-SB-H37	5/18/2007	20070518P-SB-H37V6.0-6.5N	6-6.5	6	7.14	1.1	179	H-14	3.2
P-SB-H37	5/18/2007	20070518P-SB-H37V10.0-10.5N	10-10.5	10	7.14	-2.9	2.5	H-14	3.2
P-SB-H38	5/21/2007	20070521P-SB-H38V0.0-0.5N	0-0.5	0	6.2	6.2	614	H-14	3.2
P-SB-H38	5/21/2007	20070521P-SB-H38V2.0-2.5N	2-2.5	2	6.2	4.2	69.6	H-14	3.2
P-SB-H38	5/21/2007	20070521P-SB-H38V4.0-4.5N	4-4.5	4	6.2	2.2	136 J	H-14	3.2
P-SB-H38	5/21/2007	20070521P-SB-H38V8.0-8.5N	8-8.5	8	6.2	-1.8	12.1	H-14	3.2
P-SB-H38	5/21/2007	20070521P-SB-H38V10.5-11.0N	10.5-11	10.5	6.2	-4.3	2.2	H-14	3.2
P-SB-H38	5/21/2007	20070521P-SB-H38V12.5-13.0N	12.5-13	12.5	6.2	-6.3	5.2	H-14	3.2
P-SB-H4	3/15/2007	20070315P-SB-H4V0.0-0.5N	0-0.5	0	9.72	9.7	9210 J	H-8	2
P-SB-H4	3/15/2007	20070315P-SB-H4V2.0-2.5N	2-2.5	2	9.72	7.7	103 J	H-8	2
P-SB-H4	3/15/2007	20070315P-SB-H4V4.0-4.5N	4-4.5	4	9.72	5.7	54100 J	H-8	2

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Area H
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-H4	3/15/2007	20070315P-SB-H4V6.0-6.5N	6-6.5	6	9.72	3.7	4930 J	H-8	2
P-SB-H4	3/15/2007	20070315P-SB-H4V8.0-8.5N	8-8.5	8	9.72	1.7	6240	H-8	2
P-SB-H4	3/15/2007	20070315P-SB-H4V10.0-10.5N	10-10.5	10	9.72	-0.3	1040	H-8	2
P-SB-H4	4/9/2007	20070409P-SB-H4V12.0-12.5N	12-12.5	12	9.72	-2.3	653	H-8	2
P-SB-H4	4/9/2007	20070409P-SB-H4V14.0-14.5N	14-14.5	14	9.72	-4.3	720	H-8	2
P-SB-H41	5/30/2007	20070530P-SB-H41V0.0-0.5FD	0-0.5	0	8.4	8.4	190 J	H-17	6.1
P-SB-H41	5/30/2007	20070530P-SB-H41V0.0-0.5N	0-0.5	0	8.4	8.4	181 J	H-17	6.1
P-SB-H41	5/30/2007	20070530P-SB-H41V8.0-8.5N	8-8.5	8	8.4	0.4	0.18 J	H-17	6.1
P-SB-H41	5/30/2007	20070530P-SB-H41V12.0-12.5N	12-12.5	12	8.4	-3.6	0.89 J	H-17	6.1
P-SB-H42	5/30/2007	20070530P-SB-H42V0.0-0.5N	0-0.5	0	8	8.0	420 J	H-16	5.2
P-SB-H42	5/30/2007	20070530P-SB-H42V2.0-2.5N	2-2.5	2	8	6.0	764	H-16	5.2
P-SB-H42	5/30/2007	20070530P-SB-H42V3.0-3.5N	3-3.5	3	8	5.0	4.9	H-16	5.2
P-SB-H42	5/30/2007	20070530P-SB-H42V5.0-5.5N	5-5.5	5	8	3.0	52.3	H-16	5.2
P-SB-H42	5/30/2007	20070530P-SB-H42V6.0-6.5N	6-6.5	6	8	2.0	1.9	H-16	5.2
P-SB-H44	5/31/2007	20070531P-SB-H44V0.0-0.5N	0-0.5	0	8.3	8.3	28.4	H-17	6.1
P-SB-H44	5/31/2007	20070531P-SB-H44V4.0-4.5N	4-4.5	4	8.3	4.3	17.4	H-17	6.1
P-SB-H44	5/31/2007	20070531P-SB-H44V8.0-8.5N	8-8.5	8	8.3	0.3	9.9	H-17	6.1
P-SB-H44	5/31/2007	20070531P-SB-H44V10.0-10.5N	10-10.5	10	8.3	-1.7	0.074	H-17	6.1
P-SB-H45	6/6/2007	20070606P-SB-H45V0.0-0.5N	0-0.5	0	11.5	11.5	19	H-1/H-2	2.3
P-SB-H45	6/6/2007	20070606P-SB-H45V2.0-2.5N	2-2.5	2	11.5	9.5	22800	H-1/H-2	2.3
P-SB-H45	6/6/2007	20070606P-SB-H45V4.0-4.5N	4-4.5	4	11.5	7.5	867	H-1/H-2	2.3
P-SB-H45	6/6/2007	20070606P-SB-H45V6.0-6.5N	6-6.5	6	11.5	5.5	79.9	H-1/H-2	2.3
P-SB-H45	6/6/2007	20070606P-SB-H45V6.5-7.0N	6.5-7	6.5	11.5	5.0	0.66 R	H-1/H-2	2.3
P-SB-H46	6/6/2007	20070606P-SB-H46V0.0-0.5N	0-0.5	0	7.4	7.4	54.1	H-1/H-16	2.3
P-SB-H46	6/6/2007	20070606P-SB-H46V2.0-2.5FD	2-2.5	2	7.4	5.4	179 J	H-1/H-16	2.3
P-SB-H46	6/6/2007	20070606P-SB-H46V2.0-2.5N	2-2.5	2	7.4	5.4	140 J	H-1/H-16	2.3
P-SB-H46	6/6/2007	20070606P-SB-H46V6.0-6.5N	6-6.5	6	7.4	1.4	18.1	H-1/H-16	2.3
P-SB-H46	6/6/2007	20070606P-SB-H46V8.0-8.5N	8-8.5	8	7.4	-0.6	300 R	H-1/H-16	2.3
P-SB-H47	6/6/2007	20070606P-SB-H47V0.0-0.5N	0-0.5	0	7.8	7.8	557	H-16	5.2
P-SB-H47	6/6/2007	20070606P-SB-H47V2.0-2.5N	2-2.5	2	7.8	5.8	27.4	H-16	5.2
P-SB-H47	6/6/2007	20070606P-SB-H47V4.0-4.5N	4-4.5	4	7.8	3.8	86.4	H-16	5.2
P-SB-H47	6/6/2007	20070606P-SB-H47V8.0-8.5N	8-8.5	8	7.8	-0.2	0.62	H-16	5.2
P-SB-H47	6/6/2007	20070606P-SB-H47V8.5-9.0N	8.5-9	8.5	7.8	-0.7	0.55	H-16	5.2
P-SB-H4A	5/29/2007	20070529P-SB-H4AV10.0-10.5N	10-10.5	10	9.67	-0.3	29.2	H-8	2
P-SB-H4A	5/29/2007	20070529P-SB-H4AV12.0-12.5N	12-12.5	12	9.67	-2.3	28.2	H-8	2
P-SB-H4A	5/29/2007	20070529P-SB-H4AV15.0-15.5N	15-15.5	15	9.67	-5.3	25.4	H-8	2
P-SB-H4A	5/29/2007	20070529P-SB-H4AV17.0-17.5N	17-17.5	17	9.67	-7.3	0.16 R	H-8	2
P-SB-H4A	5/29/2007	20070529P-SB-H4AV19.0-19.5N	19-19.5	19	9.67	-9.3	0.82 R	H-8	2
P-SB-H5	4/10/2007	20070410P-SB-H5V0.0-0.5N	0-0.5	0	10.2	10.2	984 J	H-7/H-10/H-18	-9.4
P-SB-H5	4/10/2007	20070410P-SB-H5V2.0-2.5N	2-2.5	2	10.2	8.2	357 J	H-7/H-10/H-18	-9.4
P-SB-H5	4/10/2007	20070410P-SB-H5V4.0-4.5N	4-4.5	4	10.2	6.2	123 J	H-7/H-10/H-18	-9.4
P-SB-H5	4/10/2007	20070410P-SB-H5V6.0-6.5N	6-6.5	6	10.2	4.2	208 J	H-7/H-10/H-18	-9.4
P-SB-H5	4/10/2007	20070410P-SB-H5V8.0-8.5N	8-8.5	8	10.2	2.2	98.1 J	H-7/H-10/H-18	-9.4
P-SB-H50	6/8/2007	20070608P-SB-H50V0.0-0.5N	0-0.5	0	9.9	9.9	12.9 J	H-1/H-2/H-15	2.3
P-SB-H50	6/8/2007	20070608P-SB-H50V1.0-1.5N	1-1.5	1	9.9	8.9	59.3 J	H-1/H-2/H-15	2.3
P-SB-H50	6/8/2007	20070608P-SB-H50V5.0-5.5N	5-5.5	5	9.9	4.9	192 J	H-1/H-2/H-15	2.3
P-SB-H50	6/8/2007	20070608P-SB-H50V6.0-6.5N	6-6.5	6	9.9	3.9	8.1 J	H-1/H-2/H-15	2.3
P-SB-H51	6/7/2007	20070607P-SB-H51V0.0-0.5N	0-0.5	0	8.5	8.5	85	H-2/H-15	3.4
P-SB-H51	6/7/2007	20070607P-SB-H51V2.0-2.5N	2-2.5	2	8.5	6.5	4560	H-2/H-15	3.4
P-SB-H51	6/7/2007	20070607P-SB-H51V4.0-4.5N	4-4.5	4	8.5	4.5	339	H-2/H-15	3.4
P-SB-H51	6/7/2007	20070607P-SB-H51V12.0-12.5N	12-12.5	12	8.5	-3.5	9.7 J	H-2/H-15	3.4

Table 3-11 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area H
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-H51	6/7/2007	20070607P-SB-H51V12.5-13.0N	12.5-13	12.5	8.5	-4.0	0.62 J	H-2/H-15	3.4
P-SB-H52	6/8/2007	20070608P-SB-H52V0.0-0.5FD	0-0.5	0	9.57	9.6	1290 J	H-2	3.4
P-SB-H52	6/8/2007	20070608P-SB-H52V0.0-0.5N	0-0.5	0	9.57	9.6	1100 J	H-2	3.4
P-SB-H52	6/8/2007	20070608P-SB-H52V6.0-6.5N	6-6.5	6	9.57	3.6	9.1 J	H-2	3.4
P-SB-H52	6/8/2007	20070608P-SB-H52V8.0-8.5N	8-8.5	8	9.57	1.6	6.2 J	H-2	3.4
P-SB-H55	7/16/2007	20070716P-SB-H55V15.0-15.5N	15-15.5	15	10.1	-4.9	179 J	H-9	-9.4
P-SB-H55	7/16/2007	20070716P-SB-H55V17.0-17.5N	17-17.5	17	10.1	-6.9	3.8 J	H-9	-9.4
P-SB-H55	7/17/2007	20070717P-SB-H55V18.0-18.5FD	18-18.5	18	10.1	-7.9	0.42 U	H-9	-9.4
P-SB-H55	7/17/2007	20070717P-SB-H55V18.0-18.5N	18-18.5	18	10.1	-7.9	0.42 U	H-9	-9.4
P-SB-H55	7/17/2007	20070717P-SB-H55V19.0-19.5N	19-19.5	19	10.1	-8.9	0.46 J	H-9	-9.4
P-SB-H56	7/13/2007	20070713P-SB-H56V16.0-16.5N	16-16.5	16	11.1	-4.9	0.78	H-9	-9.4
P-SB-H56	7/13/2007	20070713P-SB-H56V17.0-17.5FD	17-17.5	17	11.1	-5.9	0.085 R	H-9	-9.4
P-SB-H56	7/13/2007	20070713P-SB-H56V17.0-17.5N	17-17.5	17	11.1	-5.9	0.29 R	H-9	-9.4
P-SB-H56	7/13/2007	20070713P-SB-H56V18.0-18.5N	18-18.5	18	11.1	-6.9	0.16	H-9	-9.4
P-SB-H57	7/13/2007	20070713P-SB-H57V15.0-15.5N	15-15.5	15	6.2	-8.8	4.1	H-9	-9.4
P-SB-H57	7/13/2007	20070713P-SB-H57V16.0-16.5N	16-16.5	16	6.2	-9.8	0.17	H-9	-9.4
P-SB-H57	7/13/2007	20070713P-SB-H57V17.0-17.5N	17-17.5	17	6.2	-10.8	0.24	H-9	-9.4
P-SB-H58	7/13/2007	20070713P-SB-H58V16.0-16.5N	16-16.5	16	7.9	-8.1	3.7	H-9	-9.4
P-SB-H58	7/13/2007	20070713P-SB-H58V17.0-17.5N	17-17.5	17	7.9	-9.1	1.2	H-9	-9.4
P-SB-H58	7/13/2007	20070713P-SB-H58V18.0-18.5N	18-18.5	18	7.9	-10.1	0.12	H-9	-9.4
P-SB-H59	7/16/2007	20070716P-SB-H59V0.0-0.5N	0-0.5	0	5.8	5.8	643 J	H-14	3.2
P-SB-H59	7/16/2007	20070716P-SB-H59V1.0-1.5N	1-1.5	1	5.8	4.8	435 J	H-14	3.2
P-SB-H59	7/16/2007	20070716P-SB-H59V2.0-2.5N	2-2.5	2	5.8	3.8	405 J	H-14	3.2
P-SB-H59	7/16/2007	20070716P-SB-H59V3.0-3.5N	3-3.5	3	5.8	2.8	463 J	H-14	3.2
P-SB-H6	4/10/2007	20070410P-SB-H6V0.0-0.5N	0-0.5	0	10.5	10.5	817 J	H-8/H-10/H-18	-9.4
P-SB-H6	4/10/2007	20070410P-SB-H6V2.0-2.5N	2-2.5	2	10.5	8.5	257 J	H-8/H-10/H-18	-9.4
P-SB-H6	4/10/2007	20070410P-SB-H6V4.0-4.5FD	4-4.5	4	10.5	6.5	240 J	H-8/H-10/H-18	-9.4
P-SB-H6	4/10/2007	20070410P-SB-H6V4.0-4.5N	4-4.5	4	10.5	6.5	247 J	H-8/H-10/H-18	-9.4
P-SB-H6	4/10/2007	20070410P-SB-H6V6.0-6.5N	6-6.5	6	10.5	4.5	63.5 J	H-8/H-10/H-18	-9.4
P-SB-H6	4/10/2007	20070410P-SB-H6V9.0-9.5N	9-9.5	9	10.5	1.5	2.4 J	H-8/H-10/H-18	-9.4
P-SB-H60	7/17/2007	20070717P-SB-H60V0.0-0.5N	0-0.5	0	6.8	6.8	1130 J	H-13	-0.3
P-SB-H60	7/17/2007	20070717P-SB-H60V2.0-2.5N	2-2.5	2	6.8	4.8	62.8 J	H-13	-0.3
P-SB-H60	7/17/2007	20070717P-SB-H60V5.0-5.5N	5-5.5	5	6.8	1.8	956 J	H-13	-0.3
P-SB-H60	7/17/2007	20070717P-SB-H60V7.0-7.5N	7-7.5	7	6.8	-0.2	0.16 J	H-13	-0.3
P-SB-H60	7/17/2007	20070717P-SB-H60V8.0-8.5N	8-8.5	8	6.8	-1.2	0.13 J	H-13	-0.3
P-SB-H62	7/26/2007	20070726P-SB-H62V0.0-0.5N	0-0.5	0	6.8	6.8	41.5	H-13	-0.3
P-SB-H62	7/26/2007	20070726P-SB-H62V2.0-2.5N	2-2.5	2	6.8	4.8	14.4	H-13	-0.3
P-SB-H62	7/26/2007	20070726P-SB-H62V5.0-5.5N	5-5.5	5	6.8	1.8	1	H-13	-0.3
P-SB-H62	7/26/2007	20070726P-SB-H62V6.0-6.5N	6-6.5	6	6.8	0.8	0.056	H-13	-0.3
P-SB-H62	7/26/2007	20070726P-SB-H62V7.0-7.5N	7-7.5	7	6.8	-0.2	0.021 J	H-13	-0.3
P-SB-H63	8/7/2007	20070807P-SB-H63V7.0-7.5N	7-7.5	7	9.7	2.7	0.18	H-7	2.9
P-SB-H63	8/7/2007	20070807P-SB-H63V8.0-8.5N	8-8.5	8	9.7	1.7	0.14	H-7	2.9
P-SB-H64	8/6/2007	20070806P-SB-H64V0.0-0.5N	0-0.5	0	9	9.0	65.9	H-1/H-2/H-4	1.1
P-SB-H64	8/6/2007	20070806P-SB-H64V2.0-2.5N	2-2.5	2	9	7.0	1.2	H-1/H-2/H-4	1.1
P-SB-H64	8/6/2007	20070806P-SB-H64V5.0-5.5N	5-5.5	5	9	4.0	21.2	H-1/H-2/H-4	1.1
P-SB-H64	8/6/2007	20070806P-SB-H64V7.0-7.5N	7-7.5	7	9	2.0	1.3	H-1/H-2/H-4	1.1
P-SB-H64	8/6/2007	20070806P-SB-H64V9.0-9.5N	9-9.5	9	9	0.0	0.84	H-1/H-2/H-4	1.1
P-SB-H65	8/6/2007	20070806P-SB-H65V7.0-7.5N	7-7.5	7	10.7	3.7	182	H-8	2
P-SB-H65	8/6/2007	20070806P-SB-H65V8.0-8.5N	8-8.5	8	10.7	2.7	4.2	H-8	2
P-SB-H66	3/4/2009	PSBH66-0.0-0.5	0-.5	0.0	7.8	7.8	159	H-11/H-13	-0.3

Table 3-11 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area H
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-H66	3/4/2009	PSBH66-1.9-2.4	1.9-2.4	1.9	7.8	5.9	14	H-11/H-13	-0.3
P-SB-H68	3/4/2009	PSBH68-0.0-0.5	0-.5	0.0	6.7	6.7	61	H-13	-0.3
P-SB-H68	3/4/2009	PSBH68-5.9-6.4	5.9-6.4	5.9	6.7	0.8	12	H-13	-0.3
P-SB-H69	3/5/2009	PSBH69-0.0-0.5	0-.5	0.0	9.1	9.1	140	H-13	-0.3
P-SB-H69	3/9/2009	PSBH69-4.0-4.5	4-4.5	4.0	9.1	5.1	93	H-13	-0.3
P-SB-H69	3/9/2009	PSBH69-8.3-8.8	8.3-8.8	8.3	9.1	0.8	256	H-13	-0.3
P-SB-H7	4/10/2007	20070410P-SB-H7V0.0-0.5N	0-0.5	0	10.2	10.2	6350 J	H-8/H-9	-9.4
P-SB-H7	4/10/2007	20070410P-SB-H7V2.0-2.5N	2-2.5	2	10.2	8.2	8870 J	H-8/H-9	-9.4
P-SB-H7	4/10/2007	20070410P-SB-H7V4.0-4.5N	4-4.5	4	10.2	6.2	2370 J	H-8/H-9	-9.4
P-SB-H7	4/10/2007	20070410P-SB-H7V8.0-8.5N	8-8.5	8	10.2	2.2	10.6 J	H-8/H-9	-9.4
P-SB-H71	3/5/2009	PSBH71-0.0-0.5	0-.5	0.0	5.7	5.7	279	H-9	-9.4
P-SB-H71	3/9/2009	PSBH71-5.0-5.5	5-5.5	5.0	5.7	0.7	12	H-9	-9.4
P-SB-H71	3/9/2009	PSBH71-7.0-7.5	7-7.5	7.0	5.7	-1.3	7	H-9	-9.4
P-SB-H71	3/9/2009	PSBH71-10.0-10.5	10-10.5	10.0	5.7	-4.3	8	H-9	-9.4
P-SB-H71	3/9/2009	PSBH71-12.0-12.5	12-12.5	12.0	5.7	-6.3	7	H-9	-9.4
P-SB-H72	3/5/2009	PSBH72-0.0-0.5	0-.5	0.0	11.5	11.5	355	H-6/H-9	-9.4
P-SB-H72	3/5/2009	PSBH72-4.0-4.5	4-4.5	4.0	11.5	7.5	45	H-6/H-9	-9.4
P-SB-H72	3/5/2009	PSBH72-8.8-9.3	8.8-9.3	8.8	11.5	2.7	34	H-6/H-9	-9.4
P-SB-H73	3/3/2009	PSBH73-0.0-0.5	0-.5	0.0	10.6	10.6	7020	H-3/H-6	0.6
P-SB-H74	3/3/2009	PSBH74-0.0-0.5	0-.5	0.0	11.1	11.1	56	H-3	0.9
P-SB-H74	3/3/2009	PSBH74-4.0-4.5	4-4.5	4.0	11.1	7.1	17	H-3	0.9
P-SB-H74	3/3/2009	PSBH74-8.0-8.5	8-8.5	8.0	11.1	3.1	13	H-3	0.9
P-SB-H74	3/3/2009	PSBH74-9.0-9.5	9-9.5	9.0	11.1	2.1	21	H-3	0.9
P-SB-H75	3/3/2009	PSBH75-0.0-0.5	0-.5	0.0	11.5	11.5	1075	H-3/H-6	0.6
P-SB-H76	3/3/2009	PSBH76-0.0-0.5	0-.5	0.0	11.2	11.2	222	H-5/H-6	0.6
P-SB-H76	3/3/2009	PSBH76-2.0-2.5	2.0	2.0	11.2	9.2	665	H-5/H-6	0.6
P-SB-H77	3/3/2009	PSBH77-0.0-0.5	0-.5	0.0	10.5	10.5	356	H-2/H-5	2.7
P-SB-H77	3/3/2009	PSBH77-2.0-2.5	2-2.5	2.0	10.5	8.5	15	H-2/H-5	2.7
P-SB-H77	3/3/2009	PSBH77-4.0-4.5	4-4.5	4.0	10.5	6.5	14	H-2/H-5	2.7
P-SB-H77	3/3/2009	PSBH77-6.6-7.1	6.6-7.1	6.6	10.5	3.9	60	H-2/H-5	2.7
P-SB-H78	3/3/2009	PSBH78-0.0-0.5	0-.5	0.0	10.4	10.4	126	H-2	3.4
P-SB-H78	3/3/2009	PSBH78-1.8-2.5	1.8-2.5	1.8	10.4	8.6	7	H-2	3.4
P-SB-H79	3/3/2009	PSBH79-0.0-0.5	0-.5	0.0	8.1	8.1	48	H-2/H-15	2.3
P-SB-H79	3/3/2009	PSBH79-1.9-2.4	1.9-2.4	1.9	8.1	6.2	9	H-2/H-15	2.3
P-SB-H8	4/13/2007	20070413P-SB-H8V0.0-0.5N	0-0.5	0	9.74	9.7	1540 J	H-9	-9.4
P-SB-H8	4/13/2007	20070413P-SB-H8V2.0-2.5N	2-2.5	2	9.74	7.7	5650 J	H-9	-9.4
P-SB-H8	4/13/2007	20070413P-SB-H8V4.0-4.5N	4-4.5	4	9.74	5.7	4780 J	H-9	-9.4
P-SB-H8	4/13/2007	20070413P-SB-H8V6.0-6.5N	6-6.5	6	9.74	3.7	31.8 J	H-9	-9.4
P-SB-H8	5/30/2007	20070530P-SB-H8V10.0-10.5N	10-10.5	10	9.74	-0.3	1190 J	H-9	-9.4
P-SB-H8	5/30/2007	20070530P-SB-H8V12.0-12.5N	12-12.5	12	9.74	-2.3	57.8 J	H-9	-9.4
P-SB-H8	5/30/2007	20070530P-SB-H8V12.5-13.0N	12.5-13	12.5	9.74	-2.8	26.1 J	H-9	-9.4
P-SB-H8	5/30/2007	20070530P-SB-H8V15.0-15.5N	15-15.5	15	9.74	-5.3	808 J	H-9	-9.4
P-SB-H8	5/30/2007	20070530P-SB-H8V17.0-17.5N	17-17.5	17	9.74	-7.3	0.82 J	H-9	-9.4
P-SB-H8	5/30/2007	20070530P-SB-H8V19.0-19.5N	19-19.5	19	9.74	-9.3	0.76 J	H-9	-9.4
P-SB-H83	3/4/2009	PSBH83-0.0-0.5	0-.5	0.0	9.2	9.2	281	H-4	1.1
P-SB-H83	3/4/2009	PSBH83-0.9-1.4	0.9-1.4	0.9	9.2	8.3	13	H-4	1.1
P-SB-H84	3/4/2009	PSBH84-0.0-0.5	0-.5	0.0	9.2	9.2	676	H-4/H-17	1.1
P-SB-H86	3/5/2009	PSBH86-0.0-0.5	0-.5	0.0	8.8	8.8	382	H-12/H-14	-5.4
P-SB-H86	3/9/2009	PSBH86-2.7-3.2	2.7-3.2	2.7	8.8	6.1	70982	H-12/H-14	-5.4
P-SB-H88	3/4/2009	PSBH88-0.0-0.5	0-.5	0.0	9.0	9.0	162	H-17	6.1

Table 3-11 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area H
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-H88	3/4/2009	PSBH88-1.6-2.1	1.6-2.1	1.6	9.0	7.4	11	H-17	6.1
P-SB-H9	4/11/2007	20070411P-SB-H9V0.0-0.5N	0-0.5	0	10.2	10.2	3780	H-7/H-8/H-10	2
P-SB-H9	4/11/2007	20070411P-SB-H9V2.0-2.5N	2-2.5	2	10.2	8.2	561	H-7/H-8/H-10	2
P-SB-H9	4/11/2007	20070411P-SB-H9V4.0-4.5N	4-4.5	4	10.2	6.2	374	H-7/H-8/H-10	2
P-SB-H9	4/11/2007	20070411P-SB-H9V6.0-6.5N	6-6.5	6	10.2	4.2	300	H-7/H-8/H-10	2
P-SB-H9	4/11/2007	20070411P-SB-H9V8.0-8.5N	8-8.5	8	10.2	2.2	368	H-7/H-8/H-10	2
P-SB-H90	3/4/2009	PSBH90-0.3-0.8	0.3-.8	0.3	7.5	7.2	27	H-11/H-17	4.7
P-SB-H91	3/3/2009	PSBH91-0.0-0.5	0-.5	0.0	10.2	10.2	16	H-11/H-17	4.7
P-SB-H91	3/3/2009	PSBH91-4.1-4.6	4.1-4.6	4.1	10.2	6.1	11	H-15	5
P-SB-H96	3/10/2009	PSBH96-0.0-0.5	0-.5	0.0	11.1	11.1	24	H-3	0.9
P-SB-H96	3/10/2009	PSBH96-6.0-6.5	6-6.5	6.0	11.1	5.1	15	H-3	0.9
P-SB-H96	3/10/2009	PSBH96-9.0-9.5	9-9.5	9.0	11.1	2.1	1660	H-3	0.9
P-SB-H98	3/10/2009	PSBH98-0.0-0.5	0-.5	0.0	6.1	6.1	124	H-13	-0.3
P-SB-H98	3/10/2009	PSBH98-5.3-5.8	5.3-5.8	5.3	6.1	0.8	11	H-13	-0.3
P-SB-H99	3/10/2009	PSBH99-0.0-0.5	0-.5	0.0	8.3	8.3	20	H-15	5
P-SB-H99	3/10/2009	PSBH99-3.5-4.0	3.5-4.0	3.5	8.3	4.8	26	H-15	5

[1]Where sample point is shared by multiple excavation subareas, the depth of the sample > 620 mg/kg mercury was always taken to the lowest excavation elevation as defined in the construction drawings.

Indicates a result greater than 620 mg/kg

Table 3-12 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area I
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-I1	3/13/2007	20070313P-SB-I1V0.0-0.5N	0-0.5	0	4.6	4.6	1950 J	I-18/I-20	-0.3
P-SB-I1	3/13/2007	20070313P-SB-I1V2.0-2.5N	2-2.5	2	4.6	2.6	536	I-18/I-20	-0.3
P-SB-I10	3/30/2007	20070330P-SB-I10V0.0-0.5N	0-0.5	0	7.8	7.8	1650	I-10/I-11/I-20	-2.0
P-SB-I10	3/30/2007	20070330P-SB-I10V2.0-2.5N	2-2.5	2	7.8	5.8	1590	I-10/I-11/I-20	-2.0
P-SB-I10	3/30/2007	20070330P-SB-I10V4.0-4.5N	4-4.5	4	7.8	3.8	2450	I-10/I-11/I-20	-2.0
P-SB-I10	3/30/2007	20070330P-SB-I10V8.0-8.5N	8-8.5	8	7.8	-0.2	518	I-10/I-11/I-20	-2.0
P-SB-I10	3/30/2007	20070330P-SB-I10V10.0-10.5N	10-10.5	10	7.8	-2.2	4.9	I-10/I-11/I-20	-2.0
P-SB-I100	7/12/2007	20070712P-SB-I100V6.0-6.5N	6-6.5	6	7.3	1.3	2.6	I-2A/I-3A	-1.3
P-SB-I100	7/12/2007	20070712P-SB-I100V7.0-7.5N	7-7.5	7	7.3	0.3	0.68	I-2A/I-3A	-1.3
P-SB-I101	7/11/2007	20070711P-SB-I101V6.0-6.5N	6-6.5	6	6.6	0.6	100	I-2A	0.9
P-SB-I101	7/11/2007	20070711P-SB-I101V7.0-7.5N	7-7.5	7	6.6	-0.4	4.8	I-2A	0.9
P-SB-I102	7/11/2007	20070711P-SB-I102V6.0-6.5N	6-6.5	6	7.2	1.2	0.32	I-2A	0.9
P-SB-I102	7/11/2007	20070711P-SB-I102V7.0-7.5N	7-7.5	7	7.2	0.2	2.4	I-2A	0.9
P-SB-I103	7/10/2007	20070710P-SB-I103V6.0-6.5N	6-6.5	6	8.1	2.1	107	I-2A	0.9
P-SB-I103	7/10/2007	20070710P-SB-I103V7.0-7.5N	7-7.5	7	8.1	1.1	0.48	I-2A	0.9
P-SB-I104	7/10/2007	20070710P-SB-I104V6.0-6.5N	6-6.5	6	7.8	1.8	11.7	I-2A	0.9
P-SB-I104	7/10/2007	20070710P-SB-I104V7.0-7.5N	7-7.5	7	7.8	0.8	0.058	I-2A	0.9
P-SB-I105	7/11/2007	20070711P-SB-I105V6.0-6.5N	6-6.5	6	7.9	1.9	12.7	I-2A	0.9
P-SB-I105	7/11/2007	20070711P-SB-I105V7.0-7.5N	7-7.5	7	7.9	0.9	0.58	I-2A	0.9
P-SB-I106	7/11/2007	20070711P-SB-I106V6.0-6.5N	6-6.5	6	7.8	1.8	0.25	I-2A/I-5	-1.7
P-SB-I106	7/11/2007	20070711P-SB-I106V7.0-7.5N	7-7.5	7	7.8	0.8	0.054	I-2A/I-5	-1.7
P-SB-I108	3/5/2009	PSBI108-0.0-0.5	0-.5	0.0	6.8	6.8	135.5	I-16/I-23A	0.8
P-SB-I108	3/6/2009	PSBI108-5.2-5.7	5.2-5.7	5.2	6.8	1.6	1160	I-16/I-23A	0.8
P-SB-I109	3/6/2009	PSBI109-0.0-0.5	0-.5	0.0	7.0	7.0	459	I-16/I-17	0.8
P-SB-I109	3/6/2009	PSBI109-5.1-5.6	5.1-5.6	5.1	7.0	1.9	85	I-16/I-17	0.8
P-SB-I11	3/30/2007	20070330P-SB-I11V0.0-0.5N	0-0.5	0	7.2	7.2	1430	I-18/I-20	-0.3
P-SB-I11	3/30/2007	20070330P-SB-I11V2.0-2.5N	2-2.5	2	7.2	5.2	1150	I-18/I-20	-0.3
P-SB-I11	3/30/2007	20070330P-SB-I11V4.0-4.5N	4-4.5	4	7.2	3.2	357	I-18/I-20	-0.3
P-SB-I11	3/30/2007	20070330P-SB-I11V6.0-6.5N	6-6.5	6	7.2	1.2	60.4	I-18/I-20	-0.3
P-SB-I110	3/6/2009	PSBI110-0.0-0.5	0-.5	0.0	8.4	8.4	201.5	I-17/I-19	0.8
P-SB-I110	3/6/2009	PSBI110-2.9-3.4	2.9-3..4	2.9	8.4	5.5	8.5	I-17/I-19	0.8
P-SB-I111	3/6/2009	PSBI111-0.0-0.5	0-.5	0.0	7.8	7.8	123	I-18/I-19	0.8
P-SB-I111	3/6/2009	PSBI111-2.7-3.2	2.7-3.2	2.7	7.8	5.1	7.5	I-18/I-19	0.8
P-SB-I113	3/6/2009	PSBI113-0.3-0.8	0.3-.8	0.3	7.2	6.9	753	I-18/I-29	3.3
P-SB-I114	3/6/2009	PSBI114-2.2-2.7	2.2-2.7	2.2	9.1	6.9	292	I-21/I-29	0.5
P-SB-I116	3/6/2009	PSBI116-0.0-0.5	0-.5	0.0	7.8	7.8	579.5	I-20/I-22	-0.3
P-SB-I117	3/6/2009	PSBI117-0.0-0.5	0-.5	0.0	6.5	6.5	169.5	I-22	0.8
P-SB-I117	3/6/2009	PSBI117-2.4-2.9	2.4-2.9	2.4	6.5	4.1	60	I-22	0.8
P-SB-I119	3/6/2009	PSBI119-0.0-0.5	0-.5	0.0	8.4	8.4	17874.5	I-7/I-30	3
P-SB-I12	3/29/2007	20070329P-SB-I12V0.0-0.5N	0-0.5	0	7.2	7.2	160	I-18/I-20	-0.3
P-SB-I12	3/29/2007	20070329P-SB-I12V1.0-1.5N	1-1.5	1	7.2	6.2	14.8	I-18/I-20	-0.3
P-SB-I12	3/29/2007	20070329P-SB-I12V2.0-2.5N	2-2.5	2	7.2	5.2	85.1	I-18/I-20	-0.3
P-SB-I12	3/29/2007	20070329P-SB-I12V4.0-4.5N	4-4.5	4	7.2	3.2	52.3	I-18/I-20	-0.3
P-SB-I12	3/29/2007	20070329P-SB-I12V6.0-6.5N	6-6.5	6	7.2	1.2	53.1	I-18/I-20	-0.3
P-SB-I121	3/5/2009	PSBI121-0.7-1.3	0.7-1.2	0.7	7.8	7.1	78.5	I-2A/I-28	1.7
P-SB-I124	3/5/2009	PSBI124-0.0-0.5	0-.5	0.0	6.5	6.5	280.5	I-1A/I-2A	0.9
P-SB-I124	3/5/2009	PSBI124-2.0-2.5	2-2.5	2.0	6.5	4.5	708.5	I-1A/I-2A	0.9
P-SB-I125	3/6/2009	PSBI125-0.0-0.5	0-.5	0.0	9.1	9.1	645	I-20/I-21	-0.3
P-SB-I126	3/6/2009	PSBI126-0.2-0.7	0.2-.7	0.2	7.3	7.1	484	I-30	5.9
P-SB-I127	3/6/2009	PSBI127-0.0-0.5	0-.5	0.0	6.8	6.8	165.5	I-30	5.9

Table 3-12 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area I
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-I128	3/6/2009	PSBI128-0.0-0.5	0-.5	0.0	7.9	7.9	76.5	I-30	5.9
P-SB-I128	3/6/2009	PSBI128-1.0-1.5	1-1.5	1.0	7.9	6.9	332.5	I-30	5.9
P-SB-I13	3/29/2007	20070329P-SB-I13V0.0-0.5N	0-0.5	0	6	6.0	70.2	I-20/I-22/I-30	-0.3
P-SB-I13	3/29/2007	20070329P-SB-I13V2.0-2.5N	2-2.5	2	6	4.0	32	I-20/I-22/I-30	-0.3
P-SB-I13	3/29/2007	20070329P-SB-I13V4.0-4.5N	4-4.5	4	6	2.0	103 J	I-20/I-22/I-30	-0.3
P-SB-I13	3/29/2007	20070329P-SB-I13V6.0-6.5FD	6-6.5	6	6	0.0	0.83 J	I-20/I-22/I-30	-0.3
P-SB-I13	3/29/2007	20070329P-SB-I13V6.0-6.5N	6-6.5	6	6	0.0	0.29 J	I-20/I-22/I-30	-0.3
P-SB-I133	3/9/2009	PSBI133-0.5-1.0	0.5-1.0	0.5	7.3	6.8	37.5	I-34	5.4
P-SB-I138	3/9/2009	PSBI138-0.0-0.5	0-.5	0.0	7.6	7.6	3961.5	I-24/I-26	4.6
P-SB-I139	3/9/2009	PSBI139-0.0-0.5	0-.5	0.0	13.1	13.1	38498.5	I-26/I-27	6.9
P-SB-I140	3/5/2009	PSBI140-0.5-1.0	0.5-1.0	0.5	8.5	8.0	199.5	I-27/I-28	6
P-SB-I15	4/2/2007	20070402P-SB-I15V0.0-0.5N	0-0.5	0	6.4	6.4	349	I-12/I-15/I-18/I-20	-2.0
P-SB-I15	4/2/2007	20070402P-SB-I15V0.5-1.0N	0.5-1	0.5	6.4	5.9	512	I-12/I-15/I-18/I-20	-2.0
P-SB-I15	4/2/2007	20070402P-SB-I15V2.0-2.5FD	2-2.5	2	6.4	4.4	145	I-12/I-15/I-18/I-20	-2.0
P-SB-I15	4/2/2007	20070402P-SB-I15V2.0-2.5N	2-2.5	2	6.4	4.4	168	I-12/I-15/I-18/I-20	-2.0
P-SB-I15	4/2/2007	20070402P-SB-I15V5.0-5.5N	5-5.5	5	6.4	1.4	174 J	I-12/I-15/I-18/I-20	-2.0
P-SB-I15	4/2/2007	20070402P-SB-I15V7.0-7.5N	7-7.5	7	6.4	-0.6	1.7	I-12/I-15/I-18/I-20	-2.0
P-SB-I15	4/2/2007	20070402P-SB-I15V9.0-9.5N	9-9.5	9	6.4	-2.6	1.4	I-12/I-15/I-18/I-20	-2.0
P-SB-I16	3/28/2007	20070328P-SB-I16V0.0-0.5N	0-0.5	0	5.8	5.8	112	I-22	0.8
P-SB-I16	3/28/2007	20070328P-SB-I16V6.0-6.5N	6-6.5	6	5.8	-0.2	5.6	I-22	0.8
P-SB-I17	4/4/2007	20070404P-SB-I17V0.0-0.5N	0-0.5	0	7.8	7.8	353	I-18/I-20/I-21	-0.3
P-SB-I17	4/4/2007	20070404P-SB-I17V2.0-2.5N	2-2.5	2	7.8	5.8	668	I-18/I-20/I-21	-0.3
P-SB-I17	4/4/2007	20070404P-SB-I17V4.0-4.5FD	4-4.5	4	7.8	3.8	363	I-18/I-20/I-21	-0.3
P-SB-I17	4/4/2007	20070404P-SB-I17V4.0-4.5N	4-4.5	4	7.8	3.8	291	I-18/I-20/I-21	-0.3
P-SB-I17	4/4/2007	20070404P-SB-I17V6.0-6.5N	6-6.5	6	7.8	1.8	44.1	I-18/I-20/I-21	-0.3
P-SB-I17	4/4/2007	20070404P-SB-I17V8.0-8.5N	8-8.5	8	7.8	-0.2	10.8	I-18/I-20/I-21	-0.3
P-SB-I2	3/13/2007	20070313P-SB-I2V0.0-0.5N	0-0.5	0	7.3	7.3	360	I-18/I-20	-0.3
P-SB-I2	3/13/2007	20070313P-SB-I2V2.0-2.5N	2-2.5	2	7.3	5.3	12.7	I-18/I-20	-0.3
P-SB-I21	4/3/2007	20070403P-SB-I21V0.0-0.5N	0-0.5	0	8.6	8.6	119	I-21	0.5
P-SB-I21	4/3/2007	20070403P-SB-I21V2.0-2.5FD	2-2.5	2	8.6	6.6	294	I-21	0.5
P-SB-I21	4/3/2007	20070403P-SB-I21V2.0-2.5N	2-2.5	2	8.6	6.6	281	I-21	0.5
P-SB-I21	4/3/2007	20070403P-SB-I21V5.0-5.5N	5-5.5	5	8.6	3.6	129 J	I-21	0.5
P-SB-I21	4/3/2007	20070403P-SB-I21V8.0-8.5N	8-8.5	8	8.6	0.6	12.1	I-21	0.5
P-SB-I21	4/3/2007	20070403P-SB-I21V9.0-9.5N	9-9.5	9	8.6	-0.4	1.2	I-21	0.5
P-SB-I24	4/20/2007	20070420P-SB-I24V0.0-0.5N	0-0.5	0	6.8	6.8	502 J	I-14/I-15/I-16/I-17	-1.3
P-SB-I24	4/20/2007	20070420P-SB-I24V2.0-2.5N	2-2.5	2	6.8	4.8	1670 J	I-14/I-15/I-16/I-17	-1.3
P-SB-I24	4/20/2007	20070420P-SB-I24V4.0-4.5N	4-4.5	4	6.8	2.8	1130 J	I-14/I-15/I-16/I-17	-1.3
P-SB-I24	4/20/2007	20070420P-SB-I24V6.0-6.5N	6-6.5	6	6.8	0.8	613 J	I-14/I-15/I-16/I-17	-1.3
P-SB-I24	4/20/2007	20070420P-SB-I24V8.0-8.5N	8-8.5	8	6.8	-1.2	57.7 J	I-14/I-15/I-16/I-17	-1.3
P-SB-I24	4/20/2007	20070420P-SB-I24V10.0-10.5N	10-10.5	10	6.8	-3.2	20.7 J	I-14/I-15/I-16/I-17	-1.3
P-SB-I25	4/20/2007	20070420P-SB-I25V0.0-0.5FD	0-0.5	0	6.08	6.1	595 J	I-12	-2.0
P-SB-I25	4/20/2007	20070420P-SB-I25V0.0-0.5N	0-0.5	0	6.08	6.1	1500 J	I-12	-2.0
P-SB-I25	4/20/2007	20070420P-SB-I25V2.0-2.5N	2-2.5	2	6.08	4.1	556 J	I-12	-2.0
P-SB-I25	4/20/2007	20070420P-SB-I25V6.0-6.5N	6-6.5	6	6.08	0.1	1440 J	I-12	-2.0
P-SB-I25	4/20/2007	20070420P-SB-I25V8.0-8.5N	8-8.5	8	6.08	-1.9	4.8 J	I-12	-2.0
P-SB-I25	4/20/2007	20070420P-SB-I25V10.0-10.5N	10-10.5	10	6.08	-3.9	11.5 J	I-12	-2.0
P-SB-I26	4/20/2007	20070420P-SB-I26V0.0-0.5N	0-0.5	0	7.5	7.5	4050 J	I-9/I-10/I-12	-2.0
P-SB-I26	4/20/2007	20070420P-SB-I26V2.0-2.5N	2-2.5	2	7.5	5.5	5660 J	I-9/I-10/I-12	-2.0
P-SB-I26	4/20/2007	20070420P-SB-I26V4.0-4.5N	4-4.5	4	7.5	3.5	271 J	I-9/I-10/I-12	-2.0
P-SB-I26	4/20/2007	20070420P-SB-I26V6.0-6.5N	6-6.5	6	7.5	1.5	11.8 J	I-9/I-10/I-12	-2.0

Table 3-12 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area I
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-I26	4/20/2007	20070420P-SB-I26V8.0-8.5N	8-8.5	8	7.5	-0.5	26.5 J	I-9/I-10/I-12	-2.0
P-SB-I26	4/20/2007	20070420P-SB-I26V10.0-10.5N	10-10.5	10	7.5	-2.5	5 J	I-9/I-10/I-12	-2.0
P-SB-I27	4/19/2007	20070419P-SB-I27V0.0-0.5N	0-0.5	0	9	9.0	1580 J	I-10/I-11	-2.2
P-SB-I27	4/19/2007	20070419P-SB-I27V2.0-2.5FD	2-2.5	2	9	7.0	36900 J	I-10/I-11	-2.2
P-SB-I27	4/19/2007	20070419P-SB-I27V2.0-2.5N	2-2.5	2	9	7.0	38900 J	I-10/I-11	-2.2
P-SB-I27	4/19/2007	20070419P-SB-I27V4.0-4.5N	4-4.5	4	9	5.0	709 J	I-10/I-11	-2.2
P-SB-I27	4/19/2007	20070419P-SB-I27V8.0-8.5N	8-8.5	8	9	1.0	2150 J	I-10/I-11	-2.2
P-SB-I27	4/19/2007	20070419P-SB-I27V10.0-10.5N	10-10.5	10	9	-1.0	245 J	I-10/I-11	-2.2
P-SB-I28	4/19/2007	20070419P-SB-I28V0.0-0.5N	0-0.5	0	8.89	8.9	21600 J	I-11	-2.2
P-SB-I28	4/19/2007	20070419P-SB-I28V2.0-2.5N	2-2.5	2	8.89	6.9	6070 J	I-11	-2.2
P-SB-I28	4/19/2007	20070419P-SB-I28V4.0-4.5N	4-4.5	4	8.89	4.9	5110 J	I-11	-2.2
P-SB-I28	4/19/2007	20070419P-SB-I28V6.0-6.5N	6-6.5	6	8.89	2.9	12400 J	I-11	-2.2
P-SB-I28	4/19/2007	20070419P-SB-I28V9.0-9.5N	9-9.5	9	8.89	-0.1	683 J	I-11	-2.2
P-SB-I28	4/19/2007	20070419P-SB-I28V11.0-11.5N	11-11.5	11	8.89	-2.1	231 J	I-11	-2.2
P-SB-I29	5/3/2007	20070503P-SB-I29V0.0-0.5N	0-0.5	0	8.6	8.6	715	I-6/I-11/I-30	-2.2
P-SB-I29	5/3/2007	20070503P-SB-I29V2.0-2.5N	2-2.5	2	8.6	6.6	207	I-6/I-11/I-30	-2.2
P-SB-I29	5/3/2007	20070503P-SB-I29V5.0-5.5N	5-5.5	5	8.6	3.6	21.5	I-6/I-11/I-30	-2.2
P-SB-I29	5/3/2007	20070503P-SB-I29V7.0-7.5N	7-7.5	7	8.6	1.6	0.93	I-6/I-11/I-30	-2.2
P-SB-I29	5/3/2007	20070503P-SB-I29V9.0-9.5N	9-9.5	9	8.6	-0.4	0.67	I-6/I-11/I-30	-2.2
P-SB-I29	5/3/2007	20070503P-SB-I29V11.0-11.5N	11-1.5	11	8.6	-2.4	2.5	I-6/I-11/I-30	-2.2
P-SB-I3	3/13/2007	20070313P-SB-I3V0.0-0.5N	0-0.5	0	6.77	6.8	252	I-20	-0.3
P-SB-I3	3/13/2007	20070313P-SB-I3V2.0-2.5N	2-2.5	2	6.77	4.8	3730	I-20	-0.3
P-SB-I3	3/28/2007	20070328P-SB-I3V6.0-6.5N	6-6.5	6	6.77	0.8	3710	I-20	-0.3
P-SB-I3	3/28/2007	20070328P-SB-I3V7.0-7.5N	7-7.5	7	6.77	-0.2	15.2	I-20	-0.3
P-SB-I30	5/4/2007	20070504P-SB-I30V0.0-0.5FD	0-0.5	0	8.7	8.7	3130	I-5/I-6/I-11	-2.2
P-SB-I30	5/4/2007	20070504P-SB-I30V0.0-0.5N	0-0.5	0	8.7	8.7	3070	I-5/I-6/I-11	-2.2
P-SB-I30	5/4/2007	20070504P-SB-I30V2.0-2.5N	2-2.5	2	8.7	6.7	3380	I-5/I-6/I-11	-2.2
P-SB-I30	5/4/2007	20070504P-SB-I30V4.0-4.5N	4-4.5	4	8.7	4.7	5220	I-5/I-6/I-11	-2.2
P-SB-I30	5/4/2007	20070504P-SB-I30V6.0-6.5N	6-6.5	6	8.7	2.7	191	I-5/I-6/I-11	-2.2
P-SB-I30	5/4/2007	20070504P-SB-I30V8.0-8.5N	8-8.5	8	8.7	0.7	5.7	I-5/I-6/I-11	-2.2
P-SB-I30	5/4/2007	20070504P-SB-I30V10.0-10.5N	10-10.5	10	8.7	-1.3	1.2	I-5/I-6/I-11	-2.2
P-SB-I31	5/4/2007	20070504P-SB-I31V0.0-0.5N	0-0.5	0	8.3	8.3	1440	I-5/I-10/I-11	-2.2
P-SB-I31	5/4/2007	20070504P-SB-I31V2.0-2.5N	2-2.5	2	8.3	6.3	1900	I-5/I-10/I-11	-2.2
P-SB-I31	5/4/2007	20070504P-SB-I31V4.0-4.5N	4-4.5	4	8.3	4.3	2980	I-5/I-10/I-11	-2.2
P-SB-I31	5/4/2007	20070504P-SB-I31V8.0-8.5N	8-8.5	8	8.3	0.3	90.8	I-5/I-10/I-11	-2.2
P-SB-I31	5/4/2007	20070504P-SB-I31V10.0-10.5N	10-10.5	10	8.3	-1.7	84.1	I-5/I-10/I-11	-2.2
P-SB-I31	5/4/2007	20070504P-SB-I31V12.0-12.5N	12-12.5	12	8.3	-3.7	11.7	I-5/I-10/I-11	-2.2
P-SB-I32	5/4/2007	20070504P-SB-I32V0.0-0.5FD	0-0.5	0	6.7	6.7	2390	I-4/I-5/I-9/I-10	-1.7
P-SB-I32	5/4/2007	20070504P-SB-I32V0.0-0.5N	0-0.5	0	6.7	6.7	2590	I-4/I-5/I-9/I-10	-1.7
P-SB-I32	5/4/2007	20070504P-SB-I32V3.0-3.5N	3-3.5	3	6.7	3.7	603	I-4/I-5/I-9/I-10	-1.7
P-SB-I32	5/4/2007	20070504P-SB-I32V6.0-6.5N	6-6.5	6	6.7	0.7	7.5	I-4/I-5/I-9/I-10	-1.7
P-SB-I32	5/4/2007	20070504P-SB-I32V8.0-8.5N	8-8.5	8	6.7	-1.3	1.1	I-4/I-5/I-9/I-10	-1.7
P-SB-I32	5/4/2007	20070504P-SB-I32V10.0-10.5N	10-10.5	10	6.7	-3.3	1.1	I-4/I-5/I-9/I-10	-1.7
P-SB-I33	5/3/2007	20070503P-SB-I33V0.0-0.5FD	0-0.5	0	6.5	6.5	1060	I-9/I-12	-2.0
P-SB-I33	5/3/2007	20070503P-SB-I33V0.0-0.5N	0-0.5	0	6.5	6.5	1330	I-9/I-12	-2.0
P-SB-I33	5/3/2007	20070503P-SB-I33V2.0-2.5N	2-2.5	2	6.5	4.5	221	I-9/I-12	-2.0
P-SB-I33	5/3/2007	20070503P-SB-I33V4.0-4.5N	4-4.5	4	6.5	2.5	1020	I-9/I-12	-2.0
P-SB-I33	5/3/2007	20070503P-SB-I33V8.0-8.5N	8-8.5	8	6.5	-1.5	125	I-9/I-12	-2.0
P-SB-I33	5/3/2007	20070503P-SB-I33V10.0-10.5N	10-10.5	10	6.5	-3.5	13.4	I-9/I-12	-2.0
P-SB-I34	5/3/2007	20070503P-SB-I34V0.0-0.5FD	0-0.5	0	6	6.0	1820	I-8A/I-12	-2.0
P-SB-I34	5/3/2007	20070503P-SB-I34V0.0-0.5N	0-0.5	0	6	6.0	1520	I-8A/I-12	-2.0

Table 3-12 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area I
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-I34	5/3/2007	20070503P-SB-I34V4.0-4.5N	4-4.5	4	6	2.0	83.5	I-8A/I-12	-2.0
P-SB-I34	5/3/2007	20070503P-SB-I34V6.0-6.5N	6-6.5	6	6	0.0	24.3	I-8A/I-12	-2.0
P-SB-I34	5/3/2007	20070503P-SB-I34V8.0-8.5N	8-8.5	8	6	-2.0	27.9	I-8A/I-12	-2.0
P-SB-I34	5/3/2007	20070503P-SB-I34V10.0-10.5N	10-10.5	10	6	-4.0	1.6	I-8A/I-12	-2.0
P-SB-I35	5/2/2007	20070502P-SB-I35V0.0-0.5N	0-0.5	0	6.8	6.8	151 J	I-12/I-14/I-15	-2.0
P-SB-I35	5/2/2007	20070502P-SB-I35V2.0-2.5N	2-2.5	2	6.8	4.8	546 J	I-12/I-14/I-15	-2.0
P-SB-I35	5/2/2007	20070502P-SB-I35V4.0-4.5N	4-4.5	4	6.8	2.8	720 J	I-12/I-14/I-15	-2.0
P-SB-I35	5/2/2007	20070502P-SB-I35V6.0-6.5N	6-6.5	6	6.8	0.8	1600 J	I-12/I-14/I-15	-2.0
P-SB-I35	5/2/2007	20070502P-SB-I35V8.0-8.5N	8-8.5	8	6.8	-1.2	45.6 J	I-12/I-14/I-15	-2.0
P-SB-I35	5/2/2007	20070502P-SB-I35V10.0-10.5N	10-10.5	10	6.8	-3.2	28.1 J	I-12/I-14/I-15	-2.0
P-SB-I36	5/2/2007	20070502P-SB-I36V0.0-0.5N	0-0.5	0	6	6.0	285 J	I-13A/I-14/I-16	-1.3
P-SB-I36	5/2/2007	20070502P-SB-I36V2.0-2.5FD	2-2.5	2	6	4.0	1590 J	I-13A/I-14/I-16	-1.3
P-SB-I36	5/2/2007	20070502P-SB-I36V2.0-2.5N	2-2.5	2	6	4.0	1310 J	I-13A/I-14/I-16	-1.3
P-SB-I36	5/2/2007	20070502P-SB-I36V4.0-4.5N	4-4.5	4	6	2.0	615 J	I-13A/I-14/I-16	-1.3
P-SB-I36	5/2/2007	20070502P-SB-I36V6.0-6.5N	6-6.5	6	6	0.0	25.5 J	I-13A/I-14/I-16	-1.3
P-SB-I36	5/2/2007	20070502P-SB-I36V8.0-8.5N	8-8.5	8	6	-2.0	15.3 J	I-13A/I-14/I-16	-1.3
P-SB-I36	5/2/2007	20070502P-SB-I36V10.0-10.5N	10-10.5	10	6	-4.0	10.9 J	I-13A/I-14/I-16	-1.3
P-SB-I37	5/9/2007	20070509P-SB-I37V0.0-0.5N	0-0.5	0	7.5	7.5	102	I-16/I-23A	0.8
P-SB-I37	5/9/2007	20070509P-SB-I37V2.0-2.5N	2-2.5	2	7.5	5.5	4.4	I-16/I-23A	0.8
P-SB-I37	5/9/2007	20070509P-SB-I37V4.0-4.5FD	4-4.5	4	7.5	3.5	151	I-16/I-23A	0.8
P-SB-I37	5/9/2007	20070509P-SB-I37V4.0-4.5N	4-4.5	4	7.5	3.5	120	I-16/I-23A	0.8
P-SB-I37	5/9/2007	20070509P-SB-I37V6.0-6.5N	6-6.5	6	7.5	1.5	68.5	I-16/I-23A	0.8
P-SB-I37	5/9/2007	20070509P-SB-I37V8.0-8.5N	8-8.5	8	7.5	-0.5	11.6	I-16/I-23A	0.8
P-SB-I37	5/9/2007	20070509P-SB-I37V10.0-10.5N	10-10.5	10	7.5	-2.5	1.1	I-16/I-23A	0.8
P-SB-I38	6/1/2007	20070601P-SB-I38V0.0-0.5FD	0-0.5	0	6.8	6.8	205 J	I-13A/I-16/I-23A	-0.1
P-SB-I38	6/1/2007	20070601P-SB-I38V0.0-0.5N	0-0.5	0	6.8	6.8	271 J	I-13A/I-16/I-23A	-0.1
P-SB-I38	6/1/2007	20070601P-SB-I38V1.0-1.5N	1-1.5	1	6.8	5.8	9.9 J	I-13A/I-16/I-23A	-0.1
P-SB-I38	6/1/2007	20070601P-SB-I38V3.0-3.5N	3-3.5	3	6.8	3.8	147 J	I-13A/I-16/I-23A	-0.1
P-SB-I38	6/1/2007	20070605P-SB-I38V3.5-4.0N	3.5-4	3.5	6.8	3.3	725	I-13A/I-16/I-23A	-0.1
P-SB-I38	6/1/2007	20070601P-SB-I38V5.0-5.5N	5-5.5	5	6.8	1.8	124 J	I-13A/I-16/I-23A	-0.1
P-SB-I38	6/1/2007	20070601P-SB-I38V6.0-6.5N	6-6.5	6	6.8	0.8	0.094	I-13A/I-16/I-23A	-0.1
P-SB-I39	5/24/2007	20070524P-SB-I39V0.0-0.5N	0-0.5	0	5.8	5.8	456	I-8A/I-12/I-13A/I-14	-2.0
P-SB-I39	5/24/2007	20070524P-SB-I39V2.0-2.5N	2-2.5	2	5.8	3.8	1010	I-8A/I-12/I-13A/I-14	-2.0
P-SB-I39	5/24/2007	20070524P-SB-I39V4.0-4.5N	4-4.5	4	5.8	1.8	70.8	I-8A/I-12/I-13A/I-14	-2.0
P-SB-I39	5/24/2007	20070524P-SB-I39V6.0-6.5FD	6-6.5	6	5.8	-0.2	60.9	I-8A/I-12/I-13A/I-14	-2.0
P-SB-I39	5/24/2007	20070524P-SB-I39V6.0-6.5N	6-6.5	6	5.8	-0.2	76.5	I-8A/I-12/I-13A/I-14	-2.0
P-SB-I39	5/24/2007	20070524P-SB-I39V8.0-8.5N	8-8.5	8	5.8	-2.2	92.7	I-8A/I-12/I-13A/I-14	-2.0
P-SB-I39	5/24/2007	20070524P-SB-I39V10.0-10.5N	10-10.5	10	5.8	-4.2	30.4	I-8A/I-12/I-13A/I-14	-2.0
P-SB-I39	5/24/2007	20070524P-SB-I39V12.0-12.5N	12-12.5	12	5.8	-6.2	40.4	I-8A/I-12/I-13A/I-14	-2.0
P-SB-I4	3/13/2007	20070313P-SB-I4V0.0-0.5N	0-0.5	0	6.7	6.7	486	I-20/I-22	-0.3
P-SB-I4	3/13/2007	20070313P-SB-I4V2.0-2.5N	2-2.5	2	6.7	4.7	1120	I-20/I-22	-0.3
P-SB-I4	3/28/2007	20070328P-SB-I4V6.0-6.5N	6-6.5	6	6.7	0.7	54.5	I-20/I-22	-0.3
P-SB-I40	5/24/2007	20070524P-SB-I40V0.0-0.5N	0-0.5	0	5.9	5.9	716	I-8A/I-9/I-12	-2.0
P-SB-I40	5/24/2007	20070524P-SB-I40V2.0-2.5N	2-2.5	2	5.9	3.9	15100	I-8A/I-9/I-12	-2.0
P-SB-I40	5/24/2007	20070524P-SB-I40V4.0-4.5N	4-4.5	4	5.9	1.9	7060	I-8A/I-9/I-12	-2.0
P-SB-I40	5/24/2007	20070524P-SB-I40V6.0-6.5N	6-6.5	6	5.9	-0.1	13.6	I-8A/I-9/I-12	-2.0
P-SB-I40	5/24/2007	20070524P-SB-I40V8.0-8.5N	8-8.5	8	5.9	-2.1	17.9	I-8A/I-9/I-12	-2.0
P-SB-I40	5/24/2007	20070524P-SB-I40V10.0-10.5N	10-10.5	10	5.9	-4.1	4.8	I-8A/I-9/I-12	-2.0
P-SB-I40	5/24/2007	20070524P-SB-I40V12.0-12.5N	12-12.5	12	5.9	-6.1	41.4	I-8A/I-9/I-12	-2.0
P-SB-I41	6/5/2007	20070605P-SB-I41V0.0-0.5FD	0-0.5	0	7	7.0	454	I-3A/I-4/I-9	-1.6
P-SB-I41	6/5/2007	20070605P-SB-I41V0.0-0.5N	0-0.5	0	7	7.0	436	I-3A/I-4/I-9	-1.6

Table 3-12 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area I
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Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-I41	6/5/2007	20070605P-SB-I41V2.0-2.5N	2-2.5	2	7	5.0	726	I-3A/I-4/I-9	-1.6
P-SB-I41	6/5/2007	20070605P-SB-I41V5.0-5.5N	5-5.5	5	7	2.0	7670	I-3A/I-4/I-9	-1.6
P-SB-I41	6/5/2007	20070605P-SB-I41V6.0-6.5N	6-6.5	6	7	1.0	251	I-3A/I-4/I-9	-1.6
P-SB-I41	6/5/2007	20070605P-SB-I41V7.0-7.5N	7-7.5	7	7	0.0	5.5	I-3A/I-4/I-9	-1.6
P-SB-I42	6/1/2007	20070601P-SB-I42V0.0-0.5FD	0-0.5	0	7.8	7.8	1380	I-2A/I-4/I-5	-1.7
P-SB-I42	6/1/2007	20070601P-SB-I42V0.0-0.5N	0-0.5	0	7.8	7.8	1500	I-2A/I-4/I-5	-1.7
P-SB-I42	6/1/2007	20070601P-SB-I42V2.0-2.5N	2-2.5	2	7.8	5.8	736	I-2A/I-4/I-5	-1.7
P-SB-I42	6/1/2007	20070601P-SB-I42V4.0-4.5N	4-4.5	4	7.8	3.8	158	I-2A/I-4/I-5	-1.7
P-SB-I42	6/1/2007	20070601P-SB-I42V5.0-5.5N	5-5.5	5	7.8	2.8	2.9	I-2A/I-4/I-5	-1.7
P-SB-I42	6/1/2007	20070601P-SB-I42V6.0-6.5N	6-6.5	6	7.8	1.8	0.84	I-2A/I-4/I-5	-1.7
P-SB-I43	5/25/2007	20070525P-SB-I43V0.0-0.5N	0-0.5	0	8.45	8.5	3730	I-5	-1.7
P-SB-I43	5/25/2007	20070525P-SB-I43V2.0-2.5FD	2-2.5	2	8.45	6.5	3380	I-5	-1.7
P-SB-I43	5/25/2007	20070525P-SB-I43V2.0-2.5N	2-2.5	2	8.45	6.5	3420	I-5	-1.7
P-SB-I43	5/25/2007	20070525P-SB-I43V4.0-4.5N	4-4.5	4	8.45	4.5	1780	I-5	-1.7
P-SB-I43	5/25/2007	20070525P-SB-I43V6.0-6.5N	6-6.5	6	8.45	2.5	821	I-5	-1.7
P-SB-I43	5/25/2007	20070525P-SB-I43V10.0-10.5N	10-10.5	10	8.45	-1.6	19.9	I-5	-1.7
P-SB-I43	5/25/2007	20070525P-SB-I43V10.5-11.0N	10.5-11	10.5	8.45	-2.1	6.6	I-5	-1.7
P-SB-I43	5/25/2007	20070525P-SB-I43V12.0-12.5N	12-12.5	12	8.45	-3.6	17.4	I-5	-1.7
P-SB-I44	6/1/2007	20070601P-SB-I44V0.0-0.5FD	0-0.5	0	8.6	8.6	1950	I-5/I-6	-1.7
P-SB-I44	6/1/2007	20070601P-SB-I44V0.0-0.5N	0-0.5	0	8.6	8.6	2700	I-5/I-6	-1.7
P-SB-I44	6/1/2007	20070601P-SB-I44V2.0-2.5N	2-2.5	2	8.6	6.6	2220	I-5/I-6	-1.7
P-SB-I44	6/1/2007	20070601P-SB-I44V4.0-4.5N	4-4.5	4	8.6	4.6	3480	I-5/I-6	-1.7
P-SB-I44	6/1/2007	20070601P-SB-I44V6.0-6.5N	6-6.5	6	8.6	2.6	122	I-5/I-6	-1.7
P-SB-I44	6/1/2007	20070601P-SB-I44V6.5-7.0N	6.5-7	6.5	8.6	2.1	4	I-5/I-6	-1.7
P-SB-I45	6/1/2007	20070601P-SB-I45V0.0-0.5N	0-0.5	0	8.4	8.4	2240	I-6/I-11	-2.2
P-SB-I45	6/1/2007	20070601P-SB-I45V2.0-2.5N	2-2.5	2	8.4	6.4	3110	I-6/I-11	-2.2
P-SB-I45	6/1/2007	20070601P-SB-I45V4.0-4.5N	4-4.5	4	8.4	4.4	1540	I-6/I-11	-2.2
P-SB-I45	6/1/2007	20070601P-SB-I45V6.0-6.5N	6-6.5	6	8.4	2.4	90.8 J	I-6/I-11	-2.2
P-SB-I45	6/1/2007	20070601P-SB-I45V6.5-7.0N	6.5-7	6.5	8.4	1.9	8.8	I-6/I-11	-2.2
P-SB-I46	6/1/2007	20070601P-SB-I46V0.0-0.5N	0-0.5	0	7.7	7.7	863	I-6/I-7/I-30	2.3
P-SB-I46	6/1/2007	20070601P-SB-I46V2.0-2.5N	2-2.5	2	7.7	5.7	76	I-6/I-7/I-30	2.3
P-SB-I46	6/1/2007	20070601P-SB-I46V4.0-4.5N	4-4.5	4	7.7	3.7	607	I-6/I-7/I-30	2.3
P-SB-I46	6/1/2007	20070601P-SB-I46V6.0-6.5N	6-6.5	6	7.7	1.7	0.6	I-6/I-7/I-30	2.3
P-SB-I5	3/14/2007	20070314P-SB-I5V0.0-0.5FD	0-0.5	0	8.5	8.5	253	I-20/I-21/I-22	-0.3
P-SB-I5	3/14/2007	20070314P-SB-I5V0.0-0.5N	0-0.5	0	8.5	8.5	312	I-20/I-21/I-22	-0.3
P-SB-I5	3/14/2007	20070314P-SB-I5V2.0-2.5N	2-2.5	2	8.5	6.5	148	I-20/I-21/I-22	-0.3
P-SB-I50	6/5/2007	20070605P-SB-I50V0.0-0.5N	0-0.5	0	7.7	7.7	3930	I-7/I-30	3.0
P-SB-I50	6/5/2007	20070605P-SB-I50V2.0-2.5N	2-2.5	2	7.7	5.7	32.8	I-7/I-30	3.0
P-SB-I50	6/5/2007	20070605P-SB-I50V4.0-4.5N	4-4.5	4	7.7	3.7	1.8	I-7/I-30	3.0
P-SB-I50	6/5/2007	20070605P-SB-I50V6.0-6.5N	6-6.5	6	7.7	1.7	0.34	I-7/I-30	3.0
P-SB-I51	6/5/2007	20070605P-SB-I51V0.0-0.5FD	0-0.5	0	10.8	10.8	673 J	I-6/I-7	2.3
P-SB-I51	6/5/2007	20070605P-SB-I51V0.0-0.5N	0-0.5	0	10.8	10.8	309 J	I-6/I-7	2.3
P-SB-I51	6/5/2007	20070605P-SB-I51V2.0-2.5N	2-2.5	2	10.8	8.8	4510	I-6/I-7	2.3
P-SB-I51	6/5/2007	20070605P-SB-I51V4.0-4.5N	4-4.5	4	10.8	6.8	2310	I-6/I-7	2.3
P-SB-I51	6/5/2007	20070605P-SB-I51V8.0-8.5N	8-8.5	8	10.8	2.8	41.8	I-6/I-7	2.3
P-SB-I51	6/5/2007	20070605P-SB-I51V8.5-9.0N	8.5-9	8.5	10.8	2.3	11.3	I-6/I-7	2.3
P-SB-I52	6/6/2007	20070606P-SB-I52V0.0-0.5N	0-0.5	0	11	11.0	78.9	I-6/I-31	2.3
P-SB-I52	6/6/2007	20070606P-SB-I52V1.0-1.5N	1-1.5	1	11	10.0	1830	I-6/I-31	2.3
P-SB-I52	6/6/2007	20070606P-SB-I52V2.0-2.5N	2-2.5	2	11	9.0	197	I-6/I-31	2.3
P-SB-I52	6/6/2007	20070606P-SB-I52V5.0-5.5N	5-5.5	5	11	6.0	63.5	I-6/I-31	2.3

Table 3-12 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area I
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-I52	6/6/2007	20070606P-SB-I52V6.0-6.5N	6-6.5	6	11	5.0	10	I-6/I-31	2.3
P-SB-I53	6/5/2007	20070605P-SB-I53V0.0-0.5N	0-0.5	0	10.2	10.2	536	I-5/I-6/I-25/I-28	-1.7
P-SB-I53	6/5/2007	20070605P-SB-I53V2.0-2.5N	2-2.5	2	10.2	8.2	417	I-5/I-6/I-25/I-28	-1.7
P-SB-I53	6/5/2007	20070605P-SB-I53V4.0-4.5N	4-4.5	4	10.2	6.2	102	I-5/I-6/I-25/I-28	-1.7
P-SB-I53	6/5/2007	20070605P-SB-I53V6.0-6.5N	6-6.5	6	10.2	4.2	7.3 J	I-5/I-6/I-25/I-28	-1.7
P-SB-I53	6/5/2007	20070605P-SB-I53V8.0-8.5N	8-8.5	8	10.2	2.2	0.95	I-5/I-6/I-25/I-28	-1.7
P-SB-I54	6/6/2007	20070606P-SB-I54V0.0-0.5FD	0-0.5	0	8.07	8.1	5670	I-2A/I-5/I-28	-1.7
P-SB-I54	6/6/2007	20070606P-SB-I54V0.0-0.5N	0-0.5	0	8.07	8.1	6130	I-2A/I-5/I-28	-1.7
P-SB-I54	6/6/2007	20070606P-SB-I54V2.0-2.5N	2-2.5	2	8.07	6.1	239	I-2A/I-5/I-28	-1.7
P-SB-I54	6/6/2007	20070606P-SB-I54V5.0-5.5N	5-5.5	5	8.07	3.1	143	I-2A/I-5/I-28	-1.7
P-SB-I54	6/6/2007	20070606P-SB-I54V6.0-6.5N	6-6.5	6	8.07	2.1	2.4 R	I-2A/I-5/I-28	-1.7
P-SB-I54	6/6/2007	20070606P-SB-I54V6.5-7.0N	6.5-7	6.5	8.07	1.6	0.72	I-2A/I-5/I-28	-1.7
P-SB-I55	6/5/2007	20070605P-SB-I55V0.0-0.5N	0-0.5	0	8.6	8.6	1	I-2A/I-5	-1.7
P-SB-I55	6/5/2007	20070605P-SB-I55V2.0-2.5N	2-2.5	2	8.6	6.6	118	I-2A/I-5	-1.7
P-SB-I55	6/5/2007	20070605P-SB-I55V3.0-3.5N	3-3.5	3	8.6	5.6	3060	I-2A/I-5	-1.7
P-SB-I55	6/5/2007	20070605P-SB-I55V5.0-5.5N	5-5.5	5	8.6	3.6	2280	I-2A/I-5	-1.7
P-SB-I55	6/5/2007	20070605P-SB-I55V6.0-6.5N	6-6.5	6	8.6	2.6	17.8	I-2A/I-5	-1.7
P-SB-I55	6/5/2007	20070605P-SB-I55V7.0-7.5N	7-7.5	7	8.6	1.6	4.4	I-2A/I-5	-1.7
P-SB-I56	6/5/2007	20070605P-SB-I56V0.0-0.5N	0-0.5	0	7.8	7.8	2620	I-3A/I-4	-1.3
P-SB-I56	6/5/2007	20070605P-SB-I56V2.0-2.5N	2-2.5	2	7.8	5.8	1220	I-3A/I-4	-1.3
P-SB-I56	6/5/2007	20070605P-SB-I56V3.0-3.5N	3-3.5	3	7.8	4.8	42000	I-3A/I-4	-1.3
P-SB-I56	6/5/2007	20070605P-SB-I56V5.0-5.5N	5-5.5	5	7.8	2.8	2350	I-3A/I-4	-1.3
P-SB-I56	6/5/2007	20070605P-SB-I56V6.0-6.5N	6-6.5	6	7.8	1.8	143	I-3A/I-4	-1.3
P-SB-I56	6/5/2007	20070605P-SB-I56V7.0-7.5N	7-7.5	7	7.8	0.8	26.9	I-3A/I-4	-1.3
P-SB-I57	6/5/2007	20070605P-SB-I57V0.0-0.5N	0-0.5	0	6	6.0	10400	I-3A/I-8A/I-9	-1.6
P-SB-I57	6/5/2007	20070605P-SB-I57V2.0-2.5N	2-2.5	2	6	4.0	3620	I-3A/I-8A/I-9	-1.6
P-SB-I57	6/5/2007	20070605P-SB-I57V3.0-3.5N	3-3.5	3	6	3.0	11.2	I-3A/I-8A/I-9	-1.6
P-SB-I57	6/5/2007	20070605P-SB-I57V5.0-5.5N	5-5.5	5	6	1.0	134	I-3A/I-8A/I-9	-1.6
P-SB-I57	6/5/2007	20070605P-SB-I57V6.0-6.5N	6-6.5	6	6	0.0	56.1	I-3A/I-8A/I-9	-1.6
P-SB-I58	6/11/2007	20070611P-SB-I58V0.0-0.5N	0-0.5	0	8	8.0	189	I-23A	0.9
P-SB-I58	6/11/2007	20070611P-SB-I58V2.0-2.5N	2-2.5	2	8	6.0	29.1	I-23A	0.9
P-SB-I58	6/11/2007	20070611P-SB-I58V3.0-3.5N	3-3.5	3	8	5.0	0.42 U	I-23A	0.9
P-SB-I58	6/11/2007	20070611P-SB-I58V5.0-5.5N	5-5.5	5	8	3.0	25.4	I-23A	0.9
P-SB-I59	6/6/2007	20070606P-SB-I59V0.0-0.5N	0-0.5	0	5.89	5.9	1720	I-3A	-1.3
P-SB-I59	6/6/2007	20070606P-SB-I59V3.0-3.5N	3-3.5	3	5.89	2.9	197 R	I-3A	-1.3
P-SB-I59	6/6/2007	20070606P-SB-I59V5.0-5.5N	5-5.5	5	5.89	0.9	570 R	I-3A	-1.3
P-SB-I59	6/6/2007	20070606P-SB-I59V6.0-6.5N	6-6.5	6	5.89	-0.1	2020 R	I-3A	-1.3
P-SB-I59	6/6/2007	20070606P-SB-I59V7.0-7.5N	7-7.5	7	5.89	-1.1	32.4	I-3A	-1.3
P-SB-I6	3/14/2007	20070314P-SB-I6V0.0-0.5N	0-0.5	0	8.6	8.6	919	I-20/I-21	-0.3
P-SB-I6	3/14/2007	20070314P-SB-I6V2.0-2.5N	2-2.5	2	8.6	6.6	213	I-20/I-21	-0.3
P-SB-I6	3/14/2007	20070314P-SB-I6V4.0-4.5N	4-4.5	4	8.6	4.6	875	I-20/I-21	-0.3
P-SB-I6	4/3/2007	20070403P-SB-I6V6.0-6.5N	6-6.5	6	8.6	2.6	759	I-20/I-21	-0.3
P-SB-I6	4/3/2007	20070403P-SB-I6V8.0-8.5N	8-8.5	8	8.6	0.6	58.6 J	I-20/I-21	-0.3
P-SB-I60	6/6/2007	20070606P-SB-I60V0.0-0.5N	0-0.5	0	7.85	7.9	409	I-2A	0.9
P-SB-I60	6/6/2007	20070606P-SB-I60V2.0-2.5FD	2-2.5	2	7.85	5.9	67.2	I-2A	0.9
P-SB-I60	6/6/2007	20070606P-SB-I60V2.0-2.5N	2-2.5	2	7.85	5.9	64.4	I-2A	0.9
P-SB-I60	6/6/2007	20070606P-SB-I60V4.0-4.5N	4-4.5	4	7.85	3.9	3630	I-2A	0.9
P-SB-I60	6/6/2007	20070606P-SB-I60V6.0-6.5N	6-6.5	6	7.85	1.9	0.75 R	I-2A	0.9
P-SB-I60	6/6/2007	20070606P-SB-I60V7.0-7.5N	7-7.5	7	7.85	0.9	0.21	I-2A	0.9
P-SB-I61	6/6/2007	20070606P-SB-I61V0.0-0.5N	0-0.5	0	7.9	7.9	386	I-1A	1.1

Table 3-12 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area I
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-I61	6/6/2007	20070606P-SB-I61V2.0-2.5N	2-2.5	2	7.9	5.9	191	I-1A	1.1
P-SB-I61	6/6/2007	20070606P-SB-I61V3.0-3.5N	3-3.5	3	7.9	4.9	28.2	I-1A	1.1
P-SB-I61	6/6/2007	20070606P-SB-I61V5.0-5.5N	5-5.5	5	7.9	2.9	92.6 R	I-1A	1.1
P-SB-I61	6/6/2007	20070606P-SB-I61V6.0-6.5N	6-6.5	6	7.9	1.9	4.5	I-1A	1.1
P-SB-I63	6/7/2007	20070607P-SB-I63V0.0-0.5N	0-0.5	0	9	9.0	774 J	I-24/I-25/I-27/I-28	4.6
P-SB-I63	6/7/2007	20070607P-SB-I63V2.0-2.5N	2-2.5	2	9	7.0	155 J	I-24/I-25/I-27/I-28	4.6
P-SB-I63	6/7/2007	20070607P-SB-I63V5.0-5.5N	5-5.5	5	9	4.0	189 J	I-24/I-25/I-27/I-28	4.6
P-SB-I63	6/7/2007	20070607P-SB-I63V6.0-6.5N	6-6.5	6	9	3.0	4.5 J	I-24/I-25/I-27/I-28	4.6
P-SB-I64	6/7/2007	20070607P-SB-I64V0.0-0.5N	0-0.5	0	11.8	11.8	170 J	I-6/I-24/I-25/I-31	2.3
P-SB-I64	6/7/2007	20070607P-SB-I64V1.0-1.5N	1-1.5	1	11.8	10.8	317 J	I-6/I-24/I-25/I-31	2.3
P-SB-I64	6/7/2007	20070607P-SB-I64V2.0-2.5N	2-2.5	2	11.8	9.8	50.8 J	I-6/I-24/I-25/I-31	2.3
P-SB-I64	6/7/2007	20070607P-SB-I64V5.0-5.5N	5-5.5	5	11.8	6.8	252 J	I-6/I-24/I-25/I-31	2.3
P-SB-I64	6/7/2007	20070607P-SB-I64V6.0-6.5N	6-6.5	6	11.8	5.8	215 J	I-6/I-24/I-25/I-31	2.3
P-SB-I65	6/7/2007	20070607P-SB-I65V0.0-0.5N	0-0.5	0	10.5	10.5	20.8 J	I-6/I-7/I-31/I-32	2.3
P-SB-I65	6/7/2007	20070607P-SB-I65V1.0-1.5N	1-1.5	1	10.5	9.5	708 J	I-6/I-7/I-31/I-32	2.3
P-SB-I65	6/7/2007	20070607P-SB-I65V2.0-2.5N	2-2.5	2	10.5	8.5	5.8 J	I-6/I-7/I-31/I-32	2.3
P-SB-I65	6/7/2007	20070607P-SB-I65V5.0-5.5N	5-5.5	5	10.5	5.5	106 J	I-6/I-7/I-31/I-32	2.3
P-SB-I66	6/7/2007	20070607P-SB-I66V0.0-0.5N	0-0.5	0	6.7	6.7	434 J	I-7/I-30/I-33	3
P-SB-I66	6/7/2007	20070607P-SB-I66V2.0-2.5N	2-2.5	2	6.7	4.7	16.8 J	I-7/I-30/I-33	3
P-SB-I66	6/7/2007	20070607P-SB-I66V5.0-5.5N	5-5.5	5	6.7	1.7	3.2 J	I-7/I-30/I-33	3
P-SB-I67	6/7/2007	20070607P-SB-I67V0.0-0.5FD	0-0.5	0	6.56	6.6	250 J	I-2A	0.9
P-SB-I67	6/7/2007	20070607P-SB-I67V0.0-0.5N	0-0.5	0	6.56	6.6	158 J	I-2A	0.9
P-SB-I67	6/7/2007	20070607P-SB-I67V1.0-1.5N	1-1.5	1	6.56	5.6	21600	I-2A	0.9
P-SB-I67	6/7/2007	20070607P-SB-I67V2.0-2.5N	2-2.5	2	6.56	4.6	15100	I-2A	0.9
P-SB-I67	6/7/2007	20070607P-SB-I67V5.0-5.5N	5-5.5	5	6.56	1.6	490	I-2A	0.9
P-SB-I67	6/7/2007	20070607P-SB-I67V6.0-6.5N	6-6.5	6	6.56	0.6	207	I-2A	0.9
P-SB-I67	6/7/2007	20070607P-SB-I67V7.0-7.5N	7-7.5	7	6.56	-0.4	6.4	I-2A	0.9
P-SB-I68	6/11/2007	20070611P-SB-I68V0.0-0.5FD	0-0.5	0	7.5	7.5	192	I-1A/I-2A	0.9
P-SB-I68	6/11/2007	20070611P-SB-I68V0.0-0.5N	0-0.5	0	7.5	7.5	179	I-1A/I-2A	0.9
P-SB-I68	6/11/2007	20070611P-SB-I68V2.0-2.5N	2-2.5	2	7.5	5.5	96.9	I-1A/I-2A	0.9
P-SB-I68	6/11/2007	20070611P-SB-I68V3.0-3.5N	3-3.5	3	7.5	4.5	132	I-1A/I-2A	0.9
P-SB-I68	6/11/2007	20070611P-SB-I68V5.0-5.5N	5-5.5	5	7.5	2.5	95.8	I-1A/I-2A	0.9
P-SB-I69	6/8/2007	20070608P-SB-I69V0.0-0.5N	0-0.5	0	6.2	6.2	57 J	I-1A/I-2A	0.9
P-SB-I69	6/8/2007	20070608P-SB-I69V1.0-1.5N	1-1.5	1	6.2	5.2	1300 J	I-1A/I-2A	0.9
P-SB-I69	6/8/2007	20070608P-SB-I69V3.0-3.5N	3-3.5	3	6.2	3.2	1580 J	I-1A/I-2A	0.9
P-SB-I69	6/8/2007	20070608P-SB-I69V5.0-5.5N	5-5.5	5	6.2	1.2	101 J	I-1A/I-2A	0.9
P-SB-I69	6/8/2007	20070608P-SB-I69V6.0-6.5N	6-6.5	6	6.2	0.2	1	I-1A/I-2A	0.9
P-SB-I7	3/14/2007	20070314P-SB-I7V0.0-0.5N	0-0.5	0	7.9	7.9	1190	I-18/I-20/I-21/I-29	-0.3
P-SB-I7	3/14/2007	20070314P-SB-I7V2.0-2.5N	2-2.5	2	7.9	5.9	241	I-18/I-20/I-21/I-29	-0.3
P-SB-I70	6/11/2007	20070611P-SB-I70V0.0-0.5N	0-0.5	0	5.9	5.9	53.8	I-1A	1.1
P-SB-I70	6/11/2007	20070611P-SB-I70V1.0-1.5N	1-1.5	1	5.9	4.9	268	I-1A	1.1
P-SB-I70	6/11/2007	20070611P-SB-I70V3.0-3.5N	3-3.5	3	5.9	2.9	1.6	I-1A	1.1
P-SB-I70	6/11/2007	20070611P-SB-I70V5.0-5.5N	5-5.5	5	5.9	0.9	24.9	I-1A	1.1
P-SB-I71	6/12/2007	20070612P-SB-I71V0.0-0.5N	0-0.5	0	10.3	10.3	887	I-24/I-26/I-27	4.6
P-SB-I71	6/12/2007	20070612P-SB-I71V2.0-2.5N	2-2.5	2	10.3	8.3	6.8	I-24/I-26/I-27	4.6
P-SB-I71	6/12/2007	20070612P-SB-I71V5.0-5.5N	5-5.5	5	10.3	5.3	19.2	I-24/I-26/I-27	4.6
P-SB-I72	6/11/2007	20070611P-SB-I72V0.0-0.5N	0-0.5	0	10.4	10.4	756	I-24/I-25	4.6
P-SB-I72	6/11/2007	20070611P-SB-I72V1.0-1.5N	1-1.5	1	10.4	9.4	587	I-24/I-25	4.6
P-SB-I72	6/11/2007	20070611P-SB-I72V2.0-2.5N	2-2.5	2	10.4	8.4	39.3	I-24/I-25	4.6
P-SB-I72	6/11/2007	20070611P-SB-I72V5.0-5.5N	5-5.5	5	10.4	5.4	81.1	I-24/I-25	4.6

Table 3-12 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area I
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-I73	6/12/2007	20070612P-SB-I73V0.0-0.5N	0-0.5	0	12	12.0	412	I-24/I-31/I-32	4.6
P-SB-I73	6/12/2007	20070612P-SB-I73V2.0-2.5N	2-2.5	2	12	10.0	1240	I-24/I-31/I-32	4.6
P-SB-I73	6/12/2007	20070612P-SB-I73V5.0-5.5N	5-5.5	5	12	7.0	269	I-24/I-31/I-32	4.6
P-SB-I73	6/12/2007	20070612P-SB-I73V6.0-6.5N	6-6.5	6	12	6.0	5.1	I-24/I-31/I-32	4.6
P-SB-I73	6/12/2007	20070612P-SB-I73V7.0-7.5N	7-7.5	7	12	5.0	1.5	I-24/I-31/I-32	4.6
P-SB-I74	6/11/2007	20070611P-SB-I74V0.0-0.5N	0-0.5	0	8.8	8.8	5240	I-7/I-32/I-33	3
P-SB-I74	6/11/2007	20070611P-SB-I74V1.0-1.5N	1-1.5	1	8.8	7.8	510	I-7/I-32/I-33	3
P-SB-I74	6/11/2007	20070611P-SB-I74V3.0-3.5N	3-3.5	3	8.8	5.8	4.6	I-7/I-32/I-33	3
P-SB-I74	6/11/2007	20070611P-SB-I74V5.0-5.5N	5-5.5	5	8.8	3.8	24.2	I-7/I-32/I-33	3
P-SB-I75	6/12/2007	20070612P-SB-I75V0.0-0.5N	0-0.5	0	8.9	8.9	392	I-26/I-27	6.9
P-SB-I75	6/12/2007	20070612P-SB-I75V2.0-2.5N	2-2.5	2	8.9	6.9	2.9	I-26/I-27	6.9
P-SB-I75	6/12/2007	20070612P-SB-I75V5.0-5.5N	5-5.5	5	8.9	3.9	67	I-26/I-27	6.9
P-SB-I76	6/13/2007	20070613P-SB-I76V0.0-0.5N	0-0.5	0	6.8	6.8	136 J	I-24/I-26	4.6
P-SB-I76	6/13/2007	20070613P-SB-I76V2.0-2.5N	2-2.5	2	6.8	4.8	4.3 J	I-24/I-26	4.6
P-SB-I76	6/13/2007	20070613P-SB-I76V3.0-3.5N	3-3.5	3	6.8	3.8	53.3 J	I-24/I-26	4.6
P-SB-I76	6/13/2007	20070613P-SB-I76V5.0-5.5N	5-5.5	5	6.8	1.8	0.39 J	I-24/I-26	4.6
P-SB-I77	6/12/2007	20070612P-SB-I77V0.0-0.5N	0-0.5	0	10.79	10.8	1040	I-24	4.6
P-SB-I77	6/12/2007	20070612P-SB-I77V2.0-2.5N	2-2.5	2	10.79	8.8	4.5	I-24	4.6
P-SB-I77	6/12/2007	20070612P-SB-I77V5.0-5.5N	5-5.5	5	10.79	5.8	852	I-24	4.6
P-SB-I77	6/12/2007	20070612P-SB-I77V6.0-6.5N	6-6.5	6	10.79	4.8	2.1	I-24	4.6
P-SB-I77	6/12/2007	20070612P-SB-I77V7.0-7.5N	7-7.5	7	10.79	3.8	3.2	I-24	4.6
P-SB-I78	6/12/2007	20070612P-SB-I78V0.0-0.5N	0-0.5	0	10.5	10.5	1020	I-24	4.6
P-SB-I78	6/12/2007	20070612P-SB-I78V2.0-2.5FD	2-2.5	2	10.5	8.5	757	I-24	4.6
P-SB-I78	6/12/2007	20070612P-SB-I78V2.0-2.5N	2-2.5	2	10.5	8.5	800	I-24	4.6
P-SB-I78	6/12/2007	20070612P-SB-I78V5.0-5.5N	5-5.5	5	10.5	5.5	146	I-24	4.6
P-SB-I78	6/12/2007	20070612P-SB-I78V6.0-6.5N	6-6.5	6	10.5	4.5	3.1	I-24	4.6
P-SB-I79	6/13/2007	20070613P-SB-I79V0.0-0.5N	0-0.5	0	8.8	8.8	2000 J	I-32	6.8
P-SB-I79	6/13/2007	20070613P-SB-I79V1.0-1.5N	1-1.5	1	8.8	7.8	245 J	I-32	6.8
P-SB-I79	6/13/2007	20070613P-SB-I79V2.0-2.5N	2-2.5	2	8.8	6.8	2 J	I-32	6.8
P-SB-I79	6/13/2007	20070613P-SB-I79V5.0-5.5N	5-5.5	5	8.8	3.8	13.4 J	I-32	6.8
P-SB-I8	3/14/2007	20070314P-SB-I8V0.0-0.5N	0-0.5	0	7.9	7.9	219	I-18/I-129	3.3
P-SB-I8	3/14/2007	20070314P-SB-I8V2.0-2.5N	2-2.5	2	7.9	5.9	589	I-18/I-129	3.3
P-SB-I80	6/12/2007	20070612P-SB-I80V0.0-0.5N	0-0.5	0	7.8	7.8	32.7	I-33	7.7
P-SB-I80	6/12/2007	20070612P-SB-I80V2.0-2.5N	2-2.5	2	7.8	5.8	2.3	I-33	7.7
P-SB-I80	6/12/2007	20070612P-SB-I80V5.0-5.5N	5-5.5	5	7.8	2.8	5	I-33	7.7
P-SB-I81	6/13/2007	20070613P-SB-I81V0.0-0.5N	0-0.5	0	6.9	6.9	197 J	I-24	4.6
P-SB-I81	6/13/2007	20070613P-SB-I81V2.0-2.5N	2-2.5	2	6.9	4.9	2.8 J	I-24	4.6
P-SB-I81	6/13/2007	20070613P-SB-I81V5.0-5.5N	5-5.5	5	6.9	1.9	0.11 J	I-24	4.6
P-SB-I81	6/13/2007	20070613P-SB-I81V6.0-6.5N	6-6.5	6	6.9	0.9	0.078	I-24	4.6
P-SB-I82	6/13/2007	20070613P-SB-I82V0.0-0.5N	0-0.5	0	8.25	8.3	1120 J	I-24	4.6
P-SB-I82	6/13/2007	20070613P-SB-I82V2.0-2.5N	2-2.5	2	8.25	6.3	26.9 J	I-24	4.6
P-SB-I82	6/13/2007	20070613P-SB-I82V5.0-5.5N	5-5.5	5	8.25	3.3	290 J	I-24	4.6
P-SB-I82	6/13/2007	20070613P-SB-I82V6.0-6.5N	6-6.5	6	8.25	2.3	44.7 J	I-24	4.6
P-SB-I83	6/13/2007	20070613P-SB-I83V0.0-0.5FD	0-0.5	0	9.8	9.8	2060 J	I-24/I-33/I-34	4.6
P-SB-I83	6/13/2007	20070613P-SB-I83V0.0-0.5N	0-0.5	0	9.8	9.8	2300 J	I-24/I-33/I-34	4.6
P-SB-I83	6/13/2007	20070613P-SB-I83V1.0-1.5N	1-1.5	1	9.8	8.8	2030 J	I-24/I-33/I-34	4.6
P-SB-I83	6/13/2007	20070613P-SB-I83V2.0-2.5N	2-2.5	2	9.8	7.8	24.9 J	I-24/I-33/I-34	4.6
P-SB-I83	6/13/2007	20070613P-SB-I83V5.0-5.5N	5-5.5	5	9.8	4.8	273 J	I-24/I-33/I-34	4.6
P-SB-I84	6/14/2007	20070614P-SB-I84V0.0-0.5N	0-0.5	0	7.8	7.8	22.3	I-33	7.7
P-SB-I84	6/14/2007	20070614P-SB-I84V1.0-1.5N	1-1.5	1	7.8	6.8	531	I-33	7.7

Table 3-12 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area I
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-I84	6/14/2007	20070614P-SB-I84V2.0-2.5N	2-2.5	2	7.8	5.8	18.3 J	I-33	7.7
P-SB-I84	6/14/2007	20070614P-SB-I84V5.0-5.5N	5-5.5	5	7.8	2.8	2.5	I-33	7.7
P-SB-I84	6/14/2007	20070614P-SB-I84V6.0-6.5N	6-6.5	6	7.8	1.8	0.79	I-33	7.7
P-SB-I85	6/14/2007	20070614P-SB-I85V0.0-0.5N	0-0.5	0	8.4	8.4	95.3	I-33/I-34	5.4
P-SB-I85	6/14/2007	20070614P-SB-I85V2.0-2.5N	2-2.5	2	8.4	6.4	24.8	I-33/I-34	5.4
P-SB-I85	6/14/2007	20070614P-SB-I85V5.0-5.5N	5-5.5	5	8.4	3.4	6.6	I-33/I-34	5.4
P-SB-I85	6/14/2007	20070614P-SB-I85V6.0-6.5N	6-6.5	6	8.4	2.4	0.13 J	I-33/I-34	5.4
P-SB-I86	6/14/2007	20070614P-SB-I86V0.0-0.5N	0-0.5	0	8.4	8.4	5370	I-24/I-34	4.6
P-SB-I86	6/14/2007	20070614P-SB-I86V2.0-2.5N	2-2.5	2	8.4	6.4	11.7	I-24/I-34	4.6
P-SB-I86	6/14/2007	20070614P-SB-I86V5.0-5.5N	5-5.5	5	8.4	3.4	34.7	I-24/I-34	4.6
P-SB-I86	6/14/2007	20070614P-SB-I86V6.0-6.5N	6-6.5	6	8.4	2.4	1.7	I-24/I-34	4.6
P-SB-I87	6/14/2007	20070614P-SB-I87V0.0-0.5FD	0-0.5	0	7.33	7.3	1080	I-24	4.6
P-SB-I87	6/14/2007	20070614P-SB-I87V0.0-0.5N	0-0.5	0	7.33	7.3	1030	I-24	4.6
P-SB-I87	6/14/2007	20070614P-SB-I87V2.0-2.5N	2-2.5	2	7.33	5.3	13.3 J	I-24	4.6
P-SB-I87	6/14/2007	20070614P-SB-I87V5.0-5.5N	5-5.5	5	7.33	2.3	65.8	I-24	4.6
P-SB-I87	6/14/2007	20070614P-SB-I87V6.0-6.5N	6-6.5	6	7.33	1.3	2.7	I-24	4.6
P-SB-I88	6/14/2007	20070614P-SB-I88V0.0-0.5N	0-0.5	0	9.5	9.5	98.2	I-30	5.9
P-SB-I88	6/14/2007	20070614P-SB-I88V1.0-1.5N	1-1.5	1	9.5	8.5	74.6	I-30	5.9
P-SB-I88	6/14/2007	20070614P-SB-I88V5.0-5.5N	5-5.5	5	9.5	4.5	12	I-30	5.9
P-SB-I88	6/14/2007	20070614P-SB-I88V6.0-6.5N	6-6.5	6	9.5	3.5	23 J	I-30	5.9
P-SB-I89	6/15/2007	20070615P-SB-I89V0.0-0.5FD	0-0.5	0	6.2	6.2	53.3 J	I-24	4.6
P-SB-I89	6/15/2007	20070615P-SB-I89V0.0-0.5N	0-0.5	0	6.2	6.2	50.9 J	I-24	4.6
P-SB-I89	6/15/2007	20070615P-SB-I89V2.0-2.5N	2-2.5	2	6.2	4.2	0.52 J	I-24	4.6
P-SB-I89	6/15/2007	20070615P-SB-I89V5.0-5.5N	5-5.5	5	6.2	1.2	0.11 R	I-24	4.6
P-SB-I9	4/2/2007	20070402P-SB-I9V0.0-0.5N	0-0.5	0	7	7.0	3550	I-10/I-12/I-20	-2.0
P-SB-I9	4/2/2007	20070402P-SB-I9V2.0-2.5N	2-2.5	2	7	5.0	922	I-10/I-12/I-20	-2.0
P-SB-I9	4/2/2007	20070402P-SB-I9V6.0-6.5N	6-6.5	6	7	1.0	21.9	I-10/I-12/I-20	-2.0
P-SB-I9	4/2/2007	20070402P-SB-I9V8.0-8.5N	8-8.5	8	7	-1.0	5.3	I-10/I-12/I-20	-2.0
P-SB-I90	6/15/2007	20070615P-SB-I90V0.0-0.5N	0-0.5	0	7.43	7.4	9620 J	I-24	4.6
P-SB-I90	6/15/2007	20070615P-SB-I90V1.0-1.5N	1-1.5	1	7.43	6.4	914 J	I-24	4.6
P-SB-I90	6/15/2007	20070615P-SB-I90V2.0-2.5N	2-2.5	2	7.43	5.4	5.2 J	I-24	4.6
P-SB-I90	6/15/2007	20070615P-SB-I90V5.0-5.5N	5-5.5	5	7.43	2.4	31.3 J	I-24	4.6
P-SB-I90	6/15/2007	20070615P-SB-I90V6.0-6.5N	6-6.5	6	7.43	1.4	0.74 R	I-24	4.6
P-SB-I91	6/15/2007	20070615P-SB-I91V0.0-0.5N	0-0.5	0	7.9	7.9	652 J	I-24/I-34	4.6
P-SB-I91	6/15/2007	20070615P-SB-I91V2.0-2.5N	2-2.5	2	7.9	5.9	0.48 J	I-24/I-34	4.6
P-SB-I91	6/15/2007	20070615P-SB-I91V5.0-5.5N	5-5.5	5	7.9	2.9	25.7 J	I-24/I-34	4.6
P-SB-I91	6/15/2007	20070615P-SB-I91V6.0-6.5N	6-6.5	6	7.9	1.9	0.26 R	I-24/I-34	4.6
P-SB-I93	6/18/2007	20070618P-SB-I93V0.0-0.5N	0-0.5	0	7	7.0	34.5	I-34	5.4
P-SB-I93	6/18/2007	20070618P-SB-I93V2.0-2.5N	2-2.5	2	7	5.0	0.89	I-34	5.4
P-SB-I93	6/18/2007	20070618P-SB-I93V5.0-5.5N	5-5.5	5	7	2.0	0.39	I-34	5.4
P-SB-I93	6/18/2007	20070618P-SB-I93V6.0-6.5N	6-6.5	6	7	1.0	0.18	I-34	5.4
P-SB-I94	6/18/2007	20070618P-SB-I94V0.0-0.5N	0-0.5	0	6.7	6.7	46.8	I-24/I-34	4.6
P-SB-I94	6/18/2007	20070618P-SB-I94V2.0-2.5N	2-2.5	2	6.7	4.7	8.8	I-24/I-34	4.6
P-SB-I94	6/18/2007	20070618P-SB-I94V5.0-5.5N	5-5.5	5	6.7	1.7	0.082	I-24/I-34	4.6
P-SB-I94	6/18/2007	20070618P-SB-I94V6.0-6.5N	6-6.5	6	6.7	0.7	0.29	I-24/I-34	4.6
P-SB-I95	6/18/2007	20070618P-SB-I95V0.0-0.5FD	0-0.5	0	7.1	7.1	27.5	I-24	4.6
P-SB-I95	6/18/2007	20070618P-SB-I95V0.0-0.5N	0-0.5	0	7.1	7.1	29.3	I-24	4.6
P-SB-I95	6/18/2007	20070618P-SB-I95V2.0-2.5N	2-2.5	2	7.1	5.1	21	I-24	4.6
P-SB-I95	6/18/2007	20070618P-SB-I95V5.0-5.5N	5-5.5	5	7.1	2.1	0.35	I-24	4.6
P-SB-I95	6/18/2007	20070618P-SB-I95V6.0-6.5N	6-6.5	6	7.1	1.1	0.057	I-24	4.6

Table 3-12 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area I
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Excavation Subarea(s)	Bottom of Excavation Elevation (ft.)[1]
P-SB-I96	7/11/2007	20070711P-SB-I96V6.0-6.5N	6-6.5	6	6	0.0	27.3	I-3A	-1.3
P-SB-I96	7/11/2007	20070711P-SB-I96V7.0-7.5N	7-7.5	7	6	-1.0	5.7	I-3A	-1.3
P-SB-I98	7/11/2007	20070711P-SB-I98V6.0-6.5N	6-6.5	6	6.3	0.3	6.6	I-2A/I-3A	-1.3
P-SB-I98	7/11/2007	20070711P-SB-I98V7.0-7.5N	7-7.5	7	6.3	-0.7	2.3	I-2A/I-3A	-1.3
P-SB-I99	7/11/2007	20070711P-SB-I99V6.0-6.5N	6-6.5	6	6.7	0.7	0.35	I-3A	-1.3
P-SB-I99	7/11/2007	20070711P-SB-I99V7.0-7.5N	7-7.5	7	6.7	-0.3	1.5	I-3A	-1.3

[1]Where sample point is shared by multiple excavation subareas, the depth of the sample > 620 mg/kg mercury was always taken to the lowest excavation elevation as defined in the construction drawings.

Indicates a result greater than 620 mg/kg

Table 3-13 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area RR
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Bottom of Excavation Elevation (ft.)
P-RRSB-1	9/1/2010	20100901P-RRSB-1V1.0-1.5N	1.0-1.5	1	6.8	5.8	116	3.2
P-RRSB-1	9/1/2010	20100901P-RRSB-1V2.0-2.5N	2.0-2.5	2	6.8	4.8	ND	3.2
P-RRSB-1	9/1/2010	20100901P-RRSB-1V3.0-4.0N	3.0-4.0	3	6.8	3.8	16	3.2
P-RRSB-1	9/1/2010	20100901P-RRSB-1V4.0-5.0N	4.0-5.0	4	6.8	2.8	ND	3.2
P-RRSB-1	9/1/2010	20100901P-RRSB-1V5.5-6.0N	5.5-6.0	5.5	6.8	1.3	ND	3.2
P-RRSB-2	9/1/2010	20100901P-RRSB-2V1.0-1.5N	1.0-1.5	1	6.5	5.5	1122	3.2
P-RRSB-2	9/1/2010	20100901P-RRSB-2V2.0-3.0N	2.0-3.0	2	6.5	4.5	2998	3.2
P-RRSB-2	9/1/2010	20100901P-RRSB-2V3.0-4.0N	3.0-4.0	3	6.5	3.5	288	3.2
P-RRSB-2	9/1/2010	20100901P-RRSB-2V4.0-5.0N	4.0-5.0	4	6.5	2.5	20	3.2
P-RRSB-2	9/1/2010	20100901P-RRSB-2V5.5-6.0N	5.5-6.0	5.5	6.5	1.0	454	3.2
P-RRSB-3	9/1/2010	20100901P-RRSB-3V1.0-1.5N	1.0-1.5	1	6.3	5.3	1181	2.3
P-RRSB-3	9/1/2010	20100901P-RRSB-3V2.0-3.0N	2.0-3.0	2	6.3	4.3	170	2.3
P-RRSB-3	9/1/2010	20100901P-RRSB-3V3.0-4.0N	3.0-4.0	3	6.3	3.3	118	2.3
P-RRSB-3	9/1/2010	20100901P-RRSB-3V4.0-5.0N	4.0-5.0	4	6.3	2.3	135	2.3
P-RRSB-3	9/1/2010	20100901P-RRSB-3V5.5-6.0N	5.5-6.0	5.5	6.3	0.8	282	2.3
P-RRSB-4	9/1/2010	20100901P-RRSB-4V1.0-1.5N	1.0-1.5	1	6.6	5.6	728	2.3
P-RRSB-4	9/1/2010	20100901P-RRSB-4V2.0-3.0N	2.0-3.0	2	6.6	4.6	1084	2.3
P-RRSB-4	9/1/2010	20100901P-RRSB-4V3.0-4.0N	3.0-4.0	3	6.6	3.6	761	2.3
P-RRSB-4	9/1/2010	20100901P-RRSB-4V4.0-5.0N	4.0-5.0	4	6.6	2.6	20	2.3
P-RRSB-4	9/1/2010	20100901P-RRSB-4V5.5-6.0N	5.5-6.0	5.5	6.6	1.1	39	2.3
P-RRSB-5	9/1/2010	20100901P-RRSB-5V1.0-1.5N	1.0-1.5	1	6.7	5.7	147	2.3
P-RRSB-5	9/1/2010	20100901P-RRSB-5V2.0-3.0N	2.0-3.0	2	6.7	4.7	ND	2.3
P-RRSB-5	9/1/2010	20100901P-RRSB-5V3.0-4.0N	3.0-4.0	3	6.7	3.7	17	2.3
P-RRSB-5	9/1/2010	20100901P-RRSB-5V4.0-5.0N	4.0-5.0	4	6.7	2.7	20	2.3
P-RRSB-5	9/1/2010	20100901P-RRSB-5V5.5-6.0N	5.5-6.0	5.5	6.7	1.2	39	2.3
P-RRSB-6	9/1/2010	20100901P-RRSB-6V1.0-1.5N	1.0-1.5	1	6.5	5.5	159	4.3
P-RRSB-6	9/1/2010	20100901P-RRSB-6V2.0-3.0N	2.0-3.0	2	6.5	4.5	ND	4.3
P-RRSB-6	9/1/2010	20100901P-RRSB-6V3.0-4.0N	3.0-4.0	3	6.5	3.5	26	4.3
P-RRSB-6	9/1/2010	20100901P-RRSB-6V4.0-5.0N	4.0-5.0	4	6.5	2.5	ND	4.3
P-RRSB-6	9/1/2010	20100901P-RRSB-6V5.5-6.0N	5.5-6.0	5.5	6.5	1.0	ND	4.3
P-RRSB-7	9/1/2010	20100901P-RRSB-7V1.0-1.5N	1.0-1.5	1	6.4	5.4	363	4.3
P-RRSB-7	9/1/2010	20100901P-RRSB-7V2.0-3.0N	2.0-3.0	2	6.4	4.4	54	4.3
P-RRSB-7	9/1/2010	20100901P-RRSB-7V3.0-4.0N	3.0-4.0	3	6.4	3.4	ND	4.3
P-RRSB-7	9/1/2010	20100901P-RRSB-7V4.0-5.0N	4.0-5.0	4	6.4	2.4	ND	4.3
P-RRSB-7	9/1/2010	20100901P-RRSB-7V5.5-6.0N	5.5-6.0	5.5	6.4	0.9	15	4.3
P-RRSB-8	9/2/2010	20100901P-RRSB-8V1.0-1.5N	1.0-1.5	1	6.7	5.7	2161	2.3
P-RRSB-8	9/2/2010	20100902P-RRSB-8V2.0-3.0N	2.0-3.0	2	6.7	4.7	1577	2.3
P-RRSB-8	9/2/2010	20100902P-RRSB-8V3.0-4.0N	3.0-4.0	3	6.7	3.7	ND	2.3
P-RRSB-8	9/2/2010	20100902P-RRSB-8V4.0-5.0N	4.0-5.0	4	6.7	2.7	ND	2.3
P-RRSB-8	9/2/2010	20100901P-RRSB-8V5.5-6.0N	5.5-6.0	5.5	6.7	1.2	-	2.3
P-RRSB-9	9/2/2010	20100902P-RRSB-9V1.0-1.5N	1.0-1.5	1	6.6	5.6	832	4.7
P-RRSB-9	9/2/2010	20100902P-RRSB-9V2.0-3.0N	2.0-3.0	2	6.6	4.6	2339	4.7
P-RRSB-9	9/2/2010	20100902P-RRSB-9V3.0-4.0N	3.0-4.0	3	6.6	3.6	93	4.7
P-RRSB-9	9/2/2010	20100902P-RRSB-9V4.0-5.0N	4.0-5.0	4	6.6	2.6	ND	4.7
P-RRSB-9	9/2/2010	20100902P-RRSB-9V5.5-6.0N	5.5-6.0	5.5	6.6	1.1	91	4.7
P-RRSB-10	9/2/2010	20100902P-RRSB-10V0.0-0.5N	0-0.5	0	7.6	7.6	285.5	4.7
P-RRSB-10	9/2/2010	20100902P-RRSB-10V1.0-2.0N	1.0-2.0	1	7.6	6.6	39	4.7
P-RRSB-10	9/2/2010	20100902P-RRSB-10V2.0-3.0N	2.0-3.0	2	7.6	5.6	ND	4.7
P-RRSB-10	9/2/2010	20100902P-RRSB-10V3.0-4.0N	3.0-4.0	3	7.6	4.6	ND	4.7
P-RRSB-10	9/2/2010	20100902P-RRSB-10V4.0-5.0N	4.0-5.0	4	7.6	3.6	ND	4.7
P-RRSB-10	9/2/2010	20100902P-RRSB-10V5.5-6.0N	5.5-6.0	5.5	7.6	2.1	ND	4.7
P-RRSB-11	9/2/2010	20100902P-RRSB-11V0.0-0.5N	0-0.5	0	7.0	7.0	326	4.7

Table 3-13 "Pre" Post-Remediation Mercury Sampling and Excavation Summary
Area RR
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Boring ID	Sample Date	Sample ID	Sample Depth (ft)	Depth (ft.)	Elevation (ft.)	Top of Sample Elevation (ft.)	Result (mg/kg)	Bottom of Excavation Elevation (ft.)
P-RRSB-11	9/2/2010	20100902P-RRSB-11V1.0-2.0N	1.0-2.0	1	7.0	6.0	ND	4.7
P-RRSB-11	9/2/2010	20100902P-RRSB-11V2.0-3.0N	2.0-3.0	2	7.0	5.0	20	4.7
P-RRSB-11	9/2/2010	20100902P-RRSB-11V3.0-4.0N	3.0-4.0	3	7.0	4.0	27	4.7
P-RRSB-11	9/2/2010	20100902P-RRSB-11V4.0-5.0N	4.0-5.0	4	7.0	3.0	36	4.7
P-RRSB-11	9/2/2010	20100902P-RRSB-11V5.5-6.0N	5.5-6.0	5.5	7.0	1.5	108	4.7
P-RRSB-12	9/2/2010	20100902P-RRSB-12V0.0-0.5N	0-0.5	0	7.0	7.0	84	4.7
P-RRSB-12	9/2/2010	20100902P-RRSB-12V1.0-2.0N	1.0-2.0	1	7.0	6.0	29	4.7
P-RRSB-12	9/2/2010	20100902P-RRSB-12V2.0-3.0N	2.0-3.0	2	7.0	5.0	ND	4.7
P-RRSB-12	9/2/2010	20100902P-RRSB-12V3.0-4.0N	3.0-4.0	3	7.0	4.0	ND	4.7
P-RRSB-12	9/2/2010	20100902P-RRSB-12V4.0-5.0N	4.0-5.0	4	7.0	3.0	ND	4.7
P-RRSB-12	9/2/2010	20100902P-RRSB-12V5.5-6.0N	5.5-6.0	5.5	7.0	1.5	ND	4.7
RR-1_E1	10/2/2010	20101002RR-1_E1V2.0-2.5N	2.0-2.5	2	6.4	4.4	176	4.3
RR-1_W1	10/2/2010	20101002RR-1_W1V2.0-2.5N	2.0-2.5	2	6.4	4.4	151	4.3
RR-1_N1	10/2/2010	20101002RR-1_N1V2.0-2.5N	2.0-2.5	2	6.4	4.4	76	4.3

Indicates a result greater than the N.J.D.E.P.'s NRDCSCC for Mercury in soil (270 mg/kg)

Table 4-1 Undeveloped Area Construction Submittal Log
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

SEVENSON SUBMITTAL NO.	STATUS (OPEN/ CLOSED)	DATE RECEIVED	REVISON NUMBER	SPEC. NO.	SUB SECTION	DESCRIPTION	PARSONS RESPONSE TRANS. NO	DATE OF RESPONSE	REVIEWER (s)	RESPONSE	COMMENTS
						Other					
	Closed	9/1/09				Well abandonement reports	118	9/10/09	A.Bernardi/ R.Swabsin	No comments	
				00130		**Change Orders**					
				01010		**Summary of Work and Measurement and Payment**					
					1.02 (A)	--- Schedule of Values					
					1.04 (B)	--- Training Certifications and Medical Monitoring submittals					
				01039		**Coordination and Meetings**					
	Closed				1.02 (B)	--- Construction Schedule and personnel list					Schedule from proposal being used. Sevenson will submit two-week look ahead
				01050		**Surveying**					
					2.01 (A)	--- Name, address, and qualifications of NJ licensed Surveyor					
1050-01	CLOSED	2/24/09	0		2.01 (A)	KennonSurveying Inc. Qualifications	009	3/13/09	R.Swabsin	No comments	
1050-01	Closed	2/24/09	0		2.01 (A)	KennonSurveying Inc. Resumes for Tappen and Kennon	009	3/13/09	R.Swabsin	Comments as Noted	1.) Need to submit the resume of Tappen
1050-01A	Closed	3/18/09	A		2.01 (A)	KennonSurveying Inc. Resumes for Tappen and Pinheiro	015	3/19/09	A.Bernardi/ R.Swabsin	No comments	
					2.01(L)	--- The location and elevation of drums removed during The Work					Infiltration Basin area
1050-2.01(L.1)-5/28/09	CLOSED	5/28/09	0			KSS-Drum Locations	see response 094				
1050-DRUM 1	CLOSED	7/7/09	0			Drum Location Survey	094	7/10/09	C.Greene/ R.Swabsin/ A.Bernardi	No comments	updated as-built
1050-DRUM 2	CLOSED	7/29/09	0			Drum Location Survey	107	8/6/09	A.Bernardi/ R.Swabsin	No comments	
1050-DRUM 3	CLOSED	8/11/09	0			Drum Location Survey	110	8/12/09	A.Bernardi/ R.Swabsin	No comments	
1050-DRUM 4	CLOSED	9/3/09	0			Drum Location Survey	117	9/10/09	A.Bernardi/ R.Swabsin	Comments as Noted	missing 9/2/09 drums in 55ft Buffer
1050-DRUM 5	CLOSED	10/13/09	0			Drum Location Survey	131	10/20/09	A.Bernardi/ R.Swabsin	No comments	
1050-DRUM 6	CLOSED	12/1/09	0			Drum Location Survey	141	12/1/09	A.Bernardi/ R.Swabsin	No comments	
						--- The excavation limits including the elevations of the excavation botttoms					
1050-Buffer 6-9	Closed	10/27/09	0			Buffer Zone Excavation As-built Drawing Sta. 6+00 through 9+00	138				no formal comments
1050-Buffer 10-19	Closed	10/28/09	0			Buffer Zone Excavation As-built Drawing Sta. 10+00 through 19+00	138				no formal comments
1050-Revised BUFFER 6 thru 19	CLOSED	11/2/09	1			Revised Buffer Zone Excavation As-built Drawing Sta. 6+00 through 19+00	138	11/6/09	A.Bernardi/ R.Swabsin/ C.Strotz/ C.Greene	No Comments	
1050-buffer zone asbuilts 6, 11, 13	Closed	1/6/09	0			55 Ft Buffer As-built Profiles 6+00, 11+00, 13+00	150	1/7/09	A.Bernardi/ R.Swabsin	Revise and Resubmit	
1050-buffer zone asbuilts 6 through 30	Closed	1/12/09	0			55 Ft Buffer As-built Profiles 6+00 through 30+00	153	1/15/09	A.Bernardi/ R.Swabsin	Comments as Noted	
1050-Buffer Zone BOE and FG Contour Plan	Closed	1/14/09	0			55ft Buffer Bottom of Excavation and Final Grade Contour Plans	154	1/15/09	A.Bernardi/ R.Swabsin	Comments as Noted	pdf and CAD
1050-Buffer Zone BOE profiles 19 through 30	Closed	1/13/09	0			55ft Buffer Bottom of Excavation Profiles 19+00 through 30+00	152	1/13/09	A.Bernardi/ R.Swabsin	No comments	
1050-Area I Partial 3	CLOSED	10/12/09	0			As-built Survey and Excavation volumes for I-6, I-7, I-11, I-24, I-30, I-32, I-33, I-34	127	10/15/09	A.Bernardi/ R.Swabsin	Revise and Resubmit	excavation summary table
1050-Area I Partial 2	CLOSED	9/28/09	0			As-built Survey and Excavation volumes for I-5, I-6, I-10, I-11	124	9/29/09	A.Bernardi/ R.Swabsin	Revise and Resubmit	extra eastings. I-20 area off. I-16 and I-17 more screened than excavated
1050-Area I Partial 1	CLOSED	9/28/09	0			As-built Survey and Excavation volumes for I-2A, I-4, I-9, I-12, I-14-23A, I-25, I-29, I-31	125	10/3/09	A.Bernardi/ R.Swabsin	Revise and Resubmit	
1050-Area I Partial 1A	CLOSED	10/12/09	A			As-built Survey and Excavation volumes for I-2A, I-4, I-9, I-12, I-14-23A, I-25, I-29, I-31	126	10/15/09	A.Bernardi/ R.Swabsin	No comments	released for backfill
1050-Remaining Area H, Area F-2, Area DL2	CLOSED	8/28/09	0			As-built Survey and Excavation volumes for H-1 H-2, H-4, H7, H8, H9, H9, H10, H11, H12, H15, H16, H18, F2, DL2	122	9/17/09	A.Bernardi/ R.Swabsin	Comments as Noted	released for backfill
1050-Area H14	CLOSED	10/13/09	0			As-built Survey and Excavation volume for Area H14	130	10/20/09	A.Bernardi/ R.Swabsin	No comments	released for backfill
1050-Area DL1	CLOSED	10/12/09	0			As-built Survey and Excavation volume for Area DL1	128	10/15/099	A.Bernardi/ R.Swabsin	No comments	released for backfill
1050-Revised Area DL2	CLOSED	9/17/09	0			Revised As-built Survey and Excavation volume for Area DL2	122	9/17/09	A.Bernardi/ R.Swabsin	Comments as Noted	released for backfill

Table 4-1 Undeveloped Area Construction Submittal Log
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

SEVENSON SUBMITTAL NO.	STATUS (OPEN/ CLOSED)	DATE RECEIVED	REVISON NUMBER	SPEC. NO.	SUB SECTION	DESCRIPTION	PARSONS RESPONSE TRANS. NO	DATE OF RESPONSE	REVIEWER (s)	RESPONSE	COMMENTS
						Other					
	Closed	9/1/09				Well abandonement reports	118	9/10/09	A.Bernardi/ R.Swabsin	No comments	
1050-Area G	CLOSED	9/8/09	0			As-built Survey and Excavation volume for Area G	116	9/10/09	A.Bernardi/ R.Swabsin	No comments	released for backfill
1050A-H3, H5, H6, 11, H13, H17, I26, I27, 28	CLOSED	8/4/09	A			Revised As-built Survey and Excavation volumes for H-3 H-5, H-6, H11, H13, H17, I26, I27, I28	112	8/19/09	A.Bernardi/ R.Swabsin	Comments as Noted	resubmit asbuilt for H17, H62 Parsons to revise
1050-H3 H5 H6	CLOSED	7/24/09	0			As-built Survey and Excavation volumes for H-3 H-5 and H-6	103	7/31/09	C.Greene/ A.Bernardi	Revise and Resubmit	
1050-H11 H13 H17	CLOSED	7/23/09	0			As-built Survey and Excavation volumes for H-11 H-13 and H-17	101	7/31/09	C.Greene/ A.Bernardi	Revise and Resubmit	
1050-I26 I27 I28	CLOSED	7/24/09	0			As-built Survey and Excavation volumes for I-26 I-27 and I-28	104	7/31/09	C.Greene/ A.Bernardi	Revise and Resubmit	
1050-Elemental H	CLOSED	7/23/09	0			Elemental Mercury As-built Survey as of 7.22.09	102	7/31/09	C.Greene/ A.Bernardi	Revise and Resubmit	
1050-Elemental H1	CLOSED	7/29/09	0			Elemental Mercury As-built Survey as of 7.29.09	102	7/31/09	C.Greene/ A.Bernardi	Revise and Resubmit	
1050-Elemental H2	CLOSED	8/11/09	0			Elemental Mercury As-built Survey as of 8.5.09	109	8/12/09	A.Bernardi/ R.Swabsin	No comments	
1050-Elemental Area I	CLOSED	10/12/09	0			Elemental Mercury As-built Survey as of 10.12.09	129	10/15/09	A.Bernardi/ R.Swabsin	No comments	
1050-E 1	CLOSED	6/5/09	0			As-built Survey and Excavation volumes for E-1	065	6/9/09	A.Bernardi/ R.Swabsin	No comments	Released for backfill.
1050-E 2	CLOSED	6/5/09	0			As-built Survey and Excavation volumes for E-2	064	6/9/09	A.Bernardi/ R.Swabsin	No comments	Released for backfill.
1050-E 3	CLOSED	6/9/09	0			As-built Survey and Excavation volumes for E-3	068	6/11/09	A.Bernardi/ R.Swabsin	No comments	Released for backfill.
1050-E 4	CLOSED	6/9/09	0			As-built Survey and Excavation volumes for E-4	069	6/11/09	A.Bernardi/ R.Swabsin	No comments	Released for backfill.
1050-E 5	CLOSED	6/9/09	0			As-built Survey and Excavation volumes for E-5	070	6/11/09	A.Bernardi/ R.Swabsin	No comments	Released for backfill.
1050-E 6	CLOSED	6/11/09	0			As-built Survey and Excavation volumes for E-6	074	6/16/09	R. Swabsin/ N. Garguilo	No comments	Released for backfill.
1050-E7	CLOSED	6/19/09	0	2.01	L	As-built Survey and Excavation volumes for E-7	075	6/22/09	R. Swabsin/ N. Garguilo	No comments	Released for backfill.
1050-E 8	CLOSED	6/2/09	0			As-built Survey and Excavation volumes for E-8	062	6/8/09	A.Bernardi/ R.Swabsin	No comments	Released for backfill.
1050-E 9	CLOSED	6/1/09	0			As-built Survey and Excavation volumes for E-9	056	6/2/09	A.Bernardi/ R.Swabsin	No comments	Released for backfill.
1050-E 10	CLOSED	6/9/09	0			As-built Survey and Excavation volumes for E-10	071	6/11/09	A.Bernardi/ R.Swabsin	No comments	Released for backfill.
1050-E11	CLOSED	6/19/09	0	2.01	L	As-built Survey and Excavation volumes for E-11	076	6/11/09	R. Swabsin/ N. Garguilo	Revise and Resubmit	Released for backfill - Correct excvation quantity table
1050-E11A	CLOSED	6/24/09	A			As-built Survey and Excavation volumes for E-11 Revised	093	6/30/09	R. Swabsin	No comments	Released for backfill
1050-E12	CLOSED	6/24/09	0			As-built Survey and Excavation volumes for E-12	079	6/26/09	R. Swabsin	No comments	Released for backfill
1050-E13	CLOSED	6/24/09	0			As-built Survey and Excavation volumes for E-13	080	6/26/09	R. Swabsin	No comments	Released for backfill
1050-E14	CLOSED	5/27/09	0			As-built Survey and Excavation volumes for E-14	060	6/2/09	A.Bernardi/ R.Swabsin	No comments	Released for backfill.
1050-E15	CLOSED	6/1/09	0			As-built Survey and Excavation volumes for E-15	058	6/2/09	A.Bernardi/ R.Swabsin	No comments	Released for backfill.
1050-E16	CLOSED	6/24/09	0			As-built Survey and Excavation volumes for E-16	081	6/26/09	R. Swabsin	No comments	Released for backfill
1050-E17	CLOSED	6/19/09	0	2.01	L	As-built Survey and Excavation volumes for E-17	077	6/22/09	R. Swabsin/ N. Garguilo	No comments	Released for backfill.
1050-E18	CLOSED	6/24/09	0			As-built Survey and Excavation volumes for E-18	082	6/26/09	R. Swabsin	No comments	Released for backfill
1050-E19	CLOSED	6/24/09	0			As-built Survey and Excavation volumes for E-19	083	6/26/09	R. Swabsin	No comments	Released for backfill
1050-E20	CLOSED	6/24/09	0			As-built Survey and Excavation volumes for E-20	084	6/26/09	R. Swabsin	No comments	Released for backfill
1050-E21	CLOSED	6/23/09	0			As-built Survey and Excavation volumes for E-21	085	6/26/09	R. Swabsin	No comments	Released for backfill
1050-E22	CLOSED	6/2/09	0			As-built Survey and Excavation volumes for E-22	063	6/8/09	A.Bernardi/ R.Swabsin	No comments	Released for backfill.
1050-E23	CLOSED	6/9/09	0			As-built Survey and Excavation volumes for E-23	072	6/11/09	A.Bernardi/ R.Swabsin	No comments	Released for backfill.
1050-E24	CLOSED	6/9/09	0			As-built Survey and Excavation volumes for E-24	073	6/11/09	A.Bernardi/ R.Swabsin	No comments	Released for backfill.
1050-E25	CLOSED	6/24/09	0			As-built Survey and Excavation volumes for E-25	086	6/26/09	R. Swabsin	No comments	Released for backfill
1050-E26	CLOSED	6/24/09	0			As-built Survey and Excavation volumes for E-26	087	6/26/09	R. Swabsin	No comments	Released for backfill
1050-E27	CLOSED	6/24/09	0			As-built Survey and Excavation volumes for E-27	088	6/26/09	R. Swabsin	No comments	Released for backfill
1050-E28	CLOSED	6/23/09	0			As-built Survey and Excavation volumes for E-28	089	6/26/09	R. Swabsin	No comments	Released for backfill
1050-07	CLOSED	5/20/09	0			Asbuilt and Excavation Quantity for Area E-30	052	5/26/09	A.Bernardi/ R.Swabsin	Revise and Resubmit	Released for backfill.
1050-07A	CLOSED	5/29/09	A			Asbuilt and Excavation Quantity for Area E-30	059	6/2/09	A.Bernardi/ R.Swabsin	No comments	Released for backfill.
1050-E 31	CLOSED	6/1/09	0			Asbuilt and Excavation Quantity for Area E-31	057	6/2/09	A.Bernardi/ R.Swabsin	No comments	Released for backfill.
1050-E32	CLOSED	6/4/09	0			Asbuilt and Excavation Quantity for Area E-32	061	6/8/09	A.Bernardi/ R.Swabsin	No comments	Released for backfill.
1050-E33	CLOSED	6/23/09	0			As-built Survey and Excavation volumes for E-33	090	6/26/09	R. Swabsin	No comments	Released for backfill

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						Other					
	Closed	9/1/09				Well abandonement reports	118	9/10/09	A.Bernardi/ R.Swabsin	No comments	
1050-03	CLOSED	4/22/09	0			Asbuilt and Excavation Quantity for Area E-34	043	5/5/09	C.Greene/ R.Swabsin/ C.Strotz/ A.Bernardi	Revise and Resubmit	need as-built of paint impacted soil excavation and horizontal offset of corner points from design
1050-2.01(L.3)-5.18.09	CLOSED	5/18/09	0			As-built Resurvey Area E-34	050	5/19/09	R.Swabsin/ A.Bernardi	Reviewed No Comment	Resurvey of E-34 to confirm final excavation bottom
1050-E37	CLOSED	4/27/09	0			Asbuilt and Excavation Quantity for Area E-37	044	5/5/09	C.Greene/ R.Swabsin/ C.Strotz/ A.Bernardi	Revise and Resubmit	need to include horizontal offset of corner points from specified design location
1050-E38	CLOSED	4/27/09	0			Asbuilt and Excavation Quantity for Area E-38	045	5/5/09	C.Greene/ R.Swabsin/ C.Strotz/ A.Bernardi	Revise and Resubmit	need to include horizontal offset of corner points from specified design location
1050-E39	CLOSED	12/3/09	0			Asbuilt Survey for Area E-39	142	12/3/09	R.Swabsin/ A.Bernardi	Reviewed No Comment	Released for Backfill
1050-2.01(L.2).-5.5.09	CLOSED	5/5/09	0			As-Built Excavation Quantities to date	055	5/29/09	R.Swabsin/ A.Bernardi	Reviewed No Comment	Excavation quantities for Area E anf F
1050-2.01(L.2).-6.25.09	CLOSED	6/25/09	0			Area E and F Exacavation Volumes	096	7/14/09	R.Swabsin/ A.Bernardi	Revise and Resubmit	
96A	CLOSED	7/16/09	1			Resubmittal of Area E and F Exacavation Quantities	097	7/17/09	R.Swabsin/ A.Bernardi	Comments as Noted	Area E-11 screened volume needs revision
1050-04	CLOSED	5/5/09	0			As-Built Survey of Area E-29, E-34, E-35, E-36, E-37, and E-38	049	5/19/09	C.Greene/ R.Swabsin/ C.Strotz/ A.Bernardi	Comments as Noted	E-29, E-34, E-35, E-36, E-37, and E-38 released for backfill
1050-04A	CLOSED	5/11/09	A			As-Built Survey of Area E-29, E-34, E-35, E-36, E-37, and E-38	049	5/19/09	C.Greene/ R.Swabsin/ C.Strotz/ A.Bernardi	Comments as Noted	E-29, E-34, E-35, E-36, E-37, and E-38 released for backfill
1050-05	CLOSED	5/5/09	0			As-Built Survey of Area F-1, F-2, F-3, F-4, F-5, and F-6	047	5/13/09	C.Greene/ R.Swabsin/ C.Strotz/ A.Bernardi	Comments as Noted	Released for backfill.
1050-05A	CLOSED	5/11/09	A			As-Built Survey of Area F-1, F-2, F-3, F-4, F-5, and F-6	047	5/13/09	C.Greene/ R.Swabsin/ C.Strotz/ A.Bernardi	Comments as Noted	Released for backfill.
						--- The subgrade surface elevation prior to the placement of any required geosynthetic filter fabric, backfill or cover					
						--- Final location of any installed or permanantly relocated utilities as part of the work					Dewatering well points
1050-08	CLOSED	7/17/09	0			Area H sheet pile As-built	099	7/23/09	A.Bernardi/ C.Greene	Revise and Resubmit	TOS elev missing; H77 to H78 sheets add'l 1ft drive
1050-08A	CLOSED	7/30/09	A			Revised Area H Sheet pile As-built	106	8/5/09	R.Swabsin/ A.Bernardi	Revise and Resubmit	
1050-Revised Area H sheet pile asbuilt	CLOSED	12/15/09	B			Revised Area H Sheet pile As-built	144	12/17/09	R.Swabsin/ A.Bernardi	Revise and Resubmit	Corner point "H62" labeled "H61"
1050-06	CLOSED	5/19/09	0			Area E Sheetpile As-built					updated as-built
1050-06A	CLOSED	6/16/09	A			As-Built Survey of Area E Sheet Pile Layout	091	6/26/09	R. Swabsin/ C. Greene	No comments	Released for backfill
1050-02	CLOSED	4/16/09	0			Area F Sheetpile As-built	046	5/5/09	C.Greene/ R.Swabsin/ C.Strotz/ A.Bernardi	Revise and Resubmit	Include top of sheet elevations
1050-02A	CLOSED	5/26/09	A			Area F Sheetpile As-built	054	5/29/09	R.Swabsin/ A.Bernardi	Revise and Resubmit	
1050-09	CLOSED	9/3/09	0			Area I Sheetpile As-built	115	9/4/09	R.Swabsin/ A.Bernardi	Revise and Resubmit	
1050-09A	CLOSED	9/15/09	0			Revised Area I Sheetpile As-built	121	9/16/09	R.Swabsin/ A.Bernardi	Comments as Noted	
1050-Revised Area I sheet pile as built	CLOSED	12/15/09	0			Revised Area I Excavation Table	145	12/17/09	R.Swabsin/ A.Bernardi	Revise and Resubmit	
						--- Locations, inlet and outlet invert elevations of all storm drainage systems and related components					
						--- Post-construction topographic survey					
1050-Final grade As-builts	CLOSED	12/16/09	0			Final grade Asbuilts for E, F, H, I and other small areas DL-1/2, G-1, and F-7	147	12/17/09	R.Swabsin/ A.Bernardi	No comments	
						--- any observations made by the Surveyor indicating deviation from the Drawings or specifications					
1050-02B	CLOSED	6/16/09	B	5	2.01	As-Built Survey of Area F Sheet Pile - Revised	092	6/26/09	R. Swabsin	No comments	Released for backfill
				01100		**Health and Safety Requirements**					
						--- Subcontractor Site Specific Health and Safety Plan					This submittal will be updated as necessary throughout the project

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						Other					
	Closed	9/1/09				Well abandonement reports	118	9/10/09	A.Bernardi/ R.Swabsin	No comments	
1101-01	CLOSED	2/12/09	0		1.04 C	Site Safety and Health Plan	001	2/21/09	C.Greene/ C.Boehm	Comments as Noted	For additional comments see Transmittal 001. Living document, update and replace pages as required.
1101-01A	CLOSED	2/27/09	A		1.04 C	Response to Comments and Health and Safety Plan Additional Data	028	3/27/09	C. Boehm/ C.Greene	No Comments	Response to Parsons comments on Submittal 1100-01
				01110		**Environmental Protection Procedures**					
					3.03 E	--- Location of Temporary Storage Buildings, Roads, Embankments, or Excavations					
					3.04 B	--- Dust control product samples and manufacturer's literature					
					3.05 B	--- Odor control product samples and manufacturer's literature					
					3.07	--- MSDS's for all chemicals, fuels, and solvents brought onsite for the duration of the project					
			0	**01350**		**Submittals**					
					1.02 (A)	--- Shop Drawings					
					1.02 (B)	--- Proposed Product List					
					1.02 (C)	--- Product Samples					
						--- Testing Results					due within 5 days of receiving results; but no later than 30 days of sample collection
	CLOSED	3/4/09			1.07 (A)	--- Construction Schedule					due within 10 days after the NTP
	CLOSED				1.09 (A)	--- List of Subsidiary Subcontractors					due within 10 days after the Agreement
See 01050					1.10 (A)	--- As-built Drawings					due within 14 days of substantial completion of construction
				01400		**Quality Control**					
1400-01	CLOSED	2/18/09	0		1.06 (A)	Sevenson Quality Control Plan	003	3/5/09	C.Greene/Perez	Revise and Resubmit	See transmittal 003 for list of comments
1400-01A	CLOSED	3/19/09	A		1.06 (A)	Sevenson Quality Control Plan	030	3/27/09	C.Greene/ R.Swabsin/ A.Bernardi	Revise and Resubmit	
1400-01B	CLOSED	4/6/09	B		1.06 (A)	Sevenson Quality Control Plan	038	4/10/09	C.Greene/ R.Swabsin/ A.Bernardi	Comments as Noted	
1400-03	CLOSED	7/7/09	0			Jayson Stark Resume	095	7/10/09	C.Greene/ R.Swabsin/ A.Bernardi	No Comments	
						--- Company Name, address, and Qualifications of Independent Testing Lab					
1400-02	CLOSED	3/25/09	0			MT Group Qualification Package	023	3/27/09	C.Greene/ R.Swabsin/ A.Bernardi	No Comments	
					1.06 (B)	--- Name and qualifications of individuals performing the actual testing					
1400-02	CLOSED	3/25/09	0			MT Group Testing Personnel	023	3/27/09	C.Greene/ R.Swabsin/ A.Bernardi	No Comments	
					1.06 (D)	--- Daily field reports and testing logs developed and recorded by the ITL					
						--- Reports of testing results and other reports					
			0	**02050**		**Air Monitoring**					
2050-01	CLOSED	2/26/09	0		1.04 (A)	`	019	3/23/09	A.Bernardi/ C.Greene/ R.Swabsin	Revise and Resubmit	due 20 days before start of construction
2050-01	CLOSED	3/26/09	A			Air Monitoring Mitigation Measures Workplan - Revised	041	4/21/09	A.Bernardi/ C.Greene/ R.Swabsin	Comments as Noted	Revised information received week of 4/6/09
						--- MSDS for products used to control vapors or dust					
2050-02	CLOSED	2/26/09	0			Con Cover Dust Suppression Material	029	3/27/09	A.Bernardi/ C.Greene	No Comments	
2050-02	CLOSED	2/26/09	A			Con Cover SW and Hydraguard Dust Suppression Material	042	4/24/09	A.Bernardi/ C.Greene/ R.Swabsin	Comments as Noted	
			0	**02100**		**Site Preparation**					
					1.03 (A)	--- Clean fill certification test results for temporary access road construction materials					1 per source
2100-01	CLOSED	3/11/09	0			DGA Stone Clean Source Document	013	3/16/09	C.Greene/ R.Swabsin/ A.Bernardi	Comment as noted	This is gradation and source document only, need to submit clean fill cert
2100-02	CLOSED	3/26/09	0			DGA Stone Chemical Test Results	032	3/31/09	C.Greene/ A.Bernardi	No Comments	

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						Other					
	Closed	9/1/09				Well abandonement reports	118	9/10/09	A.Bernardi/ R.Swabsin	No comments	
2100-03	CLOSED	3/26/09	0			Utility Sand and Surge Stone	040	4/20/09	R. Swabsin/ A. Bernardi/ C.Strotz	No Comments	Clean Source documentation
			0	**02120**		**Drum Removal**					
2120-01	CLOSED	3/2/09	0		1.04 (A)	Waste Stream Analytical Lab Qualifications	014	3/18/09	R. Swabsin/ A. Bernardi/ C.Greene	No Comments	
see 2120-01						--- Name sand qualification of the individuals performing the testing and analysis	see 014				
						--- Laboratory test results					due within 1 day of receipt
		12/4/09				Analytical for DC-9 and DC-10			A. Bernardi		
see 1050-2.01(L.1)-5/28/09					3.01 (B)	--- Surveyed locations of drums encountered during site activities					
			0	**02140**		**Construction Water Management**					
2140-01	CLOSED	2/24/09	0		1.03 (A)	Sevenson Construction Water management Plan	008	3/13/09	R.Swabsin/ C.Greene	Revise and Resubmit	Needs to be signed and sealed by a NJ PE. Resubmit signed/sealed copy. See letter of transmittal for full list of comments.
2140-01A	CLOSED	3/27/09	A			Construction Water Management Plan - Rev. 1	033	4/2/09	R.Swabsin/ C.Greene/ A.Bernardi	Comments as Noted	adress damage/leaking pipes; gw 1ft below excavation
					1.03 (C)	--- Name, address, and qualifications of dewatering subcontractor					
2140-02	CLOSED	3/25/09	0			Moretrench American Qualifications	024	3/27/09	R.Swabsin/ C.Greene/ A. Bernardi	No Comments	
				02160		**Bituminous Pavement**					
					1.04 (A)	--- Supplier Product Data					
2160-01	CLOSED	3/25/09				Tilcon I-2 Mix Design	021	3/26/09	R.Swabsin/ C.Greene/ A.Bernardi	No Comments	
2160-02	CLOSED	3/25/09	0			Tilcon I-4 Mix Design	022	3/26/09	R.Swabsin/ C.Greene/ A.Bernardi	Comments as Noted	
	CLOSED	4/15/09	0		3.03 (A)	--- Batching Slips for Bituminous Binder			A.Bernardi		
						--- Elevation Measurements Before and After Binder Placement					
			0	**02200**		**Earthwork**					
					1.03 (A)	--- Proposed methods of construction including backfilling, compaction, grading, and stormwater control					
See 01400					1.05 (A)	--- Quality Control Program Workplan					
See 01400						--- Name, address and qualifications of Independent Analytical Lab					
See 01400						--- Names and qualifications of individuals performing the testing and analysis					
					2.01 (A)	Common Fill					
						--- Grain Size (ASTM D422)					1 per 1000 cy
2200-01	CLOSED	4/15/09	0			DGA Common Fill	039	4/16/09	R.Swabsin/ C.Greene/ A.Bernardi	Comments as Noted	
2200-01.1	CLOSED	5/22/09	0			DGA Common Fill	053	5/27/09	R.Swabsin/ A.Bernardi	No Comments	
2200-02	CLOSED	6/2/09	0			Tilcon Overburden and Stavola Quarry Fill	066	6/11/09	C. Greene/ R.Swabsin/ A. Bernardi	Comments as Noted	Tilcon Overburden is approved
2200-10	CLOSED	8/19/09	0			Tilcon Overburden Gradation and Modified Proctor QC Testing	113	9/2/09	R.Swabsin/ A.Bernardi	Comments as Noted	5 sets of tests
2200-11	CLOSED	8/19/09	0			Tilcon Overburden Gradation and Modified Proctor QC Testing	113	9/2/09	R.Swabsin/ A.Bernardi	Comments as Noted	4 sets of tests
2200-12	CLOSED	9/15/09	0			Tilcon Overburden Gradation and Modified Proctor QC Testing	119	9/16/09	R.Swabsin/ A.Bernardi	Revise and Resubmit	Need to submit compaction via D1557
2200-12A	CLOSED	10/23/09	0			Tilcon Overburden Gradation and Modified Proctor QC Testing-Response to Comments	135	11/2/09	R.Swabsin/ A.Bernardi	No Comments	
2200-13	CLOSED	9/15/09	0			DGA Backfill Gradation and Modifired Proctor QC Testing	120	9/16/09	R.Swabsin/ A.Bernardi	No Comments	
2200-14	CLOSED	10/22/09	0			Tilcon Overburden Gradation and Modified Proctor QC Testing	134	11/2/09	R.Swabsin/ A.Bernardi	No Comments	
2200-16	CLOSED	12/7/09	0			Tilcon Overburden and DGA Gradation and Modified Proctor QC Testing	143	12/16/09	R.Swabsin/ A.Bernardi	Comments as Noted	excess gravel in common fill sample
						--- Moisture Content (ASTM D2216)					N/A
						--- Modified Proctor (ASTM D4315)					1 per 1000 cy
2200-01	CLOSED	4/15/09	0			DGA Common Fill	039	4/16/09	R.Swabsin/ C.Greene/ A.Bernardi	Comments as Noted	
2200-01.1	CLOSED	5/22/09	0			DGA Common Fill	053	5/27/09	R.Swabsin/ A.Bernardi	No Comments	
2200-14	CLOSED	10/22/09	0			Tilcon Overburden Gradation and Modified Proctor QC Testing	134	11/2/09	R.Swabsin/ A.Bernardi	No Comments	

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						Other					
	Closed	9/1/09				Well abandonement reports	118	9/10/09	A.Bernardi/ R.Swabsin	No comments	
2200-15	CLOSED	11/10/09	0			Tilcon Overburden Gradation and Modified Proctor QC Testing	139	11/12/09	R.Swabsin/ A.Bernardi	No Comments	
2200-16	CLOSED	12/7/09	0			Tilcon Overburden and DGA Gradation and Modified Proctor QC Testing	143	12/16/09	R.Swabsin/ A.Bernardi	Comments as Noted	excess gravel in common fill sample
						--- Atterberg Limits (ASTM D4318)					N/A
						--- Organic Content (ASTM D2974)					N/A
2200-01	CLOSED	4/15/09	0			--- NJDEP Clean Fill Certification	039	4/16/09	R.Swabsin/ C.Greene/ A.Bernardi	Comments as Noted	1 per source
2200-02.1	CLOSED	6/8/09	0			Tilcon Overburden and Stavola Quarry Fill	067	6/11/09	R.Swabsin/ C.Greene/ A.Bernardi / N. Garguilo	Comments as Noted	Both samples meet the applicable clean fill criteria (RDCSCC updated 5/12/99)
					2.01 (D)	Rip-rap					
						--- Rip-Rap Sizing (ASTM D5519)					1 per source
					2.01 (E)	1 1/2 Inch Washed Stone					
						--- Grain Size (ASTM D422)					1 per 1000 cy
2200-06	CLOSED	3/11/09	0			1-1/2" Washed Stone Gradation / Source Statement	011	3/11/09	C. Greene/ R.Swabsin/ A. Bernardi	No Comments	
						--- NJDEP Clean Fill Certification					1 per source
					2.01 (F)	Granular Sand					
						--- Grain Size (ASTM D422)					1 per 1000 cy
2200-05	CLOSED	7/20/09				Amboy Aggregates Clean Sand	100	7/23/09	A.Bernardi/ C.Greene	Comments as Noted	55ft Buffer backfill below gwt only
2200-14	CLOSED	10/22/09	0			Amboy Aggregates Gradation and Modified Proctor QC Testing	134	11/2/09	A.Bernardi/ R.Swabsin	No Comments	
						--- Organic Content (ASTM D2974)					1 per 1000 cy
						--- NJDEP Clean Fill Certification					1 per source
2200-04	CLOSED	7/17/09	0			Amboy Aggregates Clean Sand	098	7/17/09	A.Bernardi/ R.Swabsin	No Comments	
			0	**02219**		**Excavation and Soil Handling**					
2219-01	CLOSED	3/23/09			1.04 (A)	--- Excavation and Soil Handling Plan	031	3/30/09	C. Greene/ R.Swabsin/ C.Strotz/ A. Bernardi	Revise and Resubmit	See list on Transmittal 031
2219-01A	CLOSED	4/2/09				Excavation and Soil Handling Plan	034	4/6/09	C. Greene/ R.Swabsin/ C.Strotz/ A. Bernardi	No comments	
See 01050					1.04 (B)	--- Excavation Records					daily report: excavation area worked, excavation elevations, volume and
			0	**02270**		**Erosion and Sedimentation Controls**					
						--- Provide product data for each component to be used in erosion and sedimentation control					
2270-1	CLOSED	2/24/09	0		1.04	Mesh Back Silt Fence	004	3/5/09	C.Greene/ R.Swabsin/ S.Anderson	No comments	
2270-1A	CLOSED	3/20/09	A		1.04	Mesh Back Silt Fence	018	3/20/09	C.Greene/ R.Swabsin/ S.Anderson/ A.Bernardi	No comments	
2270-1	CLOSED	2/24/09	0		1.04	Brockton Turbidity Barrier	004	3/5/09	C.Greene/ R.Swabsin/ S.Anderson	Revise and Resubmit	Sevenson required to modify length of curtain and confirm that posts allow for free movement of the rings
2270-1A	CLOSED	3/20/09	A		1.04	Brockton Turbidity Barrier	018	3/20/09	C.Greene/ R.Swabsin/ S.Anderson/ A.Bernardi	No comments	
2270-1	CLOSED	2/24/09	0		1.04	Super Silt Fence	004	3/5/09	C.Greene/ R.Swabsin/ S.Anderson	No comments	
2270-1A	CLOSED	3/20/09	A		1.04	Super Silt Fence	018	3/20/09	C.Greene/ R.Swabsin/ S.Anderson/ A.Bernardi	No comments	
2270-02	CLOSED	10/27/09	0			Erosion Control Blankets	132	11/2/09	R.Swabsin/ A.Bernardi	No comments	
2270-03	CLOSED	11/2/09	0			Erosion Control Blankets (due to availabillity)	136	11/3/09	R.Swabsin/ A.Bernardi	No comments	
						--- Provide a description and illustrations showing anticipated stormwater and erosion control measures					

Table 4-1 Undeveloped Area Construction Submittal Log
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

SEVENSON SUBMITTAL NO.	STATUS (OPEN/ CLOSED)	DATE RECEIVED	REVISON NUMBER	SPEC. NO.	SUB SECTION	DESCRIPTION	PARSONS RESPONSE TRANS. NO	DATE OF RESPONSE	REVIEWER (s)	RESPONSE	COMMENTS
						Other					
	Closed	9/1/09				Well abandonement reports	118	9/10/09	A.Bernardi/ R.Swabsin	No comments	
			0	**02457**		**Temporary Sheet Piling**					
2457-01	CLOSED	3/13/09	0			Temp. Sheet Pile Material - AZ-18 and AZ-26	026	3/27/09	R.Swabsin/ C.Greene/ A.Bernardi	No Comments	
2457-02	CLOSED	3/2/09	0		1.05 (A)	DeNeef Swellseal WA Joint Sealant Catalog Cut, MSDS Sheet	012	3/16/09	R. Swabsin	No Comments	
2457-02A	CLOSED	4/8/09	A			DeNeef Swellseal WA Lot Information	036	4/10/09	R.Swabsin/ C.Greene/ A.Bernardi	No Comments	Need lot numbers upon arrival at site
see 2457-04	CLOSED					--- Wale, strut and/or tieback materialdimensions and properties					
see 2457-04	CLOSED										
2457-04	CLOSED	3/10/09	0		1.05 (B)	Temporary Sheet Pile Installation and Extraction Plan	Draft Comments	3/13/09	R. Swabsin/C. Greene/ R. D'Hollander	Draft Comments sent to Sevenson	
2457-04A	CLOSED	3/17/09	A		1.05 (B)	Temporary Sheet Pile Installation and Extraction Plan	025	3/27/09	R. Swabsin/C. Greene/ R. D'Hollander	Comments as Noted	
see 2457-04					1.05 (C)	---Proposed layout of temporary steel sheet piling system shop drawing					
2457-07	CLOSED	5/7/09	0			Revised Glynn Drawing Sheet Pile Profiles and Design Calculations	048	4/15/09	R.Swabsin/ A.Bernardi	Revise and Resubmit	driving logs
2457-05	CLOSED	5/6/09	0			Area H Sheet Pile Design	051	5/26/09	R. Swabsin/C. Greene/ R. D'Hollander	Revise and Resubmit	Partial Release
Not applicable						--- Shoring and bracing detail					
see 2457-04	CLOSED				1.05 (D)	--- Driving and Extraction Record					
see 2457-04	CLOSED				1.07 (A)	--- QC Program					
2457-05	CLOSED	5/6/09	0			Area H Sheet Pile Design	078	6/25/09	R. Swabsin/C. Greene/ R. D'Hollander	Comments as Noted	Revised transmittal included SES response to previous comments
2457-5A	CLOSED	7/28/09	A			Revised Internal Sheet Pile in Area H	105	8/5/09	A.Bernardi/ R.Swabsin	No Comments	
2457-06	CLOSED	3/13/09	0			Movax SP-100F4 and APE ROBOVIB	027	3/27/09	R.Swabsin/ C.Greene/ A.Bernardi	Comments as Noted	
2457-04B	CLOSED	3/20/09	B		1.05 B	APE Robovib and APE 150 Hanging Vibro Specs	020	3/24/09	R.Swabsin/ C.Greene/ A.Bernardi	Comments as Noted	
2457-04C	CLOSED	4/8/09	C			APE 100 Hanging Vibro Specs	037	4/10/09	R.Swabsin/ C.Greene/ A.Bernardi	Comments as Noted	Alternate hammer may be required if Threshold Limt Values (TLV) are exceeded close to sensitive structures
2457-08	CLOSED	6/18/09	0		1.05 B	Temp. Sheet Pile Design Calculations - Area I	123	9/25/09	R.Swabsin/ C.Greene/ A.Bernardi	No Comments	
2457-08A	CLOSED	8/3/09	A		1.05 B	Temp. Sheet Pile Design Calculations – Area I Secondary Sheeting	123	9/25/09	R.Swabsin/ C.Greene/ A.Bernardi	No Comments	
			0	**02490**		**Geotechnical Instrumentation and Monitoring**					
					1.05 (A)	--- Instrumentation and Monitoring Plan					required for supplementary instrumentation oustside of spec
					1.05 (B)	--- instrument an Monitoring Installation Report					required for instruments installed by the Subcontractor
					1.05 (C)	--- Data collected by Subcontractor instrumentation					required within 48 hours of collection
					1.05 (D)	--- Weekly report of all construction activities					weekly
					3.05 (C.1)	--- Groundwater control and temporary relief operations report					
					3.05 (C.2)	--- Support system construction activities summary					
					3.05 (C.3)	--- Excavation and filling operations summary					
					3.05 (C.4)	--- Other activities not related to excavation, support, or filling					
					3.05 (C.5)	--- Unusual events that may have affected instrumentation readings					
					3.05 (C.6)	--- Cross section at each inclinometer location					
			0	**02540**		**Infiltration Galleries**					
2540-01	CLOSED	4/2/09	0		1.04 (A.1)	--- Infiltration basin design, sizing, and location(s)	035	4/6/09	C.Greene/ S.Anderson/R. Swabsin	No Comments	
					1.04 (A.2)	--- Material test results					20 calendar days prior to use
2540-05	CLOSED	2/24/09	0		1.04 (A.3)	Distribution Box	005	3/5/09	C.Greene/ S.Anderson	Comments as Noted	Need anti-flotation protection

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						Other					
	Closed	9/1/09				Well abandonement reports	118	9/10/09	A.Bernardi/ R.Swabsin	No comments	
2540-05	CLOSED	3/19/09	A		1.04 (A.3)	Distribution Box	016	3/20/09	R.Swabsin/ S.Anderson	No Comments	
2540-06	CLOSED	2/20/09	0		1.04 (A.3)	Standpipe	006	3/5/09	C.Greene/ S.Anderson	Comments as Noted	Need anti-flotation protection
2540-06	CLOSED	3/19/09	A		1.04 (A.3)	Standpipe	017	3/20/09	R.Swabsin/ S.Anderson	No Comments	
	CLOSED	4/14/09			1.04 (A.4)	--- Laboratory test results			A.Bernardi		14 of 14 tests performed on top of berm exceeded 92% compaction
			0	**02931**		**Topsoil, Seeding, and Vegetation**					
					1.03 (A.1)	--- Proposed topsoil sources and seed mixtures for both temporary and permanent vegetation, along with test results and certification					14 calendar days prior to use
					1.03 (B)	--- Product data for each component to be used in topsoil, seeding and vegetation					
2931-01	CLOSED	10/27/09	0			Seed mix for upland and wetland area, temporary cover seed mix, and fertilizer	133	11/2/09	R.Swabsin/ A.Bernardi/ K.Fields	Revise and Resubmit	Resubmit fertilizer with nitrogen content closer to 10%
2931-01A	CLOSED	11/5/09	A			Clarification on fertilizer nitrogen content	137	11/6/09	R.Swabsin/ A.Bernardi	No comments	
02931-02	CLOSED	11/16/09	0			Mulch and Binder for temporary seed	140	11/17/09	R.Swabsin/ A.Bernardi	No comments	
					2.01 (A.3)	--- Grain Size (ASTM D422)					1 per 1,000 cy
2200-09A	CLOSED	8/31/09				Cedar Hill Topsoil and Wetlands Topsoil Geotechnical Analysis (Response to Comments)	114	9/3/09	R.Swabsin/ A.Bernardi	Comments as noted	approved topsoil source
2200-09	CLOSED	8/12/09	0			Cedar HillTop soil and Wetlands Topsoil Geotechnical Analysis	111	8/18/09	R.Swabsin/ A.Bernardi	Revise and Resubmit	Clay content too low; submittal needs clarification
2931-03	CLOSED	12/15/09	0			Cedar HillTop soil and Wetlands Topsoil Geotechnical Analysis	146	12/17/09	R.Swabsin/ A.Bernardi	Comments as noted	pH > 7.0, high silt content
See 2200-09						--- Organic Content (ASTM D2974)					1 per 1,000 cy
See 2200-08						--- Soil Nutrient Analysis	See 108				1 per 1,000 cy
						--- Clean fill certification					1 per source
2200-08	CLOSED	8/4/09	0			Cedar HillTop soil and Wetlands Topsoil Chemical Test Report	108	8/11/09	R.Swabsin/ A.Bernardi	No comments	

Notes: **Parsons Transmittal 002 is a CD containing UndevelopedArea Construction Drawings**

Table 4-2 Developed Area Construction Submittal Log
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

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						Other					
				00130		**Change Orders (as necessary)**					
				01010		**Summary of Work and Measurement and Payment**					
	Closed	1/15/10			1.02 (A)	**Schedule of Values**					SES Master Construction Estimate
				01011		**Construction Drawings (as necessary)**					
				01039		**Coordination and Meetings**					
	Closed				1.02 (B)	**Construction Schedule and personnel list**					Schedule is submitted by Sevenson on a weekly basis, prior to the construction update meeting. Personnel List is submitted daily as part of the QC report.
				01046		**Control of Work (as necessary)**					
				01050		**Surveying**					
					2.01 (A)	**Name, address, and qualifications of NJ licensed Surveyor**					
	Closed					Kennon Surveying					See Kennon Qualifications and Certifications provided during Undeveloped Area Construction Submittal 0150-01
					2.01 (D)	**Topographic Survey of West Ditch and the 55-ft Buffer upon completion of excavation, backfill, and restoration**					
1050-West Ditch Buffer Zone	Closed	6/7/10	0			Buffer Zone at West Ditch Area Profiles	065	6/9/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
1050-West Ditch Asbuilts	Closed	7/29/10	0			West Ditch Excavation As Builts with Profiles	096	8/2/10	A.Bernardi / R.Swabsin	Reviewed Comments as Noted	Sta. 2+00 through 4+00 approved for fabric and backfill placement
1050-West Ditch Sta. 1+10	Closed	8/26/10	0			West Ditch Asbuilt Sta. 1+10	113	8/27/10	A.Bernardi / R.Swabsin / C.Greene	Revise and Resubmit	Finish grades must match the design grades specified on the contract drawings and provide 4ft of excavation and offsite fill
1050-Buffer Zone Repair As-builts	Closed	8/26/10	0			Buffer Zone Repair As-built	125	9/10/10	A.Bernardi / R.Swabsin / C.Greene	Revise and Resubmit	Two areas of the 55ft Buffer Zone lack the minimum of 4ft of fill as indicated on the attached drawing.
1050-Buffer Zone West Ditch As-builts	Closed	9/14/10	0			Buffer Zone West Ditch asbuilt (Auto Cad file only)	146	10/4/10	R.Rabufetti / N.Garguilo / R.Swabsin / C.Greene	Reviewed No Comments	
1050-Various Asbuilts	Closed	12/21/10	A			West Ditch and Buffer Zone Asbuilt	205	12/22/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					2.01 (L.1)	**Location and elevation of drums removed during the Work**					
1050-Drum Location 2010	Closed	12/7/10	0			Drum Location Plan 2010	196	12/8/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					2.01 (L.2)	**The excavation limits including the elevations of the excavation bottoms**					
1050-I23A/B, I13A/B	Closed	4/8/10	0			Excavation As-built and Excavation Summary Table for Area I-13A/B and I-23A/B	027	4/9/10	A.Bernardi / R.Swabsin	Revise and Resubmit	Clarify overburden volume descrepency and submit complete Area I excavation Table. These comments were addressed under transmittal 027

Table 4-2 Developed Area Construction Submittal Log
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

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1050-Area I sheet pile	Closed	4/13/10	0			Area I Temporary Sheet Pile As Built	032	4/16/10	A.Bernardi / R.Swabsin	Reviewed Comments as Noted	>620 material east of point I16 excavated during during UAR Construction. >620 material north of Arae I-1 will be encapsulated by Area D sheeting
1050-Sheet pile As-Built	Closed	6/17/10	0			Area D Exterior Sheet pile As-built	068	4/21/10	A.Bernardi / R.Swabsin	Revise and Resubmit	Resubmit with complete Area D driving log
1050-Sheet pile As-Built	Closed	6/22/10	0			Area D Exterior Sheet pile As-built	071	6/23/10	A.Bernardi / R.Swabsin	Comments as Noted	SES submitted revised temporary sheet pile driving logs for Arae D on 6/22/10
1050-Area I Excavation As-builts 2010	Closed	4/19/10	0			Grids I-1A&B, 2A&B, 3A&B, 8A&B, I-9 excavation asbuilts and revised Area I excavation table (answers comments on Transmittal 27)	043	4/27/10	A.Bernardi / R.Swabsin	Reviewed Comments as Noted	Comments submitted under Transmittal 027 have been addressed by this submittal
1050-Area I Elemental 2010	Closed	5/19/10	0			Elemental Excavation asbuilts for Secondary Area I Excavation	058	5/24/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
1050-Area D1, D2, D20	Closed	6/4/10	0			Excavation As-built and Excavation Summary Table for Area D-1, D-2, D-20	064	6/9/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
1050-D1, D2, D3, D18, D19, D20	Closed	6/7/10	0			Excavation As-built and Excavation Summary Table for Area D-1, D-2, D-3, D-18, D-19, and D-20	064	6/9/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
1050-D5 D6	Closed	6/15/10	0			Excavation As-built and Excavation Summary Table for Area D-5 and D-6	067	6/16/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
1050-Area D8, D9, D11	Closed	6/22/10	0			Excavation As-built and Excavation Summary Table for Area D-8, D-9 and D-11	072	6/28/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
1050-Area D13 D-15	Closed	7/14/10	0			Excavation As-built and Excavation Summary Table for Area D-13 and D-15	087	7/15/10	A.Bernardi / C.Greene	Reviewed No Comments	
1050-Completion of D	Closed	8/6/10	0			Excavation As-built and Excavation Summary Table for Area D4, D7, D10, D12, D14, D16, D17	106	8/18/10	A.Bernardi / R.Swabsin / S.Anderson	Revise and Resubmit	Coordinate given for P-SB-D25 is 7ft within the excavation.
1050-Completion of D - D16 Response Asbuilt	Closed	8/26/10	A			Revised Area D Excavation asbuilts for Grid D16	114	8/30/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
1050-Various Asbuilts	Closed	12/21/10	0			RR Excavation As-built	205	12/22/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					2.01 (L.3)	**The subgrade surface elevation prior to the placement of any required geo. Filter fabric, backfill, and cover.**					
1050-West Ditch Asbuilts	Closed	7/29/10	0			West Ditch Excavation As Builts with Profiles	096	8/2/10	A.Bernardi / R.Swabsin	Reviewed Comments as Noted	Sta. 2+00 through 4+00 approved for fabric and backfill placement
1050-Concrete Cap Subbase asbuilt SW	Closed	9/1/10	0			Concrete Cap Subbase asbuilt South and West Side of Wolf Warehouse	119	9/2/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
1050-Concrete Cap Subbase Northern	Closed	9/8/10	0			Concrete Cap Subbase asbuilt North Side of Wolf Warehouse	125	9/10/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
1050-Concrete Cap Subbase East Side	Closed	9/15/10	0			Concrete Cap Subbase asbuilt East Side of Wolf Warehouse	129	9/16/10	A.Bernardi / R.Swabsin	Reviewed No Comments	

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Wood-Ridge and Carlstadt, New Jersey

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1050-Undeveloped Asbuilts 1	Closed	11/5/10	0			Partial Separation Barrier (Clay) Asbuilt, Undeveloped Subgrade Asbuilt, Biotic Layer Asbuilt	175	11/10/10	A.Bernardi / R.Swabsin / R.Rabufetti / C.Greene	Revise and Resubmit	Subgrade survey incomplete, biotic barrier layer at West Ditch, clay layer less than 15" thick
1050-Clay Cap Asbuilt 2	Closed	11/18/10	A			Clay Cap Final grade asbuilt	187	11/22/10	A.Bernardi / R.Swabsin / R.Rabufetti / N.Garguilo / S.Anderson / C.Greene	Revise and Resubmit	Clay survey incomplete, clay layer less than 15" thick
1050-Clay Cap Asbuilt 3	Closed	11/30/10	A			Clay Cap Final grade asbuilt	192	12/1/10	A.Bernardi / R.Swabsin / R.Rabufetti / S.Anderson / C.Greene	Reviewed Comments as Noted	Clay survey is complete
					2.01 (L.4)	**Final location of any installed or permanently relocated utilities as part of the Work.**					
1050-UG Utility Asbuilt	Closed	10/6/10	0			Underground Utility Asbuilt at North Side of the Wolf Warehouse	151	10/6/10	A.Bernardi / R.Swabsin	Reviewed Comments as Noted	Submit AutoCAD file
1050-Utility and Storm asbuilt	Closed	12/13/10	0			Subsurface Utility and Drainage Swale Asbuilt	200	12/14/10	A.Bernardi / R.Swabsin	Revise and Resubmit	Asbuilt must show the location of all subdrainage system cleanouts
1050-Revised Utility and Storm asbuilt	Closed	12/21/10	A			Revised Subsurface Utility and Drainage Swale Asbuilt	206	12/22/10	A.Bernardi / R.Swabsin	Reviewed no comment	
					2.01 (L.5)	**Locations, inlet and outlet invert elevations of all storm drainage systems and related components**					
1050-Subdrainage System	Closed	10/4/10	0			Subdrainage System As-built	147	10/5/10	A.Bernardi / R.Swabsin	Reviewed no comment	
1050-Tide Gate Asbuilt	Closed	10/6/10	0			West Ditch Tide Gate As-built	154	10/8/10	A.Bernardi / R.Swabsin	Revise and Resubmit	See transmittal cover for list of deficiencies
1050-Tide Gate Asbuilt RevA	Closed	11/12/10	A			West Ditch Tide Gate As-built Revision A	182	11/15/10	A.Bernardi / R.Swabsin	Reviewed no comment	
					2.01 (L.6)	**Locations and elevations of monitoring wells installed or decommissioned in the course of the Work.**					
MWSANDPZS	Closed	12/3/10	0			Locations and elevations of PVC Riser, Well Protector, and Top of Concrete Pad			A.Bernardi / R.Swabsin	Reviewed no comment	text file emailed by KSS 12/3/10. All newly installed monitoring wells have been surveyed and data has been received
					2.01 (L.7)	**Location of the vertical barrrier wall**					
1050-VBW Sheeting Asbuilt	Closed	8/26/10	0			VBW Sheeting Asbuilt	118	9/1/10	A.Bernardi / R.Swabsin	Reviewed no comment	
					2.01 (H) 2.01 (L.8)	**Post-construction topgraphic survey showing as-constructed contours of all disturbed/restored areas, the final site surface features (including elevations and locations of erosion control features, fencing, rim structures, etc.) in a 30ft x 30ft grid**					
1050-Undeveloped Precon Survey	Closed	6/29/10	0			Undeveloped Area Precondition Survey	079	7/7/10	A.Bernardi / R.Swabsin / S.Anderson	Reviewed Comments as Noted	Submit West Ditch Precon survey data with Developed Area Precon Survey
1050-Concrete Cap Asbuilt	Closed	11/12/10	0			Developed Area Concrete Cap As-built	181	11/15/10	A.Bernardi / R.Swabsin / C.Greene	Reviewed no comment	
1050-Various Asbuilts	Closed	12/21/10	0			Final Site Topogrraphy Asbuilt (Undeveloped Area)	205	12/22/10	A.Bernardi / R.Swabsin	Reviewed no Comment	
1050-Final Site Asbuilt	Closed	12/22/	0			Final Site Topogrraphy Asbuilt (with additonal asphalt cap data)	207	12/23/10	A.Bernardi / R.Swabsin	Reviewed no Comment	
				01066		**Decontamination (as necessary)**					
				01090		**Relevant Codes, Regulations, and Standards (as necessary)**					
				01100		**Health and Safety Requirements**					
					1.04 (C)	**Subcontractor Site Specific Health and Safety Plan**					

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1100-01	Closed	3/12/10	0			Sevenson Health and Safety Plan	016	4/2/10	J. Scurek	Revise and Resubmit	See Transmittal 016 for comments
1100-01A	Closed	4/7/10	A			Sevenson Revised Health and Safety Plan	028	4/13/10	J. Scurek	Reviewed no comment	
				01110		**Environmental Protection Procedures**					
					3.03 (E)	**Location of Temporary Storage and Other Construction buildings (if necessary)**					
	Closed										N/A
					3.03 (F)	**Location of Temporary Roads or Emabankments for plant and/or work areas**					
	Closed	3/1/10	0			See drawing SP1 of the Area D sheet pile design calculations					Location of Area I temporary haul road.
	Closed				3.04 (B.2)	**Dust control product samples and manufacturer's literature**					
						Dust Control Products utilized onsite are water and tarps					
				01350		**Submittals**					
					1.09 (A)	**Complete list of Subsidary Contractors**					
	Closed					See Subcontractor Qualifications					
					1.02	**Submittal of Contractor Furnished Shop Drawings, Product Data, and Samples**					
1350-01	Closed	4/20/10	0			Direct Fixation Rail Fastener Model F20 R0	042	4/26/10	B.Keyhl / A.Bernardi	Reviewed No Comments	
1350-02	Closed	5/10/10	0			Concrete Anchor for use with Direct Fixation Rail Fastener Model F20 R0	052	5/13/10	B.Kehyl	Reviewed No Comments	
1350-03	Closed	7/22/10	0			Replacement Precast Wall Panel for the Wolf Warehouse	092	7/23/10	R.Budde	Reviewed No Comments	
1350-04	Closed	7/28/10	0			Shop/Fabrication Drawing for 2500 gallon precast tank and 48" Concrete Sump	095	7/30/10	A.Bernardi / C.Greene / S.Anderson	Revise and Resubmit	Revise and resubmit both the 2500 gallon tanks and the concrete sump
1350-04A	Closed	8/2/10	A			Revised Shop/Fabrication Drawing for 2500 gallon precast tank and 48" Concrete Sump, Concrete Sealant, Joint Sealant, Manhole and Grate frame and cover	098	8/4/10	A.Bernardi / R.Swabsin	Revise and Resubmit	resubmit. manhole frame and cover too large for the tank.
1350-04B	Closed	8/11/10	B			Revisions of Shop/Fabrication drawings for 2500 gallon precast tanks in response to comments on Parsons Transmittal 098	105	8/13/10	R.Swabsin	Reviewed No Comments	
1350-05	Closed	11/2/10	0			Tracks Unlimited Qualifications	167	11/2/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
1350-06	Closed	11/2/10	0			Tilcon Qualifications	169	11/2/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
1350-07	Closed	11/4/10	0			South Shore (Concrete Sealant) Subcontractor Qualifications	172	11/4/10	A.Bernardi	Reviewed No Comments	
1350-08	Closed	11/9/10	0			Envioscapes Subcontractor Qualifications	176	11/10/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
1350-09	Closed	11/15/10	0			Forsa Construction Qualifications	184	11/16/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
1350-10	Closed	12/9/10	0			Carner Bros. Qualifications	198	12/13/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
				01400		**Quality Control**					
						Sevenson Quality Control Plan					
1400-01	Closed	3/5/10	0			Sevenson Quality Control Plan	003	3/24/10	A.Bernardi / R.Swabsin / C.Greene	Revise and Resubmit	
1400-01A	Closed	4/15/10	A			Revised Sevenson Quality Control Plan	035	4/19/10	A.Bernardi / R.Swabsin	Revise and Resubmit	address section VIII, IX, and XI comments from Transmittal 003

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1400-01B	Closed	4/19/10	B			Revised Sevenson Quality Control Plan	038	4/21/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					1.06 (A)	**Company Name, address, and qualifications of Independent Testing Lab (ITL)**					
	Closed	3/23/10	0			Sor Testing Laboratories	006	3/25/10	A.Bernardi / R.Swabsin	No Comments	Submitted under 2200-03
					1.06 (D)	**Daily field reports and testing logs developed and recorded by the ITL**					
	Closed					See associated test reports submitted under 02200/02650					
				01500		**Temporary Facilites and Control (as necessary)**					
				01601		**Control of Materials (as necessary)**					
				02050		**Air Monitoring**					
					1.04 (A.1)	**Air Monitoring Mitigation Measures Work Plan**					
2050-01	Closed	3/12/10	0			Air Monitoring Mitigation Measures Work Plan	005	3/24/10	A.Bernardi / C.Greene	Revise and Resubmit	
2050-01A	Closed	4/7/10	A			Comment Responses for Sevenson Air Monitoring Mitigation Measures Work Plan	025	4/9/10	A.Bernardi / R.Swabsin	Reviewed no comments	
					1.04 (A.2)	**MSDS for Dust or Vapor Controls**					
	Closed					See HgX submittal from Undeveloped Area Construction					Mercury and Dust suppression controls utilized for Developed Area Construction are: Water, tarps, and HgX.
				02100		**Site Preparation**					
	Closed				1.03 (A)	**Clean Fill Certification**					
						See Clean Fill Certifications for Materials submitted under 0220(					
				02120		**Drum Removal**					
					1.04 (A.1)	**Company name, address, and qualifications of analytical laboratory**					
	Closed										N/A
					1.04 (A.2)	**Proposed methods of drum removal activities which may be alternative to the site-specific Drum removal Plan (if necessary)**					
	Closed										N/A
					1.04 (A.3)	**Laboratory test results**					
	Closed										N/A
				02140		**Construction Water Management**					
					1.03 (A)	**Revised Construction Water Management Plan**					
2140-01	Closed	4/5/10	0			Sevenson Construction Water Management Plan	026	4/9/10	A.Bernardi / R.Swabsin	Revise and Resubmit	Parsons has requested pump capacity calculations, shop drawings, and clarification for the need of a sump near the northeast corner of the US Life warehouse
2140-01A	Closed	4/29/10	A			Response to Comments for Revised Construction Water Management Plan	046	5/3/10	A.Bernardi / R.Swabsin	Revise and Resubmit	Resubmit detal page 12/22 in a format which is clear and legible
2140-01B	Closed	5/3/10	B			Response to Comments for Revised Construction Water Management Plan	047	5/6/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
	Closed				1.03 (C)	**Name, address, and qualifications of dewatering subcontractor (if necessary)**					
				02141		**Demolition and Utility Relocations**					
					1.04 (A)	**Utility Relocation Plan**					
2219-01	Closed	3/9/10	0			Sevenson Construction Workplan	004	3/24/10	A.Bernardi / R.Swabsin / C.Greene / L.Perez	Revise and Resubmit	
2219-01A	Closed	4/8/10	A			Response to Comments on Sevenson Construction Workplan	031	4/15/10	A.Bernardi / R.Swabsin / C.Greene / L.Perez	Revise and Resubmit	Clarify Mobilram model #. Revise Section III.C text.

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2219-01B	Closed	4/29/10	B			Response to Comments on Sevenson Construction Workplan	045	5/3/10	A.Bernardi / R.Swabsin	Reviewed comments as noted	Submittal is complete. No further submission is required
					2.03 (B.1)	**Utility pipe bedding material**					
	Closed										These materials are generally supplied with the associated valves/structures
					2.03 (C.1)	**Ductile iron water pipe**					
2141-01	Closed	8/19/10	0			Halstead Copper Water Tube Specifications	108	8/23/10	A.Bernardi / R.Swabsin	Reviewed no comments	
2141-01	Closed	8/19/10	0			Griffin Push-on Joint Ductile Iron Pipe	108	8/23/10	A.Bernardi / R.Swabsin	Reviewed no comments	
					2.03 (C.2.a - C.2.l)	**Ductile iron water pipe joints and couplings**					
2141-01	Closed	8/19/10	0			Griffin Push-on Joint Ductile Iron Pipe	108	8/23/10	A.Bernardi / R.Swabsin	Reviewed no comments	
					2.03 (C.2.m)	**Concrete thrust blocks**					
	Closed										Materials and installation provided and perfomed by United Water
					2.03 (C.2.n)	**Hydrants**					
	Closed										Materials and installation provided and perfomed by United Water
					2.03 (C.2.n)	**Valves**					
2141-01	Closed	8/19/10	0			Mueller Resilient Wedge Gate Valve	108	8/23/10	A.Bernardi / R.Swabsin	Reviewed no comments	
					2.03 (C.2.p)	**Bolts for water main pipe and fittings**					
	Closed										These materials are generally supplied with the associated valves/structures
					2.03 (D)	**Sanitary sewer pipe**					
02141-02	Closed	12/22/10				Schedule 40 PVC pipe Cut Sheets	209	12/23/10	A.Bernardi	Reviewed no comments	
					2.03 (E)	**Gas line pipe bedding material**					
	Closed										Gas line utility trench within VBW was accepted by PSEG and piping installed by PSE&G
					3.07 (C)	**Bacterial and Turbidity Analysis**					
2141-01	Closed	4/21/10	0			Bacterialogical and Turbidity Test Analysis for temp water bypass	041	4/23/10	A.Bernardi / R.Swabsin / C.Greene / L.Perez	Reviewed no comment	Please submit test results to local utility
				02200		**Earthwork**					
					1.03 (A.1)	**Proposed methods of construction including backfilling, compaction, grading, and stormwater control**					
2219-01	Closed	3/9/10	0			Sevenson Construction Workplan	004	3/24/10	A.Bernardi / R.Swabsin / C.Greene / L.Perez	Revise and Resubmit	
2219-01A	Closed	4/8/10	A			Respose to Comments on Sevenson Construction Workplan	031	4/15/10	A.Bernardi / R.Swabsin / C.Greene / L.Perez	Revise and Resubmit	Clarify Mobilram model #. Revise Section III.C text.
2219-01B	Closed	4/29/10	B			Response to Comments on Sevenson Construction Workplan	045	5/3/10	A.Bernardi / R.Swabsin	Reviewed comments as noted	Submittal is complete. No further submission is required
					1.03 (A.2)	**Clean Fill Certification for Various Materials**					
2200-14	Closed	5/6/10	0			Gabion Stone Sizing and Clean Certification Package	050	5/10/10	A.Bernardi / R.Swabsin	Reviewed no comment	Temporary stormwater bypass system sump stone
					2.01 (A)	**I-3 Fill for Excavation Areas C, D, and the Remainder of Area I: Clean Fill Certification, Grain Size (ASTM D422), Moisture (ASTM D2216), Modified Proctor Density (ASTM D1557)**					

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2200-02	Closed	3/18/10	0			I-3 Clean Fill Certification and Gradation	002	3/23/10	A.Bernardi / R.Swabsin	Revise and Resubmit	Closed - Complete package submitted under 02200-05A
2200-05	Closed	3/26/10	0			I-3 Fill Analytical Results	009	3/30/10	A.Bernardi / R.Swabsin	Revise and Resubmit	Closed - Complete package submitted under 02200-05A
2200-05A	Closed	4/5/10	A			I-3 Civil and Analytical Results	023	4/7/10	A.Bernardi / R.Swabsin	Reviewed no comment	
2200-07	Closed	3/31/10	0			I-3 Fill Civil Analysis; I-4 Fill Civil Analysis; Drainage Stone (#57) Fill Civil Analysis; Biotic Barrier Stone Civil Analysis; #2 West Ditch Channel Liner Stone (2.5" stone) Civil Analysis	015	3/31/10	A.Bernardi / R.Swabsin	Revise and Resubmit	I-3 Fill portion is Closed - Complete package submitted under 02200-05A
2200-11	Closed	4/19/10				Area I Onsite Compaction Testing and I-3 QC Sample 1 and 2	037	4/21/10	A.Bernardi / R.Swabsin	Reviewed no comment	QA Samples 0-1000 and 1000-2000
2200-17	Closed	6/22/10	0			I-3 QC samples 3 and 4	073	6/22/10	A.Bernardi / R.Swabsin	Reviewed no comment	QA Samples 2-3000 and 3000-4000
2200-23	Closed	7/22/10	0			I-3 QC Samples 5 and 6	093	7/23/10	A.Bernardi / C.Greene	Reviewed no comment	QA Samples 4-5000 and 5000-6000
2200-26	Closed	8/5/10	0			I-3 QC Samples 7, 8, and 9	100	8/9/10	A.Bernardi / R.Swabsin	Reviewed no comment	QA Samples 6-7000, 7-8000 and 8000-9000
2200-32	Closed	9/20/10	0			I-3 Fill 10th 1000cy sample	134	9/23/10	A.Bernardi	Reviewed no comment	QA Samples 9000-10000
					2.01 (B)	**Common Fill for West Ditch, 55ft Buffer, and Undeveloped Area Subgrade: Clean Fill Certification, Grain Size (ASTM D422), Moisture (ASTM D2216), Modified Proctor (ASTM D1557), In-place Density (ASTM D6938)**					
2200-02	Closed	3/18/10	0			Common Fill Certification and Gradation	002	3/23/10	A.Bernardi / R.Swabsin	Revise and Resubmit	No analytical testing, modified proctor, or moisture content included with this submittal
2200-13	Closed	5/5/10	0			Common Fill Civil and Analytical Package	049	5/7/10	A.Bernardi / R.Swabsin	Comments as Noted	Particle size passing the No.4 and No. 40 sieve is less than specified in 02200 2.01B. Acceptable for use as West Ditch and 55ft Buffer subgrade.
2200-15	Closed	5/18/10	0			Common Fill Sample 0cy-1000cy	054	5/18/10	A.Bernardi / R.Swabsin	Reviewed no comment	
2200-18	Closed	6/23/10	0			Area D Onsite Compaction Testing and Common Fill QC Sample 4	074	6/30/10	A.Bernardi / R.Swabsin	Comments as Noted	Onsite compaction testing frequency needs to be increased
					2.01 (C)	**Clean Sand: Clean Fill Certification, Grain Size (ASTM D422), Moisture (ASTM D2216), Modified Proctor (ASTM D1557)**					
2200-41	Closed	11/2/10				Amboy Aggregates Clean Analytical Testing from Undeveloped Area Construction	168	11/2/10	A.Bernardi / R.Swabsin	Reviewed no comment	not approved for use as excavation backfill
					2.01 (E)	**Tide Gate Rip Rap: Clean Fill Certification and Rip-Rap Sizing (ASTM D5519)**					
2200-06	Closed	3/31/10	0			Rip rap clean cert and sizing (D50=6" and D50=15")	014	3/31/10	A.Bernardi / R.Swabsin	Reviewed no comment	Please proceed with analytical testing
2200-06A	Closed	4/2/10	A			Comment respnses to rip rap clean cert and sizing (D50=6" and D50=15")	017	4/6/10	A.Bernardi / R.Swabsin	Reviewed no comment	Virgin source, submission of analytical testing not required. Rip rap sizing will be inspected by Parsons upon delivery to the site.
2200-42	Closed	11/8/10	0			Rip Sizing and clean fill cert for Oxford Quarry	174	11/9/10	A.Bernardi / R.Swabsin	Reviewed no comment	
					2.01 (F)	**West Ditch Channel Liner No. 2 Stone: Clean Fill Certification and Grain Size (ASTM D422)**					
2200-04	Closed	3/25/10	0			Tilcon Riverdale Quarry Clean Source and Gradation Document	008	3/26/10	A.Bernardi / R.Swabsin	Comments as Noted	No analytical testing submitted
2200-07	Closed	3/31/10	0			I-3 Fill Civil Analysis; I-4 Fill Civil Analysis; Drainage Stone (#57) Fill Civil Analysis; Biotic Barrier Stone Civil Analysis; #2 West Ditch Channel Liner Stone (2.5" stone) Civil Analysis	015	3/31/10	A.Bernardi / R.Swabsin	Revise and Resubmit	Gradation is predominantly finer than 2" and far out of spec.
					2.01 (G)	**I-4 Soil Aggregate Subbase: Clean Fill Certification, Grain Size (ASTM D422), Moisture Content (ASTM D2216), Modified Proctor Density (ASTM D1557), and In-place Density (ASTM D6938)**					

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2200-02	Closed	3/18/10	0			I-4 Clean Fill Certification and Gradation	002	3/23/10	A.Bernardi / R.Swabsin	Revise and Resubmit	No analytical testing, modified proctor, or moisture content included with this submittal
2200-07	Closed	3/31/10	0			I-3 Fill Civil Analysis; I-4 Fill Civil Analysis; Drainage Stone (#57) Fill Civil Analysis; Biotic Barrier Stone Civil Analysis; #2 West Ditch Channel Liner Stone (2.5" stone) Civil Analysis	015	3/31/10	A.Bernardi / R.Swabsin	Reviewed no comment	Please proceed with analytical testing
2200-10	Closed	4/15/10				"I-4, #57, #1, and DGA Stone Analytical and Civil Testing	033	4/19/10	A.Bernardi / R.Swabsin	Comments as Noted	The percent passing the #200 sieve is within 1% of the spec.
2200-30	Closed	8/25/10	0			I-4 Fill 1st, 2nd, and 3rd 1000cy sample	117	9/1/10	A.Bernardi / R.Swabsin	Reviewed no comment	
2200-32	Closed	9/20/10	0			I-4 Fill 4th 1000cy sample	134	9/23/10	A.Bernardi	Reviewed no comment	
2200-46	Closed	11/17/10	0			I-4 Fill 5th and 6th 1000cy sample	186	11/18/10	A.Bernardi / R.Swabsin	Reviewed no comment	
					2.01 (H)	**Drainage Stone: Clean Fill Certification and Gradation**					
2200-02	Closed	3/18/10	0			Drainage Stone (#57) Clean Certification and Gradation	002	3/23/10	A.Bernardi / R.Swabsin	Revise and Resubmit	No analytical testing submitted
2200-07	Closed	3/31/10	0			I-3 Fill Civil Analysis; I-4 Fill Civil Analysis; Drainage Stone (#57) Fill Civil Analysis; Biotic Barrier Stone Civil Analysis; #2 West Ditch Channel Liner Stone (2.5" stone) Civil Analysis	015	3/31/10	A.Bernardi / R.Swabsin	Reviewed no comment	Please proceed with analytical testing
2200-10	Closed	4/15/10	0			"I-4, #57, #1, and DGA Stone Analytical and Civil Testing	033	4/19/10	A.Bernardi / R.Swabsin	Reviewed no comment	
					2.01 (I)	**Biotic Barrier: Clean Fill Certification and Gradation**					
2200-02	Closed	3/18/10	0			Biotic Barrier (Base Stone Type 1) Clean Fill Certification and Gradation	002	3/23/10	A.Bernardi / R.Swabsin	Revise and Resubmit	No analytical testing submitted; Gradation is out of spec
2200-04	Closed	3/25/10	0			Tilcon Riverdale Quarry Clean Source Document	008	3/26/10	A.Bernardi / R.Swabsin	Comments as Noted	Need analytical testing
2200-07	Closed	3/31/10	0			I-3 Fill Civil Analysis; I-4 Fill Civil Analysis; Drainage Stone (#57) Fill Civil Analysis; Biotic Barrier Stone Civil Analysis; #2 West Ditch Channel Liner Stone (2.5" stone) Civil Analysis	015	3/31/10	A.Bernardi / R.Swabsin	Revise and Resubmit	Overall gradation is too fine and far out of spec
2200-10	Closed	4/15/10	0			"I-4, #57, #1, and DGA Stone Analytical and Civil Testing	033	4/19/10	A.Bernardi / R.Swabsin	Revise and Resubmit	Overall gradation is too fine and far out of spec. Analytical testing submitted is complete.
2200-10A	Closed	5/3/10	A			"Biotic Barrier (#1) Stone Civil and Analytical Testing"	048	5/6/10	A.Bernardi / R.Swabsin	Reviewed no comment	
2200-35	Closed	9/29/10	0			"Biotic Barrier (#1) Stone 1st 2nd 3rd 1000CY Test"	143	10/4/10	A.Bernardi / R.Swabsin	Reviewed no comment	
					2.01 (J)	**Dense Grade Aggregate (DGA): Clean Fill Certification, Grain Size (ASTM D422)**					
2200-01	Closed	3/18/10	0			Tilcon Mount Hope Quarry DGA Clean fill certification	001	3/23/10	A.Bernardi / R.Swabsin	Comments as Noted	Requested additional analytical to supplement '09 testing for this new phase of work
2200-04	Closed	3/25/10	0			Tilcon Riverdale Quarry Clean Source Document and Gradation	008	3/26/10	A.Bernardi / R.Swabsin	Revise and Resubmit	Need analytical testing if plan to import to site, gradation out of spec
2200-10	Closed	4/15/10	0			"I-4, #57, #1, and DGA Stone Analytical and Civil Testing	033	4/19/10	A.Bernardi / R.Swabsin	Reviewed no comment	
					2.01 (J)	**Barrier/Separation Layer: Clean Fill Certification, Grain Size (ASTM D422), Modified Proctor Density (ASTM D1557), Tube Permeanter Test (NJAC 7:9-Section 6.2), and In-place Density (ASTM D6938)**					
2200-04	Closed	3/25/10	0			Tilcon Riverdale Quarry Clean Source Document	008	3/26/10	A.Bernardi / R.Swabsin	Comments as Noted	No analytical testing, modified proctor, tube permeanter or moisture content included with this submittal
2200-08	Closed	4/7/10	0			Separation Barrier Fill Maddox Gradation and Modified Proctor Results	024	4/8/10	A.Bernardi / R.Swabsin	Comments as Noted	Please proceed with civil and analytical testing
2200-11	Closed	4/20/10	0			Separation Barrier Fill Maddox Gradation and Modified Proctor Results Civil and Analytical Package with Clean Fill Cert.	039	4/22/10	A.Bernardi / R.Swabsin	Reviewed no comment	
2200-33	Closed	9/21/10	0			Maddox Clay 1st , 2nd , 3rd 1000CY Tests	136	9/23/10	A.Bernardi / R.Swabsin	Revise and Resubmit	Submit Permeabilty Testing Results
2200-34	Closed	9/27/10	0			Maddox Clay 4th, 5th, and 6th 1000CY Tests	139	9/28/10	A.Bernardi / R.Swabsin	Comments as Noted	Parsons acknowledges that S-6 permeability was 1.3x10-5cm/sec
2200-36	Closed	9/30/10	0			Maddox Clay 7th through 12th 1000CY Tests	144	10/4/10	A.Bernardi / R.Swabsin	Comments as Noted	Parsons acknowledges S-8 through S-12 permeability exceeded 10^{-5}
2200-37	Closed	10/1/10	0			Separation Barrier (Maddox Clay) Onsite Compaction Test and In Situ Permeability Testing (compaction cover 3 acres/perm cover 1 acre) and Separation Barrier 1st thru 12th 1000 CY calculation sheets	148	10/6/10	A.Bernardi / R.Swabsin	Reviewed no comment	

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2200-39	Closed	10/26/10	0			Maddox Clay 13th through 15th 1000CY Tests	164	10/27/10	A.Bernardi / R.Swabsin	Reviewed no comment	
2200-40	Closed	11/1/10	0			Maddox Clay 16th through 17th 1000CY Tests and In Place Perm Areas 11, 12, 14	166	11/2/10	A.Bernardi / R.Swabsin	Comments as Noted	this submittal covers the 16th and 17th 1000cy Clay QC sample
2200-45	Closed	11/10/10	0			Maddox Clay 18th through 23th 1000CY Tests	180	11/12/10	A.Bernardi / R.Swabsin	Comments as Noted	Parsons acknowledges permeability exceeded 10^{-5}
2200-47	Closed	11/24/10	0			Maddox Clay 25th thru 29th 1000 CY sample results	190	11/29/30	A.Bernardi / R.Swabsin	Comments as Noted	Parsons acknowledges permeability exceeded 10^{-5}
2200-49	Closed	12/6/10	0			Maddox Clay 30th thru 34th 1000 CY sample results	195	12/7/10	A.Bernardi / R.Swabsin	Comments as Noted	Parsons acknowledges permeability exceeded 10^{-5}
2200-50	Closed	12/14/10	0			Maddox Clay 35th thru 39th 1000 CY sample results	203	12/15/10	A.Bernardi / R.Swabsin	Comments as Noted	Parsons acknowledges permeability exceeded 10^{-5}
					3.04	**Compaction Testing Results**					
2200-11	Closed	4/19/10	0			Area I Onsite Compaction Testing and I-3 QC Sample 1 and 2	037	4/21/10	A.Bernardi / R.Swabsin	Reviewed no comment	Area I elev +3 and +4
2200-18	Closed	6/23/10	0			Area D Onsite Compaction Testing and Common Fill QC Sample 4	074	6/30/10	A.Bernardi / R.Swabsin	Comments as Noted	Submit compaction density data in a timely manner at 1 per 1000sf per lift
2200-20	Closed	7/6/10	0			Area D Onsite Compaction Testing	078	7/6/10	A.Bernardi / R.Swabsin	Reviewed no comment	
2200-21	Closed	7/8/10	0			Area D Onsite Compaction Testing	084	7/9/10	A.Bernardi / R.Swabsin	Reviewed no comment	
2200-22	Closed	7/20/10	0			Area D Onsite Compaction Testing 7/1/10	090	7/22/10	A.Bernardi / C.Greene	Reviewed no comment	
2200-24	Closed	8/2/10	0			Area D Onsite Compaction Testing 7/19/10 and 7/21/10	097	8/3/10	A.Bernardi / R.Swabsin	Reviewed no comment	
2200-25	Closed	8/3/10	0			Area D Onsite Compaction Testing 7/17/10 and 7/28/10	099	8/4/10	A.Bernardi / R.Swabsin	Coments as noted	Requested that SES ensure that the compaction methods in lab write up reflect what was done in the field
2200-27	Closed	8/25/10	0			Onsite Compaction Testing Reports 7/20/10, 7/27/10, and 7/29/10	111	8/25/10	A.Bernardi / R.Swabsin	Reviewed no comment	
2200-28	Closed	8/25/10	0			Onsite Compaction Testing Reports 7/30/10, 7/31/10, and 8/2/10 thru 8/6/10	115	8/30/10	A.Bernardi / R.Swabsin	Reviewed no comment	
2200-29	Closed	8/25/10	0			Onsite Compaction Testing 8/9/10, 8/10/10, 8/12/10, 8/19/10	116	9/1/10	A.Bernardi / R.Swabsin	Comments as Noted	See Transmittal for comments on compaction results
2200-31	Closed	9/1/10	0			Onsite Compaction Testing 8/17/10	128	9/16/10	A.Bernardi / R.Swabsin	Comments as Noted	See Transmittal for comments on compaction results
2200-38	Closed	10/7/10	0			Railroad Excavation Backfill Compaction Testing Results (10/2/10)	152	10/7/10	A.Bernardi / R.Swabsin	Reviewed no comment	
2200-40	Closed	11/1/10	0			Onsite Compaction Testing 10/21/10 (Ethel blvd Subgrade and UA Cap Areas 11, 12, 14)	166	11/2/10	A.Bernardi / R.Swabsin	Comments as Noted	
2200-43	Closed	11/9/10	0			In-place Density and Permeability Testing Results for Undeveloped Area Cap (Areas 6, 7, 8) and West Ditch 55ft Buffer Zone I place Density Testing Results	177	11/10/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
2200-44	Closed	11/10/10	0			Separation Barrier (Maddox Clay) Onsite compaction and insitu permeability Tests (compaction cover 3 acres/perm covers 1 acre 3 insitu permeabilities were performed Areas 2, 4,5, 15)	179	11/11/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
2200-47	Closed	11/19/10	0			Separation Barrier (Maddox Clay) Onsite compaction and insitu permeability Tests (compaction cover 3 acres/perm covers 1 acre 3 insitu permeabilities were performed Areas 6, 9, 13, 16)	189	11/19/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
2200-48	Closed	12/3/10	0			Separation Barrier (Maddox Clay) Onsite compaction and insitu permeability Tests Areas 3, 9, 10, 13, 16)	194	12/6/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
				02219		**Excavation and Soil Handling**					
					1.04 (A)	**Excavation and Soil Handling Plan**					
2219-01	Closed	3/9/10	0			Sevenson Construction Workplan	004	3/24/10	A.Bernardi / R.Swabsin / C.Greene / L.Perez	Revise and Resubmit	
2219-01A	Closed	4/8/10	A			Respose to Comments on Sevenson Construction Workplan	031	4/15/10	A.Bernardi / R.Swabsin / C.Greene / L.Perez	Revise and Resubmit	Clarify Mobilram model #. Revise Section III.C text.
2219-01B	Closed	4/29/10	B			Response to Comments on Sevenson Construction Workplan	045	5/3/10	A.Bernardi / R.Swabsin	Reviewed comments as noted	Submittal is complete. No further submission is required
				02270		**Erosion and Sedimentation Controls**					

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SEVENSON SUBMITTAL NO.	STATUS (OPEN/ CLOSED)	DATE RECEIVED	REVISON NUMBER	SPEC. NO.	SUB SECTION	DESCRIPTION	PARSONS RESPONSE TRANS. NO	DATE OF RESPONSE	REVIEWER (s)	RESPONSE	COMMENTS
						Provide product data for each component to be used in erosion and sedimentation control					
2270-01	Closed	3/23/10	0			Brockton Turbidity Curtain, Mesh back silt fence, supersilt fence, chainlink fencing, construction fencing posts	007	3/26/10	A.Bernardi / R.Swabsin	Revise and Resubmit	Submit chain link fencing and construction fencing material under separate cover
2270-1A	Closed	4/2/10	A			Comment Responses for Erosion Control Materials (previously submitted)	018	4/6/10	A.Bernardi / R.Swabsin / C.Greene	No comments	Erosion control submittals for silt fence, turbidity curtain, and super silt fence is complete
						Provide a description and illustrations showing anticipated stormwater and erosion control measures					
2270-01	Closed	3/23/10	0			Brockton Turbidity Curtain, Mesh back silt fence, supersilt fence, chainlink fencing, construction fencing posts	007	3/26/10	A.Bernardi / R.Swabsin	Revise and Resubmit	revised installation instructions for turbidity curtain and super silt fence.
2270-1A	Closed	4/2/10	A			Comment Responses for Erosion Control Materials (previously submitted)	018	4/6/10	A.Bernardi / R.Swabsin / C.Greene	No comments	revised installation instructions provided in 22700-01A
						Erosion and Sedimentation Control Schedule					
	Closed					See weekly project schedule provided by Sevenso					
				02272		**Geosynthetic Filter Fabric**					
					1.03 (A.1)	**List of manufacturer, proposed fabric type/product name, material properties, and samples of filter fabric with ceritfied test results**					
2272-01	Closed	4/5/10	0			HD Filter Fabric	022	4/7/10	A.Bernardi / R.Swabsin	Reviewed no comment	
2272-02	Closed					See submittal 2272-02					Parsons has deemed FX - 60HS as suitable in both HD and LD usage
	Closed				1.03 (A.2)	**Installation Schedule**					
						See SES weekly construction schedule and Parsons Developed Area Issued for Construction Drawings					
					2.03 (A.1)	**Roll Identification Information**					
QC Daily 4/6/10						Lot #'s are provided with delivery tickets which are submitted with SES daily QC reports					
					2.03 (A.2)	**Quality Control Certificates**					
2272-02	Closed	4/15/10	0			FX – 60HS Filter Fabric Quality Control Certification for Rolls Onsite	036	4/19/10	A.Bernardi / R.Swabsin	Reviewed comments as noted	Parsons has deemed FX - 60HS as suitable in both HD and LD usage
				02457		**Temporary Sheet Piling**					
					1.05 (A.1)	**Pile product material certificate**					
02457-02	Closed	4/28/10				Mill Certificates and Sheet Pile Properties	044	5/3/10	A.Bernardi / R.Swabsin	Reviewed comments as noted	Temp sheeting is same manufacturer and type as the permanent sheeting.
					1.05 (A.2)	**Joint sealant material certificate**					
	Closed					See 02460/02465-01 and 02460/02465-01B					
					1.05 (A.3)	**Wale, strut/or tieback material dimensions and properties**					
02457-03	Closed	5/17/10	0			Maybe Temporary Shoring System	055	5/18/10	A.Bernardi / R.Swabsin	Reviewed no comment	
02457-03A	Closed	7/7/10	A			Revised Area D-4 Mabey Temporary Bracing Details and Calculation	080	7/8/10	A.Bernardi / R.Swabsin	Reviewed comments as noted	SES to provide clarification from Mabey Bridge and Shore that the detail shown on page 7 of the calculation package is required.
					1.05 (B.1)	**Shoring Design signed by a NJ PE**					
	Closed	2/22/10	0			Sheet Piling Excavation Support - Design Calculations Excavation Area D				Revise and Resubmit	

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	Closed	3/1/10	1			Sheet Piling Excavation Support - Design Calculations Excavation Area D					Area D sheet pile design was revised based on comments provided by Parsons submittal review. Parsons provided comments via email to expediate resubmittal. Design currently pending review and comment from NS RR
2457-01	Closed	4/13/10	1			Temporary Sheetpile design and installation/extraction plan (Area D)					Awaiting signed sealed copy from Glynn
2457-01A	Closed	5/12/10	2			Revised temporary Sheet Pile Plan Area D-4	053		A.Bernardi / R.Swabsin	Reviewed no comment	
					1.05 (B.2)	**Proposed Installation methods for Sheet Piles, Sealant, and Bracing System**					
2219-01	Closed	3/9/10	0			Sevenson Construction Workplan	004	3/24/10	A.Bernardi / R.Swabsin / C.Greene / L.Perez	Revise and Resubmit	
2219-01A	Closed	4/8/10	A			Respose to Comments on Sevenson Construction Workplan	031	4/15/10	A.Bernardi / R.Swabsin / C.Greene / L.Perez	Revise and Resubmit	Clarify Mobilram model #. Revise Section III.C text.
2219-01B	Closed	4/29/10	B			Response to Comments on Sevenson Construction Workplan	045	5/3/10	A.Bernardi / R.Swabsin	Reviewed comments as noted	Submittal is complete. No further submission is required
					1.05 (B.3)	**Pile Driving Equipment Cut Sheet**					
2460/2465-05	Closed	4/13/10	0			ABI Mobilram Equipment Specification Sheet	030	4/15/10	A.Bernardi / R.Swabsin	Reviewed No Comments	Same equipment used for vertical barrier wall and tide gate installation
					1.05 (B.4)	**Installation Schedule**					
2219-01	Closed	3/9/10	0			Sevenson Construction Workplan	004	3/24/10	A.Bernardi / R.Swabsin / C.Greene / L.Perez	Revise and Resubmit	
2219-01A	Closed	4/8/10	A			Respose to Comments on Sevenson Construction Workplan	031	4/15/10	A.Bernardi / R.Swabsin / C.Greene / L.Perez	Revise and Resubmit	Clarify Mobilram model #. Revise Section III.C text.
2219-01B	Closed	4/29/10	B			Response to Comments on Sevenson Construction Workplan	045	5/3/10	A.Bernardi / R.Swabsin	Reviewed comments as noted	Submittal is complete. No further submission is required
	Closed				1.05 (B.6)	**Names and Resumes of New Field Personnel Performing the Sheet Pile Installation (if applicable)**					This submittal has been waived. Sevenson will be using the same crew and foreman enlisted during Undeveloped Area Construction.
					1.05 (B.8)	**Quality Control Program Plan**					Procedures for installation, removal, repairs, and panel conections.
2219-01	Closed	3/9/10	0			Sevenson Construction Workplan	004	3/24/10	A.Bernardi / R.Swabsin / C.Greene / L.Perez	Revise and Resubmit	
2219-01A	Closed	4/8/10	A			Respose to Comments on Sevenson Construction Workplan	031	4/15/10	A.Bernardi / R.Swabsin / C.Greene / L.Perez	Revise and Resubmit	Clarify Mobilram model #. Revise Section III.C text.
2219-01B	Closed	4/29/10	B			Response to Comments on Sevenson Construction Workplan	045	5/3/10	A.Bernardi / R.Swabsin	Reviewed comments as noted	Submittal is complete. No further submission is required
					1.05 (B.9)	**Requested exceptions to or Variances from the Drawings, Specs, and Scope of Work (if applicable)**					
	Closed										
					1.05 (C.1)	**Proposed layout of the Temporary Sheet Pile System**					

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	Closed	3/1/10	0			Sheet Piling Excavation Support - Design Calculations Excavation Area D - SP-1, SP-2, SP-3, SP-4					Area D sheet pile design was revised based on comments provided by Parsons submittal review. Parsons provided comments via email to expediate resubmittal. Design currently pending review and comment from NS RR
2457-01A	Closed	5/12/10	2			Revised temporary Sheet Pile Plan Area D-4	053		A.Bernardi / R.Swabsin	Reviewed no comment	Design has been approved by Norfolk Southern Railroad
2457-01B	Closed	7/7/10	B			Revised Area D Temporary Sheet Pile Plan	082	7/8/10	A.Bernardi / R.Swabsin / C.Greene / L.Perez	Reviewed no comment	
					1.05 (C.2)	**Shoring and Bracing Details**					
	Closed	3/1/10	0			Sheet Piling Excavation Support - Design Calculations Excavation Area D - SP-4					Area D sheet pile design was revised based on comments provided by Parsons submittal review. Parsons provided comments via email to expediate resubmittal. Design currently pending review and comment from NS RR
2457-01A	Closed	5/12/10	2			Revised temporary Sheet Pile Plan Area D-4	053		A.Bernardi / R.Swabsin	Reviewed no comment	
2457-05	Closed	6/2/10	0			Temporary Shoring and Bracing System Shop Drawings	063	6/7/10	A.Bernardi / R.Swabsin / R.Budde	Reviewed No Comments	
2457-05A	Closed	6/22/10	A			Temporary Shoring and Bracing System Shop Drawings for Area D-16 Revised	77	7/1/10	R.Budde	Reviewed No Comments	
2457-04A	Closed	7/22/10	A			Revised mabey Shop Drawings for D-7, D-10, D-12, and D-14	094	7/26/10	R.Budde	Reviewed No Comments	
					1.05 (C.3)	**Steel Sheetpile Panel Connection Details**					
	Closed					See Parsons Issued for Construction Drawing C-021 for Panel Connection Detail					
					1.05 (D)	**Complete Driving and Extraction Record**					
	Closed					See 3/31/10 SES QC Daily Report for Area I sheetpile driving					Area I Sheetpile driving records are complete
2457-06	Closed	9/2/10	0			Area D Sheetpile Driving Log	130	9/16/10	A.Bernardi / R.Swabsin	Revise and Resubmit	Does not document the completion of tepmorary sheetpile driving
2457-06A	Closed	9/2/10	0			Area D Sheetpile Driving Log	141	9/29/10	A.Bernardi / R.Swabsin	Reviewed No Comment	
				02460		**Vertical Barrier Wall Sheet Piling**					
					1.05 (A.1)	**Pile product material mill certificate**					
0246/02465-02	Closed	3/26/10	0			Mill Certificates for Tide Gate and Vertical Barrier Wall Sheet Piles	011	3/31/10	A.Bernardi / R.Swabsin / C.Greene	Revise and Resubmit	Resubmit with section properties of AZ19-700 included 1.05 A.1
0246/02465-02A	Closed	4/6/10	A			Vertical Barrier Wall/Tide Gate Sheetpile Section Properties	021	4/7/10	A.Bernardi / R.Swabsin	Comments as Noted	satisfies the request for additional product data submitted in transmittal 011
					1.05 (A.2)	**Joint Sealant material certificate**					
02460-02465-01	Closed	3/26/10	0			De Neef Swellseal WA Product data	010	3/30/10	A.Bernardi / R.Swabsin / C.Greene	Revise and Resubmit	information listed below under one cover per 02460 1.05 A.2
02460-02465-01B	Closed	4/22/10	B			Comment Responses for Deneef and Carboline MSDS and Chemical Composition	040	4/23/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
02460-01B	Closed	5/28/10	B			De Neef Swellseal WA Product Manufacturer's Recommendation Letter	062			Due to time constraint, CG emailed Parsons submittal comments to SES/Dow on 5/28/10	Need concurrence from Deneef that bead installation method is equivalenvt or better than tooling method. QA procedures prior to and during sheet installation. Recommended repair procedures.
02460-01C	Closed	5/28/10	C			De Neef Swellseal WA Product Manufacturer's Recommendation Letter	062		A.Bernardi / R.Swabsin / C.Greene	Reviewed Comments as Noted	

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02460-01D	Closed	6/9/10	D			De Neef Swellseal WA Product Manufacturer's Recommendation Letter	066	6/14/10	A.Bernardi / R.Swabsin	Reviewed Comments as Noted	Requested that material certification, lot number, and expiration be provided by box.
					1.05 (A.3)	**Coating material certificate**					
02460-02465-01	Closed	3/26/10	0			Coal Tar Epoxy Coating Product Data	010	3/30/10	A.Bernardi / R.Swabsin / C.Greene	Revise and Resubmit	Submit coal tar epoxy information listed below under one cover per 02460 1.05 A.3 and 02465 1.05 A.2
02460-02465-04	Closed	3/27/10	0			Coating Inspection Reports through 3/18/10	013	4/1/10	A.Bernardi / R.Swabsin / C.Greene	Comments as Noted	Submittal will be ongoing as sheets are coated in the shop. Submittal is required before sheets are delivered to the Site
02460-02465-01A	Closed	4/14/10	A			Revised Coating Inspection Reports and Welding Certifications	034	4/19/10	A.Bernardi / R.Swabsin	Revise and Resubmit	Coating inspection report submittal is complete
02460-02465-01B	Closed	4/22/10	B			Comment Responses for Deneef and Carboline MSDS and Chemical Composition	040	4/23/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					1.05 (A.4)	**Welding Certificates**					
02460-02465-01	Closed	3/26/10	0			Welding Cerificates	010	3/30/10	A.Bernardi / R.Swabsin / C.Greene	Revise and Resubmit	Submit welding inspection and testing records for shop welds with copies of certifications for personnel and procedures provided under 2460/2465-01 prior to delivery of sheet piles to the site, under one cover per 02460 1.05 A.4 and 02465 1.05 A.3.
02460-02465-01A	Closed	4/14/10	A			Revised Coating Inspection Reports and Welding Certifications	034	4/19/10	A.Bernardi / R.Swabsin	Revise and Resubmit	Welding Certification is Complete
02460-02465-01B	Closed	4/22/10	B			Comment Responses for Deneef and Carboline MSDS and Chemical Composition	040	4/23/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					1.05 (B.1)	**Proposed Installation methods for Sheet Piles, Joint Sealant, and Proposed Pile Driving Equipment**					
2460/2465-05	Closed	4/13/10	0			ABI Mobilram Equipment Specification Sheet	030	4/15/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					1.05 (B.2)	**Installation Schedule**					
02460-01	Closed	5/19/10	0			Vertical Barrier Wall Installation Plan	057	4/21/10	A.Bernardi / R.Swabsin / C.Greene / S.Ali	Revise and Resubmit	See Transmittal for Comments
02460-01A	Closed	5/27/10	A			Revised Vertical Barrier Wall Installation Plan	060	6/1/10	A.Bernardi / R.Swabsin / C.Greene / S.Ali	Revise and Resubmit	Revise handling hole closure procedure.
02460-01E	Closed	6/16/10	E			Proposed Gasket Material for Handling Hole Repair	069	6/21/10	A.Bernardi / R.Swabsin	Revise and Resubmit	Need to provide additional detail for handling hole closure method and materials
02460-01F	Closed	6/21/10	F			Handling Hole Closure Revision to Vertical Barrier Wall Installation Plan	070	6/22/10	A.Bernardi / R.Swabsin	Reviewed No Comments	No further submission required for Vertical Barrier Wall Installation Plan
					1.05 (B.3)	**Names and Resumes of Field Crew Foreman and Installation Crew**					
	Closed					Same field crew and foreman used for Area I sheet pile installation no submission necessa					
					1.05 (B.4)	**Documentation that Contractor has contacted sheet pile and joint sealant manufacturers to review installation and QC procedures**					
02465-03B	Closed	4/8/10	B			Comment responses to Tide Gate Installation Plan comments	029	4/13/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					1.05 (B.5)	**Contractor's Quality Control Program Plan**					
02460-01	Closed	5/19/10	0			Vertical Barrier Wall Installation Plan	057	4/21/10	A.Bernardi / R.Swabsin / C.Greene / S.Ali	Revise and Resubmit	See Transmittal for Comments

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02460-01A	Closed	5/27/10	A			Revised Vertical Barrier Wall Installation Plan	060	6/1/10	A.Bernardi / R.Swabsin / C.Greene / S.Ali	Revise and Resubmit	Revise handling hole closure procedure.
02460-01E	Closed	6/16/10	E			Proposed Gasket Material for Handling Hole Repair	069	6/21/10	A.Bernardi / R.Swabsin	Revise and Resubmit	Need to provide additional detail for handling hole closure method and materials
02460-01F	Closed	6/21/10	F			Handling Hole Closure Revision to Vertical Barrier Wall Installation Plan	070	6/22/10	A.Bernardi / R.Swabsin	Reviewed No Comments	No further submission required for Vertical Barrier Wall Installation Plan
					1.05 (B.6)	**Requested exceptions to or Variances from the Drawings, Specs, and Scope of Work (if applicable)**					
	Closed										
					1.05 (C.1)	**Proposed Layout of the Vertical Barrier Wall**					
02460-01	Closed	5/19/10	0			Vertical Barrier Wall Installation Plan	057	4/21/10	A.Bernardi / R.Swabsin / C.Greene / S.Ali	Revise and Resubmit	See Transmittal for Comments
02460-01A	Closed	5/27/10	A			Revised Vertical Barrier Wall Installation Plan	060	6/1/10	A.Bernardi / R.Swabsin / C.Greene / S.Ali	Revise and Resubmit	Revise handling hole closure procedure.
02460-01E	Closed	6/16/10	E			Proposed Gasket Material for Handling Hole Repair	069	6/21/10	A.Bernardi / R.Swabsin	Revise and Resubmit	Need to provide additional detail for handling hole closure method and materials
02460-01F	Closed	6/21/10	F			Handling Hole Closure Revision to Vertical Barrier Wall Installation Plan	070	6/22/10	A.Bernardi / R.Swabsin	Reviewed No Comments	No further submission required for Vertical Barrier Wall Installation Plan
					1.05 (C.2)	**Utility Crossing Details**					
02460-01G	Closed	6/28/10	0			Utility Crossing Addendum to VBW Plan	081	7/8/10	A.Bernardi / R.Swabsin / C.Greene	Revise and Resubmit	See Transmittal for Comments
02460-01H	Closed	7/15/10	1			Responses to Comments Utility Crossing Addendum to VBW Plan	088	7/16/10	A.Bernardi / C.Greene	Comments as Noted	SES to provide additional Link Seal information under separate cover and respond to "follow up submittals"
02460-01I	Closed	10/12/10	0			Additional Linkseal and Pipe Sleeve Documentation	156	10/14/10	A.Bernardi / R.Swabsin		
					3.05 (C)	**Complete Driving and Extraction Record**					
2460-02	Closed	9/2/10	0			Vertical Barrier Wall Sheet Pile Driving Log	133	9/20/10	A.Bernardi / R.Swabsin	Revise and Resubmit	See Transmittal for corrections necessary
2460-02A	Closed	10/12/10	1			Revised Vertical Barrier Wall Sheet Pile Driving Log	157	10/14/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
				02465		**Tide Gate**					
					1.05 (A.1)	**Pile product material mill certificate**					
0246/02465-02	Closed	3/26/10	0			Mill Certificates for Tide Gate and Vertical Barrier Wall Sheet Piles	011	3/31/10	A.Bernardi / R.Swabsin / C.Greene	Revise and Resubmit	Resubmit with section properties of AZ19-700 included 1.05 A.1
0246/02465-02A	Closed	4/6/10	A			Vertical Barrier Wall/Tide Gate Sheetpile Section Properties	021	4/7/10	A.Bernardi / R.Swabsin	Comments as Noted	satisfies the request for additional product data submitted in transmittal 011
					1.05 (A.2)	**Coal Tar Epoxy Coating material certificate**					
02460-02465-01	Closed	3/26/10	0			Coal Tar Epoxy Coating Product Data	010	3/30/10	A.Bernardi / R.Swabsin / C.Greene	Revise and Resubmit	Submit coal tar epoxy information listed below under one cover per 02460 1.05 A.3 and 02465 1.05 A.2
02460-02465-04	Closed	3/27/10	0			Coating Inspection Reports through 3/18/10	013	4/1/10	A.Bernardi / R.Swabsin / C.Greene	Comments as Noted	Coating inspection reports will be submitted prior to coated sheets arriving at the site
02460-02465-01A	Closed	4/14/10	A			Revised Coating Inspection Reports and Welding Certifications	034	4/19/10	A.Bernardi / R.Swabsin	Revise and Resubmit	Coating inspection report submittal is complete

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02460-02465-01B	Closed	4/22/10	B			Comment Responses for Deneef and Carboline MSDS and Chemical Composition	040	4/23/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					1.05 (A.3)	**Welding Certificates**					
02460-02465-01	Closed	3/26/10	0			Welding Certificates	010	3/30/10	A.Bernardi / R.Swabsin / C.Greene	Revise and Resubmit	Submit welding inspection and testing records for shop welds with copies of certifications for personnel and procedures provided under 2460/2465-01 prior to delivery of sheet piles to the site, under one cover per 02460 1.05 A.4 and 02465 1.05 A.3.
02460-02465-01A	Closed	4/14/10	A			Revised Coating Inspection Reports and Welding Certifications	034	4/19/10	A.Bernardi / R.Swabsin	Revise and Resubmit	Welding Certification is Complete
02460-02465-01B	Closed	4/22/10	B			Comment Responses for Deneef and Carboline MSDS and Chemical Composition	040	4/23/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					1.05 (A.4)	**Joint Sealant material certificate**					
02460-02465-01	Closed	3/26/10	0			DeNeef Swellseal WA product Data	010	3/30/10	A.Bernardi / R.Swabsin / C.Greene	Revise and Resubmit	Submit interlock sealant information listed below under one cover per 02460 1.05 A.2 and 02465 1.05 A.4
02460-02465-01B	Closed	4/22/10	B			Comment Responses for Deneef and Carboline MSDS and Chemical Composition	040	4/23/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					1.05 (B.1)	**Proposed Installation methods for Sheet Piles, Joint Sealant, and Proposed Pile Driving Equipment**					
02465-03	Closed	3/26/10	0			Tide Gate Installation Plan	011	3/31/10	A.Bernardi / R.Swabsin / C.Greene	Revise and Resubmit	see transmittal 011 comments
02465-03A	Closed	4/2/10	A			Comment responses to Tide Gate Installation Plan comments	019	4/6/10	A.Bernardi / R.Swabsin / C.Greene	Revise and Resubmit	comments 1 and 11 from transmittal 011 were not addressed
02465-03B	Closed	4/8/10	B			Comment responses to Tide Gate Installation Plan comments	029	4/13/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
2460/2465-05	Closed	4/13/10	0			ABI Mobilram Equipment Specification Sheet	030	4/15/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					1.05 (B.2)	**Installation Schedule**					
02465-03	Closed	3/26/10	0			Tide Gate Installation Plan	011	3/31/10	A.Bernardi / R.Swabsin / C.Greene	Revise and Resubmit	see transmittal 011 comments
02465-03A	Closed	4/2/10	A			Comment responses to Tide Gate Installation Plan comments	019	4/6/10	A.Bernardi / R.Swabsin / C.Greene	Revise and Resubmit	comments 1 and 11 from transmittal 011 were not addressed
02465-03B	Closed	4/8/10	B			Comment responses to Tide Gate Installation Plan comments	029	4/13/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					1.05 (B.3)	**Names and Resumes of Field Crew Foreman and Installation Crew**					
	Closed					Same field crew and foreman used for Area I sheet pile installation no submission necessar					
					1.05 (B.4)	**Documentation that Contractor has contacted sheet pile and joint Sealant manufacturers to review installation and QC procedures**					
02465-03B	Closed	4/8/10	B			Comment responses to Tide Gate Installation Plan comments	029	4/13/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					1.05 (B.5)	**Contractor's Quality Control Program Plan**					
02465-03B	Closed	4/8/10	B			Comment responses to Tide Gate Installation Plan comments	029	4/13/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					1.05 (B.6)	**Requested exceptions to or Variances from the Drawings, Specs, and Scope of Work (if applicable)**					
2465-10	Closed	12/15/10	0			Alternate tie back connection detail	204	12/16/10	A.Bernardi / R.Swabsin	Comments as Noted	SES used Kelligrout epoxy as opposed to concrete covering to anchor RCP tie backs
	Closed				1.05 (C.1)	**Proposed Layout of the Tide Gate Steel Sheetpile System**					Waived. See CG email to RE Jr. dated 3/26/10, Titled "OU-1 Tide Gate Sheet Piles"

Table 4-2 Developed Area Construction Submittal Log
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					1.05 (C.2)	**RCP Culvert Crossing Shop Drawing**					
2465-03	Closed	7/12/10	0			24" and 12" RCP Class IV Product data sheets	085	7/13/10	A.Bernardi / R.Swabsin	Revsie and Resubmit	12" pipe must be Class V RCP pipe. Total length of pipe and flared end section must be as shown in C-008 and C-015.
2465-03A	Closed	7/21/10	A			Comment responses for 2465-03	089	7/22/10	A.Bernardi / C.Greene	Reviewed No Comments	
2465-04	Closed	8/5/10	0			Rebar Shop Drawing for Cage around RCP upstream end at Tide Gate	101	8/9/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					1.05 (C.3)	**Flared End Pipe Section and Flexible Boot Valve Connections and Details/Manufacturer Catalog Cuts**					
02465-02	Closed	6/2/10	0			Tide Gate Flex Check Valves	061	6/2/10	A.Bernardi / R.Swabsin / S.Anderson	Comments as Noted	TF-1 must accommodate a 24in pipe and installed according to manufacturer's instructions
2465-03	Closed	7/12/10	0			24" and 12" RCP Class IV Product data sheets	085	7/13/10	A.Bernardi / C.Greene	Revise and Resubmit	
2465-03A	Closed	7/21/10	A			Comment responses for 2465-03	089	7/22/10	A.Bernardi / C.Greene	Reviewed No Comments	
2465-06	Closed	8/24/10	0			Epoxy for anchoring tie backs onto the RCP	109	8/25/10	A.Bernardi / R.Swabsin	Comments as Noted	MSDS Sheet missing
2465-07	Closed	8/25/10	0			Tide Gate Attachement Hardware	110	8/25/10	A.Bernardi / R.Swabsin	Comments as Noted	submit nuts and washers
2465-09	Closed	10/1/10	0			Trash Rack	145	10/4/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					3.05 (C)	**Complete Driving and Extraction Record**					
2465-08	Closed	9/2/10	0			Tide Gate Sheetpile Driving Log	131	9/16/10	A.Bernardi / R.Swabsin	Revise and Resubmit	need to submit a complete driving record
2465-08a	Closed	9/28/10	0			Tide Gate Sheetpile Driving Log	140	9/29/10	A.Bernardi / R/Swabsin	Reviewed No Comments	
				02490		**Geotechnical Instrumentation and Monitoring**					
					1.07 (A)	**Instrumentation and Monitoring Plan**					required for supplementary instrumentation oustside of spec
	Closed										
					1.07 (B)	**Instrument and Monitoring Installation Report**					required for instruments installed by the Subcontractor
	Closed										
					1.05 (C)	**Data collected by Subcontractor instrumentation**					required within 48 hours of collection
	Closed					See Parsons daily Geotchnical Monitoring Report					
					1.09 (A)	**Quality Control Program Workplan**					
	Closed										N/A
	Closed				1.09 (B)	**Survey Data**					
						See Parsons daily Construction Monitoring Report					
					3.05 (C.1)	**Groundwater control and temporary relief operations report**					
	Closed					See Sevenson Daily Progress and Daily QC Reports					
					3.05 (C.2)	**Support system construction activities summary**					
	Closed					See Sevenson Daily Progress and Daily QC Reports					
					3.05 (C.3)	**Excavation and filling operations summary**					
	Closed					See Sevenson Daily Progress and Daily QC Reports					
					3.05 (C.4)	**Other activities not related to excavation, support, or filling**					
	Closed					See Sevenson Daily Progress and Daily QC Reports					
					3.05 (C.5)	**Unusual events that may have affected instrumentation readings**					
	Closed					See Sevenson Daily Progress and Daily QC Reports					
					3.05 (C.6)	**Cross section at each inclinometer location**					
	Closed										Inclinometers were not part of the Construction Monitoring and Mitigation Plan
				02521		**Well Installation and Abandonment**					
					1.04 (A)	**Well Completion and Abandonement Forms**					

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02521-01	Closed	6/28/10	0			MW-9, MW-13, MW-15 Well Abandonment Reports	076	7/1/10	A.Bernardi / R.Swabsin	Reviewed no comments	
						Other					
02521-02	Closed	8/27/10	0			Watertight Monitoring Well Manhole	120	9/3/10	A.Bernardi / R.Swabsin	Revise and Resubmit	Formally submit product data for the Morrison 519 well cover
02521-02A	Closed	10/12/10	0			Watertight Monitoring Well Manhole	158	10/14/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
				02620		**Sub Drainage System**					
					1.02 (A)	**HDPE Pipe**					
2620-01	Closed	7/8/10	0			Sub Drainage System Piping and Fittings Material Sheets	083	7/9/10	A.Bernardi / R.Swabsin	Reviewed no comments	
					1.02 (A)	**Clean Outs**					
2620-01	Closed	7/8/10	0			Sub Drainage System Piping and Fittings Material Sheets	083	7/9/10	A.Bernardi / R.Swabsin	Revise and Resubmit	See Transmittal for Comments
2620-01A	Closed	7/14/10	A			Detail to Address Comments from 2620-01	086	7/14/10	A.Bernardi / R.Swabsin	Revise and Resubmit	
2620-01B	Closed	7/20/10	B			Comment Responses for Sub Drainage Frame and Cover	091	7/22/10	A.Bernardi / S.Anderson	Comments as Noted	Parsons recommends 4181 Mod (6 1/2" riser)
					1.02 (A)	**Fittings**					
2620-01	Closed	7/8/10	0			Sub Drainage System Piping and Fittings Material Sheets	083	7/9/10	A.Bernardi / R.Swabsin	Reviewed no comments	
					1.02 (A)	**Geotextile Fabric**					
2272-02	Closed	4/15/10	0			FX – 60HS Filter Fabric Quality Control Certification for Rolls Onsite	036	4/19/10	A.Bernardi / R.Swabsin	Reviewed comments as noted	Parsons has deemed FX - 60HS as suitable in both HD and LD usage
				02740		**Asphalt Concrete Pavement**					
					1.03 (B)	**Asphalt Concrete Surface Course Mix Design**					
2740-01	Closed	10/4/10	0			Asphalt Mix Desings and Tack Coart MSDS	149	10/6/10	A.Bernardi / R.Swabsin	Reviewed no comments	
					1.03 (B)	**Asphalt Concrete Base Course Mix Design**					
2740-01	Closed	10/4/10	0			Asphalt Mix Desings and Tack Coart MSDS	149	10/6/10	A.Bernardi / R.Swabsin	Reviewed no comments	
					3.08 (B)	**Quality Control Plan**					
2740-02	Closed	11/3/10	0			Asphalt Test Results	170	11/4/10	A.Bernardi / R.Swabsin	Reviewed no comments	
2740-03	Closed	12/7/10	0			QC Plan Addendum	197	12/8/10	A.Bernardi / R.Swabsin	Reviewed no comments	
				02750		**Reinforced Concrete Pavement**					
					1.03 (B)	**Joint Filler**					
2750-03	Closed	8/10/11	0			Forsa Curing-Joint Material-Removable Plastic Cap Material	103	8/13/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					1.03 (B)	**Admixtures**					
2750-02	Closed	8/9/10	0			Concrete Mix Design Package	102	8/11/10	A.Bernardi / R.Swabsin	Reviewed Comments as Noted	Submit msds sheets
2750-06	Closed	9/2/10	0			Retarding Admixture for Concrete	122	9/8/10	R.Swabsin	Reviewed No Comments	
					1.03 (B)	**Sealant**					
2750-01	Closed	7/28/10	0			Diamond Clear Vox (curing and sealing compound)	-			Revise and Resubmit	verbally not approved
2750-07	Closed	9/2/10	0			Baracade WB 244	123	9/8/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					1.03 (B)	**Curing Compounds**					
2750-01	Closed	7/28/10	0			Diamond Clear Vox (curing and sealing compound)	103	8/13/10	A.Bernardi / R.Swabsin		Curing compound is not to be used
2750-03	Closed	8/10/11	0			Forsa Curing-Joint Material-Removable Plastic Cap Material	103	8/13/10	A.Bernardi / R.Swabsin		Curing compound is not to be used
					1.03 (C)	**Reinforcing Steel layout Plan**					
2750-05	Closed	8/17/10	0			Rebar Shop Drawings	107	8/18/10	A.Bernardi / R.Swabsin / C.Greene / D.Young	Revise and Resubmit	
2750-05A	Closed	8/25/10	A			Revised Rebar Shop Drawings	112	8/26/20	A.Bernardi / R.Swabsin	Reviewed Comments as Noted	Haunch at Northeast corner of vertical barrier wall is 90 degree not diagonal

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2750-05B	Closed	9/1/10	B			Revised Rebar Shop Drawings	126	9/15/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					1.03 (D)	**Concrete Mix Design**					
2750-02	Closed	8/9/10	0			Concrete Mix Design Package	102	8/11/10	A.Bernardi / R.Swabsin	Reviewed Comments as Noted	MSDS of admixtures missing
						Other					
2750-04	Closed	8/12/10	0			Forsa Construction/Control Joint Location Drawing	104	8/13/10	R.Swabsin	Reviewed No Comments	
2750-08	Closed	9/10/10	0			Concrete Stair Detail	l32	9/17/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
2750-09	Closed	9/13/10	0			Concrete Test Report for Concrete pour on 9/2/10	127	9/15/10	A.Bernardi / R.Swabsin	Reviewed Comments as Noted	7 day breaks were below 3150 psi. please break hold cylinders at 14 days
2750-10	Closed	9/21/10	0			Concrete Test Report for Concrete pour on 9/7/10, 9/8/10, and 9/10/10	135	9/23/10	A.Bernardi / R.Swabsin	Reviewed Comments as Noted	Please break 9/7/10 hold cylinder at 14 days. 7 day break was below 3150psi
2750-11	Closed	9/27/10	0			Concrete Test Report for Concrete pour on 9/2/10 and 9/14/10	139	9/28/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
2750-12	Closed	9/29/10	0			Concrete Repair Mortar	142	10/1/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
2750-13	Closed	10/5/10	0			28 Day Concrete Test Report for pour on 9/2/10	150	10/6/10	A.Bernardi / R.Swabsin	Reviewed No Comments	28 day break data below 4500psi. Sor to retain one cylinder for break at 56 days
2750-14	Closed	10/7/10	0			Concrete Test Results (7 day breaks for 9/20/10,9/21/10,9/22/10 pours and 28 day breaks for 9/17/10 pour)	153	10/8/10	A.Bernardi / R.Swabsin	Reviewed Comments as Noted	7 day break for 9/20/10 pour did not achieve 3150psi, 28 day break for 9/7/10 pour exceedaed 4500psi
2750-15	Closed	10/8/10	0			Concrete Test Results (28 day break for 9/8/10 and 9/10/10 pour)	155	10/12/10	A.Bernardi / C.Greene	Reviewed Comments as Noted	Retain and break cylinders of set 10 remaining at 56 days
2750-16	Closed	10/18/10	0			Concrete Test Results (7 and 28 day break for 9/15/10 pour)	159	10/19/10	A.Bernardi / R.Swabsin	Reviewed Coments as Noted	Please confirm the total volume of concrete delivered on 9/15/10
2750-17	Closed	10/25/10	0			Concrete Test Results (7 and 28 day break for 9/14/10 and 9/16/10 pour)	162	10/27/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
2750-18	Closed	10/26/10	0			Concrete Test Results (7, 14 and 28 day Break Results for 9/20/10, 9/21/10, 9/22/10, 9/23/10, 9/24/10, and 10/7/10 Pours)"	163	10/27/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
2750-19	Closed	11/3/10	0			Concrete Test Results (28 day Break Results for 9/15/10 and 56 day break for 9/2/10)"	171	11/4/10	A.Bernardi / R.Swabsin / B.Keyhl	Reviewed comments as noted	56 day breaks for 9/2/10 were deemed acceptable with compressive strength > 4000psi
2750-20	Closed	11/10/10	0			Concrete Test Results (28 day breaks for 9/29/10 pour and 7 day breaks for Ethel Blvd curb on 10/19/10)	178	11/11/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
2750-21	Closed	12/1/10	0			Concrete Test Results (28 day breaks for 10/7/10 Pour)	193	12/1/10	A.Bernardi / R/.Swabsin	Reviewed No Comments	
				02831		**Chain Link Fence**					
					1.04 (A.1.a)	**Manufacturer's Catalog Cut Sheets, Specs, and Certs for Fence Fabric, Posts, Braces, Gates, Privacy Screen, Fence Coating and Accessories**					
02831-01A	Closed	11/12/10	A			Revised Chain Link Fence Materials and Certification	185	11/16/10	A.Bernardi / R.Swabsin	Reviewed Comments as Noted	Certs for galvanized fencing. Cut Sheet, spec, and instructions for grout
					1.04 (A.2)	**Gate and Fencing Detail Drawings**					
02831-01	Closed	9/22/10	0			Chain Link Fence Materials	137	9/23/10	A.Bernardi / R.Swabsin	Reviewed Comments as Noted	Please submit material cut sheets
02831-03	Closed	12/9/10	0			20ft Wide Gate	199	12/13/10	A.Bernardi / R.Swabsin	Revise and Resubmit	please submit additioal information on components of gate
02831-03A	Closed	12/22/10	A			20ft Wide Gate Response to Comments	208	12/23/10	A.Bernardi / R.Swabsin	Reviewed no Comments	
					1.04 (A.3)	**Manufacturer's Installation Instructions for Fencing and Gates**					
02831-01	Closed	9/22/10	0			Chain Link Fence Materials	137	9/23/10	A.Bernardi / R.Swabsin	Reviewed Comments as Noted	
02831-03	Closed	12/9/10	0			20ft Wide Gate	199	12/13/10	A.Bernardi / R.Swabsin	Revise and Resubmit	Please submit additional information on components of gate
				02931		**Topsoil, Seeding, and Vegetation**					

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					1.03 (A.1)	**Proposed topsoil sources and seed mixtures for both temporary and permanent vegetation, along with test results and certification**					14 calendar days prior to use
						For Topsoil Clean Source Documentation see 2931-04 thru 2931-07					
					1.03 (B)	**Product data for each component to be used in topsoil, seeding and vegetation**					
2931-09	Closed	11/19/10	0			Annual rye that will be added to the ERN-156 (specified Uplands Mix in section 2931)	188	11/22/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					2.01 (A.3)	**Topsoil: Grain Size (ASTM D422), Organic Content (ASTM D2974), Soil Nutrient Analysis and Clean Fill Certification**					
2931-02	Closed	5/17/10	0			Maddox Material Topsoil Gradation, Nutrient Analysis, and Analytical Analysis	056	5/19/10	A.Bernardi / R.Swabsin	Revise and Resubmit	Organic content of 2.6% is lower than spec (2.75%); indicate whether this is an Upland or Wetland topsoil
2931-04	Closed	6/24/10	0			Maddox material with Ag Choice Compost Mixture	075	7/1/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
2931-05	Closed	6/18/10	0			Maddox Materials Toll Bros. Topsoil Civil, organic, Nutrient, and Chemical Analysis	160	10/20/10	A.Bernardi / R.Swabsin / C.Greene / A.Kriney	Revise and Resubmit	PAH exceeded the RDCSCC. Alternate sorce required.
2931-06	Closed	10/28/10	0			Maddox Materials Topsoil Source #2 (Warren, NJ)	165	10/28/10	A.Bernardi / R.Swabsin / C.Greene / A.Kriney	Commens as Noted	Gradation does not conform to that recommended by NJDOT spec. Approved for Undeveloped Area Cap only.
2931-07	Closed	11/5/10	0			Topsoil Civil, Organic, Nutrient, and chemical analysis alternate source– EME	173	11/5/10	A.Bernardi / R.Swabsin	Commens as Noted	Approved in the Upland Buffer Zone only. Additional Organics needed in the Wetland Restoration Zone
2931-08	Closed	11/12/10	0			Topsoil Civil, Organic, Nutrient Analysis 1st thru 4th 1,000 CY samples for Maddox Topsoil	183	11/15/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
2931-10	Closed	11/30/10	0			Maddox Topsoil 5th through 10th 1000cy analysis and EME Uplands and Wetlands Mixes 1st 1000cy analysis	191	11/30/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
2931-11	Closed	12/14/10	0			Maddox Topsoil 11th 1000cy Analysis	203	12/16/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					2.01 (B)	**Temporary Seeding**					
2931-09	Closed	11/19/10	0			Annual rye that will be added to the ERN-156 (specified Uplands Mix in section 2931)	188	11/22/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					2.01 (C)	**Permanent Seeding for the Wetland Restoration Zone Seed Mix**					
2931-11	Closed	12/14/10	0			ERNMX-122	202	12/15/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					2.01 (D)	**Permanent Seeding for the Upland Buffer Zone Seed Mix**					
	Closed	11/23/10				ERNMX-177			A.Bernardi	Reviewed No Comments	SES provided the tags attached to seed bags
					2.01 (E)	**Permanent Planting for the Wetland Restoration Zone Species**					
02931-01	Closed	3/31/10	0			Nursery Sources and Summary of Permanent Plant Materials for the Buffer Zone (Uplands and Wetlands) of Undeveloped Area	020	4/6/10	A.Bernardi / R.Swabsin / A.Kriney	Revise and resubmit	Please clarify why rosa polustrus was chosen. This planting is not recommended in the spec.
02931-01A	Closed	5/6/10	A			Nursery Sources and Summary of Permanent Plant Materials for the Buffer Zone (Uplands and Wetlands) of Undeveloped Area Response to Comments	051	5/10/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
					2.01 (F)	**Permanent Planting for the Upland Buffer Zone Species**					
02931-01	Closed	3/31/10	0			Nursery Sources and Summary of Permanent Plant Materials for the Buffer Zone (Uplands and Wetlands) of Undeveloped Area	020	4/6/10	A.Bernardi / R.Swabsin / A.Kriney	Revise and resubmit	Please clarify why viburnum lentago was chosen. This planting is not recommended in the spec.
02931-01A	Closed	5/6/10	A			Nursery Sources and Summary of Permanent Plant Materials for the Buffer Zone (Uplands and Wetlands) of Undeveloped Area Response to Comments	051	5/10/10	A.Bernardi / R.Swabsin	Reviewed No Comments	
02931-01B	Closed	10/22/10	B			Summary of Nursery Sources and Landscape Materials	161	10/22/10	A.Bernardi / R.Swabsin / C.Greene / A.Kriney / N.Garguilo	Reviewed No Comments	
					2.01 (G)	**Product Data and Cut Sheets for Mulch and Binders**					
						See SES QC Report between 11/22/10 and 11/24/10 for material certs					
				07900		**Joint Sealers**					
					1.04 (D)	**Product Data (chemical characteristics, performance criteria, penetration, limitations, and color)**					

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02750-03	Closed	8/10/10	0			Removable Plastic Cap Strip (Southern Metal)	103	8/13/10	R.Swabsin	Reviewed No Comments	
07900-01	Closed	9/2/10	0			Concrete Joint Sealant Product Data – Tremco 900 SL	124	9/8/10	R.Swabsin	Reviewed No Comments	
					1.04 (E)	**Manufacturer's Installation Instructions**					
02750-03	Closed	8/10/10	0			Removable Plastic Cap Strip (Southern Metal)	103	8/13/10	R.Swabsin	Reviewed No Comments	
07900-01	Closed	9/2/10	0			Concrete Joint Sealant Product Data – Tremco 900 SL	124	9/8/10	R.Swabsin	Reviewed No Comments	
					1.04 (F)	**Warranty Information**					
07900-01	Closed	9/2/10	0			Concrete Joint Sealant Product Data – Tremco 900 SL	124	9/8/10	R.Swabsin	Reviewed No Comments	

Notes:

Table 5-1 Weekly Track Gauging Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Park Place East Weekly Track Gauging Summary			
Date	Monitoring Location		
	L1 (inches)	**L2 (inches)**	**L3 (inches)**
	Initial Gauge Measurement		
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	56 3/4"	**56 11/16"**	**56 3/4"**
5/22/2009	56.75	56.6875	56.75
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
Diff:	-0.125	0	-0.0625
	-1/8"	0"	-1/16"
	56 3/4"	**56 11/16"**	**56 3/4"**
5/22/2009	56.75	56.6875	56.75
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
Diff:	-0.125	0	-0.0625
	-1/8"	0"	-1/16"
	56 3/4"	**56 11/16"**	**56 3/4"**
5/29/2009	56.75	56.6875	56.75
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.125	0	-0.0625
Diff:	-1/8"	0"	-1/16"
	56 3/4"	**56 5/8"**	**56 7/8"**
6/5/2009	56.75	56.625	56.875
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.125	0.0625	0.0625
Diff:	-1/8"	1/16"	1/8"
	56 3/4"	**56 11/16"**	**56 3/4"**
7/2/2009	56.75	56.6875	56.75
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.125	0	-0.0625
Diff:	-1/8"	0"	-1/8"
	56 3/4"	**56 11/16"**	**56 13/16"**
7/17/2009	56.75	56.6875	56.8125
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.125	0	0
Diff:	-1/8"	0"	0"
	56 5/8"	**56 5/8"**	**56 7/8"**
7/24/2009	56.625	56.625	56.875
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.25	-0.0625	0.0625
Diff:	-1/4"	-1/16"	1/16"
	56 11/16"	**56 5/8"**	**56 7/8"**
7/31/2009	56.6875	56.625	56.875
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125

Table 5-1 Weekly Track Gauging Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

	-0.1875	-0.0625	0.0625
Diff:	-3/16"	-1/16"	1/16"
	56 11/16"	**56 5/8"**	**56 3/4"**
8/7/2009	56.6875	56.625	56.75
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.1875	-0.0625	-0.0625
Diff:	-3/16"	-1/16"	-1/16"
	56 11/16"	**56 11/16"**	**56 3/4"**
8/14/2009	56.6875	56.6875	56.75
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.1875	0	-0.0625
Diff:	-3/16"	0"	-1/16"
	56 5/8"	**56 11/16"**	**56 3/4"**
8/21/2009	56.625	56.6875	56.75
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.25	0	-0.0625
Diff:	-1/4"	0"	-1/16"
	56 3/4"	**56 5/8"**	**56 7/8"**
8/28/2009	56.75	56.625	56.875
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.125	-0.0625	0.0625
Diff:	-1/8"	-1/16"	1/16"
	56 11/16"	**56 5/8"**	**56 7/8"**
9/4/2009	56.6875	56.625	56.875
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.1875	-0.0625	0.0625
Diff:	-3/16"	-1/16"	1/16"
	56 3/4"	**56 9/16"**	**56 3/4"**
9/11/2009	56.75	56.5625	56.75
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.125	-0.125	-0.0625
Diff:	-1/8"	-1/8"	-1/16"
	56 3/4"	**56 11/16"**	**56 7/8"**
9/18/2009	56.75	56.6875	56.875
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.125	0	0.0625
Diff:	-1/8"	0"	1/16"
	56 11/16"	**56 11/16"**	**56 3/4"**
9/25/2009	56.6875	56.6875	56.75
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.1875	0	-0.0625
Diff:	-3/16"	0"	-1/16"
	56 7/8"	**56 5/8"**	**56 3/4"**
10/2/2009	56.875	56.625	56.75
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125

Table 5-1 Weekly Track Gauging Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

	0	-0.0625	-0.0625
Diff:	0"	-1/16"	-1/16"
	56 3/4"	**56 5/8"**	**56 3/4"**
10/9/2009	56.75	56.625	56.75
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.125	-0.0625	-0.0625
Diff:	-1/8"	-1/16"	-1/16"
	56 3/4"	**56 11/16"**	**57"**
10/23/2009	56.75	56.6875	57
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.125	0	0.1875
Diff:	-1/8"	0"	3/16"
	56 3/4"	**56 5/8"**	**56 7/8"**
10/30/2009	56.75	56.625	56.875
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.125	-0.0625	0.0625
Diff:	-1/8"	-1/16"	1/16"
	56 11/16"	**56 5/8"**	**56 13/16"**
11/9/2009	56.6875	56.625	56.8125
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.1875	-0.0625	0
Diff:	-3/16"	-1/16"	0"
	56 3/4"	**56 5/8"**	***56 7/8"**
11/13/2009	56.75	56.625	56.875
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.125	-0.0625	0.0625
Diff:	-1/8"	-1/16"	1/16"
	56 13/16"	**56 5/8"**	**56 7/8"**
5/7/2010	56.8125	56.625	56.875
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.0625	-0.0625	0.0625
Diff:	-1/16"	-1/16"	-1/16"
	56 5/8"	**56 9/16"**	**56 3/4"**
5/21/2010	56.625	56.5625	56.75
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.25	-0.125	-0.0625
Diff:	-1/4"	-1/8"	-1/16"
	56 5/8"	**56 5/8"**	**56 13/16"**
6/4/2010	56.625	56.625	56.8125
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.25	-0.0625	0
Diff:	-1/4"	-1/16"	0"
	56 9/16"	**59 1/2"**	**56 3/4"**
6/11/2010	56.5625	56.5	56.75
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125

Table 5-1 Weekly Track Gauging Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

	-0.3125	-0.1875	-0.0625
Diff:	-5/16"	-1/8"	-1/16"
	56 9/16"	**56 5/8"**	**56 3/4"**
6/18/2010	56.5625	56.625	56.75
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.3125	-0.0625	-0.0625
Diff:	-5/16"	-1/16"	-1/16"
	56 5/8"	**56 5/8"**	**56 13/16"**
6/25/2010	56.625	56.625	56.8125
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.25	-0.0625	0
Diff:	-1/4"	-1/16"	0"
	56 5/8"	**56 5/8"**	**56 13/16"**
7/2/2010	56.625	56.625	56.8125
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.25	-0.0625	0
Diff:	-1/4"	-1/16"	0"
	56 5/8"	**56 9/16"**	**56 3/4"**
7/9/2010	56.625	56.5625	56.75
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.25	-0.125	-0.0625
Diff:	-1/4"	-1/8"	-1/16"
	56 9/16"	**56 3/4"**	**56 13/16"**
7/16/2010	56.5625	56.75	56.8125
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.3125	0.0625	0
Diff:	-5/16"	-1/16"	0"
	56 5/8"	**56 5/8"**	**56 3/4"**
7/23/2010	56.625	56.625	56.75
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.25	-0.0625	-0.0625
Diff:	-1/4"	-1/16"	-1/16"
	56 3/4"	**56 3/4"**	**56 3/4"**
8/2/2010	56.75	56.75	56.75
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.125	0.0625	-0.0625
Diff:	-1/8"	1/16"	-1/16"
	56 1/2"	**56 5/8"**	**56 3/4"**
8/9/2010	56.5	56.625	56.75
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.375	-0.0625	-0.0625
Diff:	-3/8"	-1/16"	-1/16"
	56 5/8"	**56 5/8"**	**56 3/4"**
8/20/2010	56.625	56.625	56.75
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125

Table 5-1 Weekly Track Gauging Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

	-0.25	-0.0625	-0.0625
Diff:	-1/4"	-1/16"	-1/16"
	56 5/8"	**56 5/8"**	**56 7/8"**
9/10/2010	56.625	56.625	56.875
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.25	-0.0625	0.0625
Diff:	-1/4"	-1/16"	1/16"
	56 1/2"	**56 1/2"**	**56 7/8"**
9/17/2010	56.5	56.5	56.875
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.375	-0.1875	0.0625
Diff:	-3/8"	-1/8"	1/16"
	56 5/8"	**56 5/8"**	**56 3/4"**
9/24/2010	56.625	56.625	56.75
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.25	-0.0625	-0.0625
Diff:	-1/4"	-1/16"	-1/16"
	56 7/8"	**56 1/2"**	**56 3/4"**
10/18/2010	56.6875	56.5	56.75
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.1875	-0.1875	-0.0625
Diff:	-3/16"	-3/16"	-1/16"
	56 5/8"	**56 3/4"**	**56 7/8"**
10/20/2010	56.625	56.75	56.875
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.25	0.0625	0.0625
Diff:	-1/4"	-1/16"	1/16"
	56 5/8"	**56 1/2"**	**56 5/8"**
10/29/2010	56.625	56.5	56.625
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.25	-0.1875	-0.1875
Diff:	-1/4"	-3/16"	-3/16"
	56 5/8"	**56 5/8"**	**56 3/4"**
11/5/2010	56.625	56.625	56.75
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.25	-0.0625	-0.0625
Diff:	-1/4"	-1/16"	-1/16"
	56 5/8"	**56 5/8"**	**56 7/8"**
11/12/2010	56.625	56.625	56.875
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125
	-0.25	-0.0625	0.0625
Diff:	-1/4"	-1/16"	-1/16"
	56 5/8"	**56 3/4"**	**56 3/4"**
11/19/2010	56.625	56.75	56.75
	56 7/8"	**56 11/16"**	**56 13/16"**
5/15/2009	56.875	56.6875	56.8125

Table 5-1 Weekly Track Gauging Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

	-0.25	0.0625	-0.0625
Diff:	-1/4"	1/16"	-1/16"

Table 5-2 Threshold Levels for Air Quality and Associated Actions
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Green (Construction Activities Ongoing)							
Threshold level	**Mercury**			**Dust (PM-10 Particulate)**		**Volatile Organic Compounds (VOCs)**	
	Perimeter locations with 8-hour averages of 1.64 µg/m^3 or less	Weekly QA sorbent tube result below 1.64 µg/m^3 for an 8-hour sample collection event		Perimeter locations with 8-hour averages of 150 µg/m^3 or less		Perimeter locations with a total VOC 15-minute average below background	
Yellow (Construction Activities Proceeding with Caution)							
Threshold level	**Mercury**			**Dust (PM-10 Particulate)**		**Volatile Organic Compounds (VOCs)**	
	Perimeter locations with reading of 7 µg/m^3 or greater for 15 minutes or longer	Perimeter locations with any instantaneous readings for mercury between 10 and 45 µg/m^3	Non-perimeter work (exclusion) zone locations with any instantaneous readings above 45 µg/m^3	Visible particulate or dust generated onsite during work activities or high wind	Non-perimeter work (exclusion) zone locations with instantaneous readings above 210 µg/m^3	Perimeter locations with a total VOC 5-minute average above background.	Non-perimeter work (exclusion) zone locations with an instantaneous total VOC reading above 10 ppm
Actions	Proactive Potential construction mitigation measures	Check upwind monitoring location for potential off-site source		Proactive Potential construction mitigation measures	Check upwind monitoring location for potential off-site source	Proactive Potential construction mitigation measures	Check upwind monitoring location for potential off-site source
Red (Work Stopped until Yellow or Green Conditions)							
Threshold level	**Mercury**			**Dust (PM-10 Particulate)**		**Volatile Organic Compounds (VOCs)**	
	Perimeter locations with 8 hour average greater than 1.64 µg/m^3	Weekly sorbent tube sample results greater than 1.64 µg/m^3 for a sample collection event	Perimeter locations with any instantaneous reading greater than 45 µg/m^3	Persistent particulate or dust clouds generated during work activities	Perimeter locations with any instantaneous readings above 210 mg/m^3	Perimeter locations with 8 hour average above backround	Perimeter locations with an instantaneous reading above 10 ppm
Actions	Construction mitigation measures	Check upwind monitoring location for potential off-site source		Construction mitigation measures	Check upwind monitoring location for potential off-site source	Construction mitigation measures	Check upwind monitoring location for potential off-site source

Table 5-3 Air Monitoring Status Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Undeveloped Area						
Date	**Green Hours[1]**	**Yellow Hours[1]**	**Red Hours[1]**	**Total Hours[1]**	**Cause**	**Mitigation Measure**
4/7/09 - 4/13/09	38	10	3	**51**	Undeveloped area excavation dewatering well point installation	Well point stick ups pipes were covered with poly to mitigate Hg vapor emissions.
4/14/09 - 4/20/09	48	3	7	**58**	Excavation of areas E and F, soil stockpile management	Active excavations saturated with water and completed excavation areas covered with poly to mitigate Hg vapor emissions.
4/21/09 - 4/27/09	40	0	10	**50**	Excavation of areas E and F, soil stockpile management	Active excavations saturated with water and completed excavation areas covered with poly to mitigate Hg vapor emissions.
4/28/09 - 5/4/09	28	0	20	**48**	10–hour average at PAM-02 of 2.4 µg/m^3, 9 Instantaneous dust spikes in PM-10 concentration. VOC – 10 minute average of 1.28 ppm with background of 0.16 ppm	No mitigation measures noted.
5/4/09 - 5/11/09	52.5	0	5	**57.5**	4 instantaneous spikes in PM-10 concentration, VOC – 15 minute average of 1.28 ppm.	No mitigation measures noted.
5/12/09 - 5/18/09	46	0	4	**50**	4 instantaneous spikes in PM-10 concentration.	No mitigation measures noted.
5/19/09 - 5/25/09	37	0	1	**38**	1 instantaneous spikes in PM-10 concentration.	No mitigation measures noted.
6/2/09 - 6/8/09	48	0	0	**48**	5 instantaneous spikes in PM concentration.	No mitigation measures noted.
6/9/09 - 6/15/09	50	0	0	**50**	-	-
6/16/09 - 6/22/09	45	5	0	**50**	-	-
6/23/09 - 6/29/09	50	0	0	**50**	-	-
6/30/09 - 7/06/09	40	0	0	**40**	-	-
7/7/09 - 7/13/09	18	0	34	**52**	12 hours of Elevated Hg concentrations from dumping highly contaminated excavated material from Area I onto the Stockpile pad. 22 hours of Elevated Hg concentrations were generated by Area I excavation activity.	The piles on the pad, sections in Area I and Area H, and the buffer zone were covered with Poly to limit Hg emissions.
7/14/09 - 7/20/09	40	0	12	**52**	Elevated Hg concentrations from screening contaminated soil on the stockpile pad and excavation activity in Area H	The piles on the pad, sections in Area I and Area H, and the buffer zone were covered to limit Hg emissions.
7/21/09 - 7/27/09	48	0	0	**48**	-	-
7/28/09 - 8/3/09	44	0	0	**44**	-	-
8/4/09 - 8/10/09	54	0	0	**54**	-	-
8/11/09 - 8/17/09	50	0	0	**50**	-	-
8/18/09 - 8/24/09	50	0	0	**50**	-	-
8/25/09 - 8/31/09	44	0	0	**44**	-	-
9/1/09 - 9/4/09	38	0	0	**38**	-	-
9/8/09 - 9/14/09	48	2	0	**50**	Elevated Hg concentrations from excavation in an area containing elemental Hg (I-3A).	Exposed contaminated area was saturated with water and covered.
9/15/09 - 9/21/09	50	0	0	**50**	-	-
9/22/09 - 9/28/09	30	0	18	**48**	Elevated Hg concentrations were produced from excavation activity in Area I and soil screening operations on stockpile pad. Weather patterns provided optimal conditions for high Hg concentrations.	Excavation walls continuously saturated with HgX solution. Undisturbed contaminated sections in Area I were covered to limit fugitive Hg emissions. Stockpile pad, exposed soil, Area I, and roadways were saturated with water Exposed soil and stockpiles were covered and saturated with water.
9/29/09 - 10/5/09	48	0	0	**48**	-	-
10/6/09 - 10/12/09	44	1	1	**46**	An yellow level instantaneous Hg spike was generated from stockpile loading activity. A red level PM-10 exceedance was produced from dumping buffer zone backfill in Area I for 7 minutes.	No mitigation measures noted.
10/13/09 - 10/19/09	40	0	0	**40**	-	-
10/20/09 - 10/26/09	42	0	0	**42**	-	-
10/27/09 - 11/2/09	44	0	0	**44**	-	-
11/3/09 - 11/9/09	48	0	0	**48**	-	-
11/10/09 - 11/16/09	46	0	0	**46**	-	-

Table 5-3 Air Monitoring Status Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Developed Area						
Date	Green	Yellow	Red	**Total**	**Cause**	**Mitigation Measure**
3/29/10 - 4/210	44	0	0	**44**	-	-
4/5/10 - 4/9/10	44	0	0	**44**	-	-
4/12/10 - 4/16/10	30	0	16	**46**	Weather patterns and high temperatures provided optimal conditions for high Hg concentrations.	Plastic and water was applied to the area to suppress Hg emissions.
4/19/10 - 4/23/10	30	0	18	**48**	Area D Pre-Drilling activity and utility trench excavation produced high Hg vapor concentrations.	Exposed area were backfilled with clean sand and covered with Poly. HgX solution was applied during drilling.
4/26/10 - 4/30/10	48	0	0	**48**	-	-
5/3/10 - 5/7/10	40	0	10	**50**	Elevated Hg concentrations from loading hazardous material on the stockpile pad.	Water was continuously applied throughout the day to suppress Hg. Exposed hazardous pile on the pad was covered with Poly.
5/10/10 - 5/14/10	48	0	0	**48**	-	-
5/17/10 - 5/21/10	47	1	0	**48**	Driving sheets in Area D caused a Hg spike of 19.541 ug/m^3.	After the sheets around cell D-4 were driven to grade, the exposed contaminated areas were backfilled with clean sand to prevent additional Hg emissions.
5/24/10 - 5/28/10	10	0	32	**42**	Elevated Hg concentrations from excavation activities in cells D-16, D-18, and D-3.	During excavation, HgX was continuously applied to excavation walls and area. After excavation, the exposed soil and bottom of excavation area was saturated with HgX solution and covered with sand and Poly.
5/31/10 - 6/4/10	0	0	40	**40**	Elevated Hg concentrations from Area D excavation and contaminated soil load out in Cell D-19, and variable site winds.	Exposed material on the pad and Area D sections were saturated with HgX solution and covered with Poly and sand
6/7/10 - 6/11/10	28	0	20	**48**	Excavation of Area D, soil stockpile management, and soil loadout	Exposed material on the pad and Area D sections were saturated with HgX solution and covered with Poly and sand
6/14/10 - 6/18/10	34	0	8	**42**	Area D excavation in cells D-04, D-09, D-11, and D-13 produced elevated Hg concentrations. Site winds caused optimal Hg vapor dispersion.	Exposed material on the pad and Area D sections were saturated with HgX solution and covered with Poly and sand
6/21/10 - 6/25/10	39	1	0	**40**	A Hg spike of 11.416 µg/m3 occurred resulting in a yellow level.	Activity proceeded with caution until end of the 8 hour work day.
6/28/10 - 7/2/10	46	0	0	**46**	-	-
7/6/10 - 7/9/10	0	0	36	**36**	Elevated perimeter Hg concentrations.	The exposed areas were covered with Poly and sand bags to prevent fugitive Hg emissions. Stockpiles were sprayed continuously with water and covered with poly.
7/12/10- 7/16/10	42	0	10	**52**	Elevated perimeter Hg concentrations.	During excavation, the contaminated material was continuously saturated with HgX solution and water.
7/17/10 - 7/23/10	48	0	8	**56**	Area D excavation contributed to elevated Hg concentrations.	HgX was continuously applied to contaminated material in Area D.
7/24/10 - 7/30/10	16	2	44	**62**	Excavation of Area D, soil stockpile management, and soil loadout	Exposed material on the pad and Area D sections were saturated with HgX solution and covered with Poly and sand
7/31/10 - 8/6/10	41	1	8	**50**	Area D interior sheet pile extraction generated elevated Hg concentrations.	No mitigation measures noted.
8/9/10 - 8/13/10	36	0	10	**46**	Hot temperatures along with high solar radiation contributed to elevated Hg concentrations from Area I material in over-burden stockpile mound.	Water was periodically applied to the pile throughout the day and hot sections of the mound were covered with Poly.
8/16/10 - 8/20/10	30	0	18	**48**	Perimeter sheet pile extraction and curb removal in Area D generated elevated Hg concentrations.	HgX was continuously applied to during sheet pile extraction and curb removal activities. Outer wall was covered with poly and the trench was backfilled to grade.
8/23/10 - 8/27/10	34	0	8	**42**	Spoils from the test pit excavation, high solar radiation and site winds produced elevated Hg concentrations.	Spoils were removed and surrounding area was saturated with water.
8/30/10 - 9/3/10	24	2	20	**46**	Elevated Hg concentrations from drain pipe excavation activity along the curb line near perimeter of Area D, hazardous material load activity, and above average temperatures.	HgX was continuously applied during excavation and completed excavated sections were immediately backfilled. Exposed piles and stockpile pad were sprayed with water. Contaminated piles on the pad were covered with Poly during load out activity.
9/6/10 - 9/10/10	38	0	0	**38**	-	-
9/13/10 - 9/17/10	50	0	10	**50**	Hot temperatures along with high solar radiation contributed to elevated Hg concentrations from Area D material in stockpile mound.	Water was periodically applied to the pile throughout the day and hot sections of the mound were covered with Poly.
9/20/10 - 9/24/10	46	0	0	**46**	-	-
9/25/10 - 10/1/10	38	0	0	**38**	-	-
10/2/10 - 10/8/10	35	0	10	**45**	Hot temperatures along with high solar radiation contributed to elevated Hg concentrations from Area D material in stockpile mound.	Water was periodically applied to the pile throughout the day and hot sections of the mound were covered with Poly.
10/11/10 - 10/16/10	48	0	0	**48**	-	-
10/18/10 - 10/23/10	50	0	0	**50**	-	-
10/24/10 - 10/30/10	50	0	0	**50**	-	-
10/31/10 - 11/6/10	40	0	0	**40**	-	-
11/7/10 - 11/13/10	40	0	0	**40**	-	-

Total	**2542.5**	**28**	**441**	**3001.5**

Notes: 1) Hours refer to perimeter air monitoring status categories (Green, Yellow, and Red) based on threshold levels and action levels. See Section 5.5 of the Remedial Action Report for a discussion of these status categories and associated threshold/action levels.

Table 5-4 Construction Water Treatment Plant Effluent Discharge Criteria
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Parameter[1]	Discharge Criteria (µg/L)[2,3]
PRIMARY COCs	
Mercury	<2
Arsenic	<3
Benzene	<1
Thallium (Method 200.9)	<2
NON-SITE-RELATED COCs	
Iron	1,000
Manganese	1000 (see note 4)
Sodium	NRE[5]
ADDITIONAL CONSTITUENTS and DESIGN PARAMETERS	
BEHP[6]	<3
Chloride	NRE
Sulfate	NRE
Total Susp. Solids	<5,000

[1] Total concentrations shown (combined particulate and soluble phases).

[2]Source: Ground Water Quality Standards N.J.A.C. 7:9C, Appendix Table 1 – Specific Ground Water Quality Criteria.

[3]The value listed is the larger of the Ground Water Quality Criterion and the Practical Quantitation Limit.

[4]The discharge criteria for Manganese was increased to 3,000 ug/L in an email from the NJDEP dated June 24, 2010.

[5]NRE = No removal expected

[6]BEHP = bis (2-ethylhexyl) phthalate

Table 5-5 Construction Water Treatment Plant Effluent Discharge Testing Results
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Volume of Influent Treated (gal)	[3]Week Ending	Units	Arsenic			Mercury			Thallium			Iron			Manganese			TSS			Benzene			Comment
			Weekly Average	NJDEP Permit Limit	Reporting Limit	Weekly Average	NJDEP Permit Limit	Reporting Limit	Weekly Average	NJDEP Permit Limit	Reporting Limit	Weekly Average	NJDEP Permit Limit	Reporting Limit	Weekly Average	NJDEP Permit Limit[10]	Reporting Limit	Weekly Average	NJDEP Permit Limit	Reporting Limit	Weekly Average	NJDEP Permit Limit	Reporting Limit	
50000	3/21/2009	ug/l	**5.3**	3.0	2.5	<0.1	2.0	0.2	0.1	2.0	1.0	28	1000	150	57	1000	10	<5000	5000	5000	-	1.0	0.2	Area I test pit. Arsenic exceeds NJDEP permit criteria. No discharge
0	[1]3/28/2009	ug/l	2.4	3.0	2.5	-	2.0	0.2	-	2.0	1.0	-	1000	150	-	1000	10	-	5000	5000	<0.2	1.0	0.2	Area I. Effluent in compliance with NJDEP permit criteria.
40000	4/11/2009	ug/l	1.3	3.0	2.5	0.1	2.0	0.2	0.1	2.0	1.0	134	1000	150	11	1000	10	2500	5000	5000	0.1	1.0	0.2	Area I test pit.
15000	4/18/2009	ug/l	2.8	3.0	2.5	<0.1	2.0	0.2	<0.112	2.0	1.0	23 B[2]	1000	150	21	1000	10	<5000	5000	5000	0.3	1.0	0.2	Area E & F test pits. Effluent in compliance with NJDEP Permit criteria
77000	5/9/2010	ug/l	2.9	3.0	2.5	<0.2	2.0	0.2	<1	2.0	1.0	<150	1000	150	20	1000	10	<5000	5000	5000	<1	1.0	0.2	Area E & F.
185000	5/16/2009	ug/l	1.4	3.0	2.5	<0.2	2.0	0.2	<1	2.0	1.0	<150	1000	150	23	1000	10	<2000	5000	5000	<1	1.0	0.2	Area E & F.
81670	5/23/2009	ug/l	<0.9	3.0	2.5	<0.2	2.0	0.2	0.2	2.0	1.0	37	1000	150	16	1000	10	<2100	5000	5000	<1	1.0	0.2	Area E.
42806	6/6/2009	ug/l	<2.3	3.0	2.5	<0.18	2.0	0.2	<0.78	2.0	1.0	126	1000	150	11	1000	10	<2000	5000	5000	<0.13	1.0	0.2	Area E.
92978	6/13/2009	ug/l	<2.3	3.0	2.5	<0.18	2.0	0.2	<0.78	2.0	1.0	<126	1000	150	12	1000	10	<2000	5000	5000	<0.13	1.0	0.2	Area E.
168040	6/21/2009	ug/l	<2.3	3.0	2.5	<0.18	2.0	0.2	<0.78	2.0	1.0	<126	1000	150	17	1000	10	<4000	5000	5000	<0.13	1.0	0.2	Area E.
189743	6/27/2009	ug/l	<2.3	3.0	2.5	<0.18	2.0	0.2	<0.78	2.0	1.0	<126	1000	150	26	1000	10	<2000	5000	5000	<0.13	1.0	0.2	Area E.
40000	7/4/2009	ug/l	<2.3	3.0	2.5	<0.18	2.0	0.2	<0.78	2.0	1.0	<126	1000	150	54	1000	10	<2000	5000	5000	<0.13	1.0	0.2	Area H. Effluent in compliance with NJDEP permit criteria.
32553	7/14/2009	ug/l	<2.3	3.0	2.5	<0.18	2.0	0.2	<0.78	2.0	1.0	<126	1000	150	223	1000	10	<4200	5000	5000	<0.13	1.0	0.2	Area H.
92200	7/25/2010	ug/l	1.4	3.0	2.5	0.1	2.0	0.2	0.4	2.0	1.0	57	1000	150	91	1000	10	2500	5000	5000	0.1	1.0	0.2	Area H.
140506	8/1/2009	ug/l	<2.5	3.0	2.5	<0.2	2.0	0.2	<1	2.0	1.0	<150	1000	150	66	1000	10	<5000	5000	5000	<1	1.0	0.2	Area H.
158817	8/8/2009	ug/l	<2.3	3.0	2.5	<0.18	2.0	0.2	<0.78	2.0	1.0	<126	1000	150	56	1000	10	<5000	5000	5000	0.1	1.0	0.2	Area H.
351841	8/15/2010	ug/l	<2.3	3.0	2.5	<0.18	2.0	0.2	<0.78	2.0	1.0	308	1000	150	142	1000	10	<5000	5000	5000	<0.13	1.0	0.2	Area H.
111570	8/29/2009	ug/l	<2.5	3.0	2.5	<0.2	2.0	0.2	<1.0	2.0	1.0	204	1000	150	644	1000	10	<5000	5000	5000	<1.0	1.0	0.2	Area H.
115428	9/5/2009	ug/l	<2.5	3.0	2.5	<0.2	2.0	0.2	<1.0	2.0	1.0	<150	1000	150	270	1000	10	<5000	5000	5000	<1.0	1.0	0.2	Area I.
38515	9/12/2009	ug/l	<2.5	3.0	2.5	<0.2	2.0	0.2	<1.0	2.0	1.0	<150	1000	150	150	1000	10	<5000	5000	5000	<1.0	1.0	0.2	Area I.
55155	9/19/2009	ug/l	<2.5	3.0	2.5	<0.2	2.0	0.2	<1.0	2.0	1.0	<150	1000	150	136	1000	10	<5000	5000	5000	<1.0	1.0	0.2	Area I.
3189	9/26/2009	ug/l	<2.5	3.0	2.5	<0.2	2.0	0.2	<1.0	2.0	1.0	<150	1000	150	227	1000	10	<5000	5000	5000	<1.0	1.0	0.2	Area I.
64421	10/17/2009	ug/l	<2.5	3.0	2.5	<0.2	2.0	0.2	<1.0	2.0	1.0	<150	1000	150	19	1000	10	<5000	5000	5000	<1.0	1.0	0.2	Area I and WRTG Project. Effluent in compliance with NJDEP criteria.
103535	10/24/2009	ug/l	<2.5	3.0	2.5	<0.2	2.0	0.2	<1.0	2.0	1.0	<150	1000	150	102	1000	10	<5000	5000	5000	<1.0	1.0	0.2	WRTG Project and OU-1 >620 soil stockpile pad.
79200	11/7/2009	ug/l	<2.5	3.0	2.5	<0.2	2.0	0.2	<1.0	2.0	1.0	621	1000	150	417	1000	10	<5000	5000	5000	<1.0	1.0	0.2	WRTG Project and OU-1 >620 soil stockpile pad.
44033	11/21/2009	ug/l	<2.5	3.0	2.5	0.2	2.0	0.2	<1.0	2.0	1.0	300	1000	150	50	1000	10	<5000	5000	5000	<1.0	1.0	0.2	WRTG Project and OU-1 >620 soil stockpile pad.
22600	12/5/2009	ug/l	<2.5	3.0	2.5	0.2	2.0	0.2	<1.0	2.0	1.0	<150	1000	150	279	1000	10	<5000	5000	5000	<1.0	1.0	0.2	WRTG Project and OU-1 >620 soil stockpile pad.
68817	4/17/2010	ug/l	<2.5	3.0	2.5	<0.2	2.0	0.2	<1.0	2.0	1.0	313	1000	150	228	1000	10	<5000	5000	5000	<1.0	1.0	0.2	Area I.
63849	4/30/2010	ug/l	<2.5	3.0	2.5	0.5	2.0	0.2	<1.0	2.0	1.0	<150	1000	150	58	1000	10	[4]<10000	5000	5000	<1.0	1.0	0.2	Area I.
64076	5/8/2010	ug/l	<2.5	3.0	2.5	<0.2	2.0	0.2	<1.0	2.0	1.0	<150	1000	150	43	1000	10	<5000	5000	5000	<1.0	1.0	0.2	Area I.
38183	5/15/2010	ug/l	<2.5	3.0	2.5	0.5	2.0	0.2	<1.0	2.0	1.0	129 J	1000	150	59	1000	10	<5000	5000	5000	<1.0	1.0	0.2	Area I.
185239	5/22/2010	ug/l	<2.5	3.0	2.5	0.4	2.0	0.2	<1.0	2.0	1.0	<150	1000	150	173	1000	10	<5000	5000	5000	<1.0	1.0	0.2	Area I.
28409	5/29/2010	ug/l	<2.5	3.0	2.5	0.2	2.0	0.2	<1.0	2.0	1.0	<137	1000	150	87	1000	10	<5000	5000	5000	<1.0	1.0	0.2	Area D effluent in compliance with NJDEP Discharge Permit Criteria.
124257	6/12/2010	ug/l	<2.5	3.0	2.5	[5] **3.0**	2.0	0.2	<1.0	2.0	1.0	[5] **1144**	1000	150	[5] **2130**	1000	10	<5000	5000	5000	<1.0	1.0	0.2	Area D. Weekly avg did not meet discharge criteria for mercury, iron, or manganese. No discharge.
97486	6/19/2010	ug/l	<2.5	3.0	2.5	1.4	2.0	0.2	<1.0	2.0	1.0	943	1000	150	[6] **2210**	1000	10	<5000	5000	5000	<1.0	1.0	0.2	Area D. Manganese weekly average exceeds discharge criteria,
126000	6/26/2010	ug/l	<2.5	3.0	2.5	1.5	2.0	0.2	<1.0	2.0	1.0	[7] **1275**	1000	150	[7] **5195**	[10] 3000	10	<5000	5000	5000	<1.0	1.0	0.2	Area D. Iron & Manganese weekly average exceeds discharge criteria,
111711	7/3/2010	ug/l	<2.5	3.0	2.5	0.4	2.0	0.2	<1.0	2.0	1.0	**1160**	1000	150	**5230**	3000	10	<5000	5000	5000	<1.0	1.0	0.2	Area D. Iron & Manganese weekly average exceeds discharge criteria,
102466	7/10/2010	ug/l	<2.5	3.0	2.5	0.3	2.0	0.2	<1.0	2.0	1.0	214	1000	150	1040	3000	10	<5000	5000	5000	<1.0	1.0	0.2	Area D. Manganese weekly average exceeds discharge criteria,
243694	7/17/2010	ug/l	<2.5	3.0	2.5	0.2	2.0	0.2	<1.0	2.0	1.0	230	1000	150	755	3000	10	<5000	5000	5000	<1.0	1.0	0.2	Area D.
154050	7/24/2010	ug/l	<2.5	3.0	2.5	0.2	2.0	0.2	<1.0	2.0	1.0	213	1000	150	502	3000	10	<5000	5000	5000	<1.0	1.0	0.2	Area D.
35529	7/31/2010	ug/l	<2.5	3.0	2.5	**13.2**	2.0	0.2	<1.0	2.0	1.0	413	1000	150	499	3000	10	<5000	5000	5000	<1.0	1.0	0.2	Area D. Mercury exceeded discharge criteria, No discharge.
0	[8]8/7/2010	ug/l	-	3.0	2.5	<0.2	2.0	0.2	-	2.0	1.0	-	1000	150	-	3000	10	-	5000	5000	-	1.0	0.2	Area D. Retreated effluent which exceeded mercury discharge criteria.
99235	8/14/2010	ug/l	<2.5	3.0	2.5	0.3	2.0	0.2	<1.0	2.0	1.0	<150	1000	150	133	3000	10	<5000	5000	5000	<1.0	1.0	0.2	Area D.
62055	8/21/2010	ug/l	<2.5	3.0	2.5	<0.2	2.0	0.2	<1.0	2.0	1.0	145	1000	150	399	3000	10	<5000	5000	5000	<1.0	1.0	0.2	Area I and D.
113982	8/28/2010	ug/l	<2.5	3.0	2.5	<0.2	2.0	0.2	<1.0	2.0	1.0	<150	1000	150	783	3000	10	<5000	5000	5000	<1.0	1.0	0.2	Area I and D.
43202	9/4/2010	ug/l	<2.5	3.0	2.5	0.3	2.0	0.2	<1.0	2.0	1.0	244	1000	150	839	3000	10	<5000	5000	5000	<1.0	1.0	0.2	Area I and D.
65881	[9]9/11/2010	ug/l	<2.5	3.0	2.5	0.3	2.0	0.2	<1.0	2.0	1.0	194	1000	150	831	3000	10	<5000	5000	5000	<1.0	1.0	0.2	Area I and D.

[1]Area I water in tanks was previously tested and in compliance with NJDEP discharge permit for all COC with the exception of Arsenic on 3/19/09. Additional filtration was added to the system process to remove excess carbon. Water was retreated and retested on 3/27/09 for Arsenic and Benzene only.

[2]Per TestAmerica: "B - Reported value is less than the Reporting Limit but greater than the Instrument Detection Limit."

[3] No analysis is included for weeks when the CWTP was not discharging water.

[4]Test results confirm compliance with the discharge permit-by-rule effluent limits. The laboratory, without notice, reported the TSS MDL at 10 mg/l. The effluent flows through two carbon vessels in series, a one-micron filter and then a 0.35 micron filter. All reported values for TSS over the last year have been < 5.0 mg/l. TestAmerica indicated TSS was non detect.

[5]The effluent concentrations for mercury, iron, and manganese did not meet the permit criteria for discharge on a couple of occasions. Upon receipt of laboratory results indicating these problems effluent was held and not discharged until retreatment occured. During retreatment the dosages of the process chemicals were modified including MCX. The issues were believed related to the higher amount of HgX used to control mercury vapors during excavation.

[6]Per 6/23/10 OU-1 Weekly Agency Meeting Minutes, NJDEP was notified that the weekly average sample value for Manganese exceeded the discharge permit criteria. All other COC samples results were acceptable per the discharge permit. NJDEP verbally agreed that the Manganese level is acceptable for discharge to groundwater.

[7]Per 7/7/10 Weekly Agency Meeting Minutes, NJDEP was notified that chlorine would be added to process to mitigate the Iron and Manganese issue.

[8]Area D water in tanks was previously tested and in compliance with NJDEP discharge permit for all COC with the exception of Mercury for week ending on 7/31/10. Water was retreated and retested on 8/5/10 for Mercury only.

[9]September 10,2010 was the final day of CWTP Operation at which point the plant was decontaminated and demobilized.

[10]The discharge criteria for Manganese was increased to 3,000 ug/l in an email from the NJDEP dated June 24, 2010

Table 5-6 In Place Density Testing Results Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

TEST No.	DATE	TEST LOCATION	Elev.	Fill TYPE	TEST DEPTH (in)	LAB (ASTM D1557)		FIELD (ASTM D6938)		PROCTOR DRY DENSITY ACHIEVED (%)	PROCTOR DRY DENSITY REQUIRED (%)	STATUS P / F	COMMENTS
						MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	NUCLEAR DRY DENSITY (pcf)	NUCLEAR MOISTURE (%)				
1	4/14/2009	Infiltration Basin	top berm	DGA	-	143.3	5.4	132	2.4	92.1%	92%	P	test depth not specified
2	4/14/2009	Infiltration Basin	top berm	DGA	-	143.3	5.4	132	2.9	92.1%	92%	P	test depth not specified
3	4/14/2009	Infiltration Basin	top berm	DGA	-	143.3	5.4	135.5	3.4	94.6%	92%	P	test depth not specified
4	4/14/2009	Infiltration Basin	top berm	DGA	-	143.3	5.4	132.4	3.2	92.4%	92%	P	test depth not specified
5	4/14/2009	Infiltration Basin	top berm	DGA	-	143.3	5.4	136.3	3	95.1%	92%	P	test depth not specified
6	4/14/2009	Infiltration Basin	top berm	DGA	-	143.3	5.4	135.9	2.4	94.8%	92%	P	test depth not specified
7	4/14/2009	Infiltration Basin	top berm	DGA	-	143.3	5.4	132.5	3.5	92.5%	92%	P	test depth not specified
8	4/14/2009	Infiltration Basin	top berm	DGA	-	143.3	5.4	134.8	3.7	94.1%	92%	P	test depth not specified
9	4/14/2009	Infiltration Basin	top berm	DGA	-	143.3	5.4	136.6	4	95.3%	92%	P	test depth not specified
10	4/14/2009	Infiltration Basin	top berm	DGA	-	143.3	5.4	133.5	2.5	93.2%	92%	P	test depth not specified
11	4/14/2009	Infiltration Basin	top berm	DGA	-	143.3	5.4	132.3	3.2	92.3%	92%	P	test depth not specified
12	4/14/2009	Infiltration Basin	top berm	DGA	-	143.3	5.4	132.2	2..4	92.3%	92%	P	test depth not specified
13	4/14/2009	Infiltration Basin	top berm	DGA	-	143.3	5.4	134.6	4.1	93.9%	92%	P	test depth not specified
14	4/14/2009	Infiltration Basin	top berm	DGA	-	143.3	5.4	135	4.6	94.2%	92%	P	test depth not specified
15	11/9/2009	55ft Buffer	*6*	Common Fill	-	134.5	9.1	130.9	7.7	97.3%	92%	P	Northeast of DSH Ditch. Elevations are approximate.
16	11/9/2009	55ft Buffer	*6*	Common Fill	-	134.5	9.1	130.5	8.1	97.0%	92%	P	Northeast of DSH Ditch. Elevations are approximate.
17	11/9/2009	55ft Buffer	*6*	Common Fill	-	134.5	9.1	130.7	7.9	97.2%	92%	P	Northeast of DSH Ditch. Elevations are approximate.
18	11/9/2009	55ft Buffer	*6*	Common Fill	-	134.5	9.1	131.4	7.2	97.7%	92%	P	Northeast of DSH Ditch. Elevations are approximate.
19	11/9/2009	55ft Buffer	*6*	Common Fill	-	134.5	9.1	130.6	8	97.1%	92%	P	Northeast of DSH Ditch. Elevations are approximate.
20	11/9/2009	55ft Buffer	*6*	Common Fill	-	134.5	9.1	130.8	7.8	97.2%	92%	P	Northeast of DSH Ditch. Elevations are approximate.
21	11/9/2009	55ft Buffer	*6*	Common Fill	-	134.5	9.1	130.9	7.7	97.3%	92%	P	Northeast of DSH Ditch. Elevations are approximate.
22	11/9/2009	55ft Buffer	*6*	Common Fill	-	134.5	9.1	131.2	7.4	97.5%	92%	P	Northeast of DSH Ditch. Elevations are approximate.
23	11/9/2009	55ft Buffer	*6*	Common Fill	-	134.5	9.1	130.3	8.3	96.9%	92%	P	Northeast of DSH Ditch. Elevations are approximate.
24	11/9/2009	55ft Buffer	*6*	Common Fill	-	134.5	9.1	131	7.6	97.4%	92%	P	Northeast of DSH Ditch. Elevations are approximate.
25	11/9/2009	55ft Buffer	*6*	Common Fill	-	134.5	9.1	131.6	7	97.8%	92%	P	Northeast of DSH Ditch. Elevations are approximate.
26	11/9/2009	55ft Buffer	*6*	Common Fill	-	134.5	9.1	131.6	7.3	97.8%	92%	P	Northeast of DSH Ditch. Elevations are approximate.
27	11/9/2009	55ft Buffer	*7*	Common Fill	-	138.6	6.6	134.6	6.9	97.1%	92%	P	West of Berry's Creek. Elevations are approximate.
28	11/9/2009	55ft Buffer	*7*	Common Fill	-	138.6	6.6	136.2	5.5	98.3%	92%	P	West of Berry's Creek. Elevations are approximate.
29	11/9/2009	55ft Buffer	*7*	Common Fill	-	138.6	6.6	134.5	7.7	97.0%	92%	P	West of Berry's Creek. Elevations are approximate.
30	11/9/2009	55ft Buffer	*7*	Common Fill	-	138.6	6.6	132.9	5.2	95.9%	92%	P	West of Berry's Creek. Elevations are approximate.
31	11/9/2009	55ft Buffer	*7*	Common Fill	-	138.6	6.6	134.7	6	97.2%	92%	P	West of Berry's Creek. Elevations are approximate.
32	11/9/2009	55ft Buffer	*7*	Common Fill	-	138.6	6.6	134.2	7.3	96.8%	92%	P	West of Berry's Creek. Elevations are approximate.
33	11/9/2009	55ft Buffer	*7*	Common Fill	-	138.6	6.6	136.8	4.3	98.7%	92%	P	West of Berry's Creek. Elevations are approximate.

Table 5-6 In Place Density Testing Results Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

TEST No.	DATE	TEST LOCATION	Elev.	Fill TYPE	TEST DEPTH (in)	LAB (ASTM D1557)		FIELD (ASTM D6938)		PROCTOR DRY DENSITY ACHIEVED (%)	PROCTOR DRY DENSITY REQUIRED (%)	STATUS P / F	COMMENTS
						MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	NUCLEAR DRY DENSITY (pcf)	NUCLEAR MOISTURE (%)				
34	4/13/2010	Area I	3	I-3	7	134.5	7.2	128.7	1.8	95.7%	92%	P	Station 0+30 north of the southeast corner of the Wolf warehouse
35	4/13/2010	Area I	3	I-3	7	134.5	7.2	129.5	2.9	96.3%	92%	P	Station 0+75 north of the southeast corner of the Wolf warehouse
36	4/13/2010	Area I	3	I-3	7	134.5	7.2	132.3	2	98.4%	92%	P	Station 1+05 north of the southeast corner of the Wolf warehouse
37	4/13/2010	Area I	3	I-3	7	134.5	7.2	133	3.5	98.9%	92%	P	Station 1+40 north of the southeast corner of the Wolf warehouse
38	4/13/2010	Area I	3	I-3	7	134.5	7.2	130.4	1.6	97.0%	92%	P	Station 1+70 north of the southeast corner of the Wolf warehouse
39	4/13/2010	Area I	3	I-3	7	134.5	7.2	131.7	2.7	97.9%	92%	P	Station 1+75 north of the southeast corner of the Wolf warehouse
40	4/13/2010	Area I	3	I-3	7	134.5	7.2	129.1	1.6	96.0%	92%	P	Station 2+05 north of the southeast corner of the Wolf warehouse
41	4/13/2010	Area I	4	I-3	7	134.5	7.2	128.6	1.8	95.6%	92%	P	Station 0+30 north of the southeast corner of the Wolf warehouse
42	4/13/2010	Area I	4	I-3	7	134.5	7.2	139.3	1.5	103.6%	92%	P	Station 0+75 north of the southeast corner of the Wolf warehouse
43	4/13/2010	Area I	4	I-3	5	134.5	7.2	132.6	1.5	98.6%	92%	P	Station 1+05 north of the southeast corner of the Wolf warehouse
44	4/13/2010	Area I	4	I-3	7	134.5	7.2	132.9	1.8	98.8%	92%	P	Station 1+40 north of the southeast corner of the Wolf warehouse
45	4/13/2010	Area I	4	I-3	7	134.5	7.2	134.1	1.6	99.7%	92%	P	Station 1+70 north of the southeast corner of the Wolf warehouse
46	4/13/2010	Area I	4	I-3	7	134.5	7.2	129.3	1.4	96.1%	92%	P	Station 1+75 north of the southeast corner of the Wolf warehouse
47	4/13/2010	Area I	4	I-3	7	134.5	7.2	130.3	1.5	96.9%	92%	P	Station 2+05 north of the southeast corner of the Wolf warehouse
48	6/2/2010	D-18	2	I-3	12	141.9	5.9	134.9	1.2	95.1%	92%	P	Offset from sheeting 17ft
49	6/2/2010	D-18	2	I-3	12	141.9	5.9	135.8	0.9	95.7%	92%	P	Offset from sheeting 5ft
50	6/2/2010	D-18	2	I-3	12	141.9	5.9	138.5	1.5	97.6%	92%	P	Offset from sheeting 10ft
51	6/2/2010	D-18	2	I-3	12	141.9	5.9	135.7	1	95.6%	92%	P	Offset from sheeting 5ft
52	6/2/2010	D-18	2	I-3	12	141.9	5.9	135.1	1	95.2%	92%	P	Offset from sheeting 15ft
53	6/9/2010	D-5	*-8*	I-3	8	134.8	9	129	1.3	95.7%	92%	P	first backfill lift. elevations are approximate
54	6/9/2010	D-5	*-8*	I-3	8	134.8	9	130.8	1	97.0%	92%	P	first backfill lift. elevations are approximate

Table 5-6 In Place Density Testing Results Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

TEST No.	DATE	TEST LOCATION	Elev.	Fill TYPE	TEST DEPTH (in)	LAB (ASTM D1557)		FIELD (ASTM D6938)		PROCTOR DRY DENSITY ACHIEVED (%)	PROCTOR DRY DENSITY REQUIRED (%)	STATUS P / F	COMMENTS
						MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	NUCLEAR DRY DENSITY (pcf)	NUCLEAR MOISTURE (%)				
55	6/9/2010	D-5	*-8*	I-3	8	134.8	9	129.4	1.1	96.0%	92%	P	first backfill lift. elevations are approximate
56	6/9/2010	D-5	*-8*	I-3	8	134.8	9	129.4	1.3	96.0%	92%	P	first backfill lift. elevations are approximate
57	6/10/2010	D-5	*-8*	I-3	8	134.8	9	129.4	2.9	96.0%	92%	P	first backfill lift. elevations are approximate
58	6/10/2010	D-5	*-8*	I-3	8	134.8	9	128.5	1.9	95.3%	92%	P	first backfill lift. elevations are approximate
59	6/10/2010	D-5	*-8*	I-3	8	134.8	9	128.7	2.8	95.5%	92%	P	first backfill lift. elevations are approximate
60	6/10/2010	D-5	*-8*	I-3	8	134.8	9	128.1	1.6	95.0%	92%	P	first backfill lift. elevations are approximate
61	6/10/2010	D-5	*-6*	I-3	8	134.8	9	131.4	1.2	97.5%	92%	P	second backfill lift. elevations are approximate
62	6/10/2010	D-5	*-6*	I-3	8	134.8	9	130.9	1.2	97.1%	92%	P	second backfill lift. elevations are approximate
63	6/10/2010	D-5	*-6*	I-3	8	134.8	9	128.6	1.5	95.4%	92%	P	second backfill lift. elevations are approximate
64	6/10/2010	D-5	*-6*	I-3	8	134.8	9	129.5	1.8	96.1%	92%	P	second backfill lift. elevations are approximate
65	6/10/2010	D-5	*-6*	I-3	8	134.8	9	129.1	1.2	95.8%	92%	P	second backfill lift. elevations are approximate
66	6/11/2010	D-5	*-8*	I-3	8	134.8	9	128.1	1.5	95.0%	92%	P	first backfill lift. elevations are approximate
67	6/11/2010	D-5	*-8*	I-3	8	134.8	9	131.2	1.7	97.3%	92%	P	first backfill lift. elevations are approximate
68	6/11/2010	D-5	*-8*	I-3	8	134.8	9	132.1	1.7	98.0%	92%	P	first backfill lift. elevations are approximate
69	6/11/2010	D-5	*-8*	I-3	8	134.8	9	129.9	1.4	96.4%	92%	P	first backfill lift. elevations are approximate
70	6/11/2010	D-5	*-8*	I-3	8	134.8	9	128.7	1.5	95.5%	92%	P	first backfill lift. elevations are approximate
71	6/11/2010	D-5	*-8*	I-3	8	134.8	9	128.7	1.4	95.5%	92%	P	first backfill lift. elevations are approximate
72	6/11/2010	D-5	*-8*	I-3	8	134.8	9	128.6	1.5	95.4%	92%	P	first backfill lift. elevations are approximate
73	6/11/2010	D-5	*-8*	I-3	8	134.8	9	130.8	1.8	97.0%	92%	P	first backfill lift. elevations are approximate
74	6/11/2010	D-5	*-8*	I-3	8	134.8	9	129.1	1.5	95.8%	92%	P	first backfill lift. elevations are approximate
75	6/14/2010	D-9	0.3	I-3	8	134.8	9	132.2	2.1	98.1%	92%	P	
76	6/14/2010	D-9	0.3	I-3	6	134.8	9	129.6	1.9	96.1%	92%	P	
77	6/18/2010	D-5	*-6*	I-3	8	134.8	9	128.3	1.9	95.2%	92%	P	second backfill lift. elevations are approximate
78	6/18/2010	D-5	*-6*	I-3	8	134.8	9	129.5	2.1	96.1%	92%	P	second backfill lift. elevations are approximate
79	6/18/2010	D-5	*-6*	I-3	8	134.8	9	132.8	1.6	98.5%	92%	P	second backfill lift. elevations are approximate
80	6/18/2010	D-5	*-6*	I-3	8	134.8	9	132.4	3.9	98.2%	92%	P	second backfill lift. elevations are approximate
81	6/18/2010	D-5	*-6*	I-3	8	134.8	9	128.1	1.6	95.0%	92%	P	second backfill lift. elevations are approximate

Table 5-6 In Place Density Testing Results Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

TEST No.	DATE	TEST LOCATION	Elev.	Fill TYPE	TEST DEPTH (in)	LAB (ASTM D1557)		FIELD (ASTM D6938)		PROCTOR DRY DENSITY ACHIEVED (%)	PROCTOR DRY DENSITY REQUIRED (%)	STATUS P / F	COMMENTS
						MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	NUCLEAR DRY DENSITY (pcf)	NUCLEAR MOISTURE (%)				
82	6/18/2010	D-5	*-6*	I-3	8	134.8	9	129.4	1.5	96.0%	92%	P	second backfill lift. elevations are approximate
83	6/21/2010	D-9	*1*	I-3	12	132.7	9.2	128.2	1.4	96.6%	92%	P	North half of D-9, approx 4ft from final grade
84	6/21/2010	D-9	*1*	I-3	12	132.7	9.2	127.8	1.5	96.3%	92%	P	North half of D-9, approx 4ft from final grade
85	6/21/2010	D-9	*1*	I-3	12	132.7	9.2	131.8	1.2	99.3%	92%	P	North half of D-9, approx 4ft from final grade
86	6/21/2010	D-9	*1*	I-4	12	132.7	9.2	132.1	1.1	99.5%	92%	P	North half of D-9, approx 4ft from final grade
87	6/22/2010	D-9	*1*	I-3	12	132.7	9.2	125.9	1.5	94.9%	92%	P	South half of D-9, approx 4ft from final grade
88	6/22/2010	D-9	*1*	I-3	12	132.7	9.2	126.8	1.4	95.6%	92%	P	South half of D-9, approx 4ft from final grade
89	6/22/2010	D-9	*1*	I-3	12	132.7	9.2	130.5	0.9	98.3%	92%	P	South half of D-9, approx 4ft from final grade
90	6/22/2010	D-9	*1*	I-3	12	132.7	9.2	134.1	0.9	101.1%	92%	P	South half of D-9, approx 4ft from final grade
91	6/28/2010	D-15	*1.5*	I-3	8	136.9	7.6	131.7	2.2	96.2%	92%	P	first backfill lift. elevations are approximate
92	6/28/2010	D-15	*1.5*	I-3	8	136.9	7.6	131.2	3.8	95.8%	92%	P	first backfill lift. elevations are approximate
93	6/28/2010	D-15	*1.5*	I-3	8	136.9	7.6	130.1	2.8	95.0%	92%	P	first backfill lift. elevations are approximate
94	6/28/2010	D-15	*1.5*	I-3	8	136.9	7.6	130.7	2.3	95.5%	92%	P	first backfill lift. elevations are approximate
95	6/28/2010	D-15	*1.5*	I-3	8	136.9	7.6	132.1	3.8	96.5%	92%	P	first backfill lift. elevations are approximate
96	6/28/2010	D-15	*1.5*	I-3	8	136.9	7.6	131.7	2.6	96.2%	92%	P	first backfill lift. elevations are approximate
97	6/29/2010	D-15	*2.5*	I-3	8	136.9	7.6	134.2	2.9	98.0%	92%	P	second backfill lift. elevations are approximate
98	6/29/2010	D-15	*2.5*	I-3	8	136.9	7.6	130.1	1.8	95.0%	92%	P	second backfill lift. elevations are approximate
99	6/29/2010	D-15	*2.5*	I-3	8	136.9	7.6	131.4	2.1	96.0%	92%	P	second backfill lift. elevations are approximate
100	6/29/2010	D-15	*2.5*	I-3	8	136.9	7.6	131.6	2.6	96.1%	92%	P	second backfill lift. elevations are approximate
101	7/1/2010	D-15	*3.5*	I-3	8	136.9	7.6	133.6	2.5	97.6%	92%	P	third backfill lift. elevations are approximate
102	7/1/2010	D-15	*3.5*	I-3	8	136.9	7.6	131.3	1.6	95.9%	92%	P	third backfill lift. elevations are approximate
103	7/1/2010	D-15	*3.5*	I-3	8	136.9	7.6	132	1.8	96.4%	92%	P	third backfill lift. elevations are approximate
104	7/1/2010	D-15	*4.5*	I-3	8	136.9	7.6	131.4	1.9	96.0%	92%	P	fourth backfill lift. elevations are approximate
105	7/1/2010	D-15	*4.5*	I-3	8	136.9	7.6	133.8	3.1	97.7%	92%	P	fourth backfill lift. elevations are approximate
106	7/1/2010	D-15	*4.5*	I-3	8	136.9	7.6	130.1	2.1	95.0%	92%	P	fourth backfill lift. elevations are approximate
107	7/1/2010	D-18	*1.7*	I-3	-	134.8	9	133.2	2.1	98.8%	92%	P	first backfill lift. elevations are approximate

Table 5-6 In Place Density Testing Results Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

TEST No.	DATE	TEST LOCATION	Elev.	Fill TYPE	TEST DEPTH (in)	LAB (ASTM D1557)		FIELD (ASTM D6938)		PROCTOR DRY DENSITY ACHIEVED (%)	PROCTOR DRY DENSITY REQUIRED (%)	STATUS P / F	COMMENTS
						MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	NUCLEAR DRY DENSITY (pcf)	NUCLEAR MOISTURE (%)				
108	7/1/2010	D-18	*1.7*	I-3	-	134.8	9	128.2	1	95.1%	92%	P	first backfill lift. elevations are approximate
109	7/1/2010	D-18	*1.7*	I-3	-	134.8	9	129.4	1.3	96.0%	92%	P	first backfill lift. elevations are approximate
110	7/17/2010	D-4	*-21*	I-3	8	136.9	7.6	130.5	2.8	95.3%	92%	P	first backfill lift. elevations are approximate
111	7/17/2010	D-4	*-21*	I-3	8	136.9	7.6	131.7	3	96.2%	92%	P	first backfill lift. elevations are approximate
112	7/17/2010	D-4	*-21*	I-3	8	136.9	7.6	132	2	96.4%	92%	P	first backfill lift. elevations are approximate
113	7/17/2010	D-4	*-19*	I-3	8	136.9	7.6	130.5	3.2	95.3%	92%	P	second backfill lift. elevations are approximate
114	7/17/2010	D-4	*-19*	I-3	8	136.9	7.6	130.1	3.3	95.0%	92%	P	second backfill lift. elevations are approximate
115	7/17/2010	D-4	*-19*	I-3	8	136.9	7.6	130.9	3.6	95.6%	92%	P	second backfill lift. elevations are approximate
116	7/19/2010	D-4	-15	I-3	6	136.9	7.6	130.7	4.8	95.5%	92%	P	
117	7/19/2010	D-4	-15	I-3	6	136.9	7.6	131.4	4.4	96.0%	92%	P	
118	7/19/2010	D-4	-13	I-3	8	136.9	7.6	131.1	4.6	95.8%	92%	P	
119	7/19/2010	D-4	-13	I-3	6	136.9	7.6	130.1	4.1	95.0%	92%	P	
120	7/19/2010	D-4	-13	I-3	4	136.9	7.6	130.7	4.1	95.5%	92%	P	
121	7/20/2010	D-4	-11	I-3	10	136.9	7.6	132.6	2.8	96.9%	92%	P	
122	7/20/2010	D-4	-11	I-3	10	136.9	7.6	129.2	2.1	94.4%	92%	P	
123	7/20/2010	D-4	-9	I-3	10	136.9	7.6	130.1	2.2	95.0%	92%	P	
124	7/20/2010	D-4	-9	I-3	10	136.9	7.6	132.3	1.6	96.6%	92%	P	
125	7/20/2010	D-4	-7	I-3	10	136.9	7.6	129.2	1.7	94.4%	92%	P	
126	7/20/2010	D-4	-7	I-3	10	136.9	7.6	130.1	3.7	95.0%	92%	P	
127	7/20/2010	D-4	-5	I-3	10	136.9	7.6	133	4.1	97.2%	92%	P	
128	7/20/2010	D-4	-5	I-3	10	136.9	7.6	130.9	3.9	95.6%	92%	P	
129	7/21/2010	D-5	-2	I-3	8	136.9	7.6	130.3	4.5	95.2%	92%	P	
130	7/21/2010	D-5	-2	I-3	6	136.9	7.6	130.6	4.3	95.4%	92%	P	
131	7/21/2010	D-5	-1	I-3	8	136.9	7.6	130.1	3.2	95.0%	92%	P	
132	7/21/2010	D-5	-1	I-3	6	136.9	7.6	131.2	4.1	95.8%	92%	P	
133	7/21/2010	D-5	-1	I-3	6	136.9	7.6	131.4	4	96.0%	92%	P	
134	7/21/2010	D-5	*0*	I-3	8	136.9	7.6	130.7	4.8	95.5%	92%	P	third backfill lift. elevations are approximate
135	7/21/2010	D-5	*0*	I-3	6	136.9	7.6	131.2	4.4	95.8%	92%	P	third backfill lift. elevations are approximate
136	7/27/2010	D-7	-4.7	I-3	8	136.9	7.6	130	2.8	95.0%	92%	P	
137	7/27/2010	D-10	-2.6	I-3	6	136.9	7.6	130.5	2.5	95.3%	92%	P	
138	7/27/2010	D-10	-1.6	I-3	6	136.9	7.6	130.3	2.5	95.2%	92%	P	
139	7/27/2010	D-10	-1.6	I-3	4	136.9	7.6	131.8	2.9	96.3%	92%	P	
140	7/27/2010	D-10	-1.6	I-3	10	136.9	7.6	136.6	2.9	99.8%	92%	P	
141	7/27/2010	D-7	-3.7	I-3	6	136.9	7.6	131.7	3.1	96.2%	92%	P	
142	7/27/2010	D-7	-3.7	I-3	6	136.9	7.6	131.2	3.5	95.8%	92%	P	
143	7/27/2010	D-7	-2.7	I-3	6	136.9	7.6	131	4.1	95.7%	92%	P	
144	7/27/2010	D-7	-2.7	I-3	6	136.9	7.6	134	4.7	97.9%	92%	P	
145	7/27/2010	D-10	-0.6	I-3	8	136.9	7.6	134.8	2.2	98.5%	92%	P	
146	7/27/2010	D-10	-0.6	I-3	6	136.9	7.6	132.8	2.9	97.0%	92%	P	
147	7/27/2010	D-7	-0.6	I-3	6	136.9	7.6	131.3	1.8	95.9%	92%	P	
148	7/28/2010	D-7/D-10	-1	I-3	8	134.3	7.8	132.1	4.7	98.4%	92%	P	
149	7/28/2010	D-7/D-10	-1	I-3	8	134.3	7.8	132.5	4.1	98.7%	92%	P	

Table 5-6 In Place Density Testing Results Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

TEST No.	DATE	TEST LOCATION	Elev.	Fill TYPE	TEST DEPTH (in)	LAB (ASTM D1557)		FIELD (ASTM D6938)		PROCTOR DRY DENSITY ACHIEVED (%)	PROCTOR DRY DENSITY REQUIRED (%)	STATUS P / F	COMMENTS
						MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	NUCLEAR DRY DENSITY (pcf)	NUCLEAR MOISTURE (%)				
150	7/28/2010	D-7/D-10	-1	I-3	8	134.3	7.8	132.8	4.2	98.9%	92%	P	
151	7/28/2010	D-7/D-10	0	I-3	8	134.3	7.8	130.4	4.2	97.1%	92%	P	
152	7/28/2010	D-7/D-10	0	I-3	8	134.3	7.8	130	4.5	96.8%	92%	P	
153	7/28/2010	D-7/D-10	0	I-3	8	134.3	7.8	130.8	4.6	97.4%	92%	P	
154	7/29/2010	D-10	-1.3	I-3	8	136.9	7.6	130.1	2.9	95.0%	92%	P	
155	7/29/2010	D-10	-1.3	I-3	8	136.9	7.6	130.7	2.9	95.5%	92%	P	
156	7/29/2010	D-10	-1.3	I-3	6	136.9	7.6	131.7	3.1	96.2%	92%	P	
157	7/29/2010	D-12	-1.3	I-3	6	136.9	7.6	130.3	3	95.2%	92%	P	
158	7/29/2010	D-12	-1.3	I-3	6	136.9	7.6	130.6	3.3	95.4%	92%	P	
159	7/29/2010	D-10	-1.3	I-3	6	136.9	7.6	131.6	3.8	96.1%	92%	P	
160	7/29/2010	D-10	-1.3	I-3	6	136.9	7.6	131.2	3.7	95.8%	92%	P	
161	7/29/2010	D-10	0.3	I-3	6	134.3	7.8	128.3	2.4	95.5%	92%	P	
162	7/29/2010	D-12	0.3	I-3	8	134.3	7.8	127.6	3	95.0%	92%	P	
163	7/29/2010	D-12	0.3	I-3	6	134.3	7.8	129.3	3.2	96.3%	92%	P	
164	7/29/2010	D-10	7	I-3	6	134.3	7.8	129.2	3.7	96.2%	92%	P	Temporary embankment
165	7/29/2010	D-10	7	I-3	6	134.3	7.8	128.7	3.6	95.8%	92%	P	Temporary embankment
166	7/29/2010	D-10	7	I-3	6	134.3	7.8	131.5	2.9	97.9%	92%	P	Temporary embankment
167	7/29/2010	D-12	7	I-3	6	134.3	7.8	130.9	2.4	97.5%	92%	P	Temporary embankment
168	7/29/2010	D-12	6	I-3	6	134.3	7.8	128.5	3.1	95.7%	92%	P	Temporary embankment
169	7/30/2010	D-10	1.7	I-3	8	134.3	8.3	131.2	1.3	97.7%	92%	P	
170	7/30/2010	D-10	1.7	I-3	8	134.3	8.3	129	2.2	96.1%	92%	P	
171	7/30/2010	D-12	1.7	I-3	8	134.3	8.3	128.9	2.1	96.0%	92%	P	
172	7/30/2010	D-12	1.7	I-3	8	134.3	8.3	129	1.9	96.1%	92%	P	
173	7/31/2010	D-17	-12	I-3	8	134.3	8.3	129.6	3.6	96.5%	92%	P	
174	7/31/2010	D-17	-12	I-3	8	134.3	8.3	129.7	3	96.6%	92%	P	
175	7/31/2010	D-17	-12	I-3	8	134.3	8.3	128.7	3.1	95.8%	92%	P	
176	7/31/2010	D-17	-12	I-3	8	134.3	8.3	131.3	2.8	97.8%	92%	P	
177	7/31/2010	D-17	-10	I-3	8	134.3	8.3	129.1	3	96.1%	92%	P	
178	7/31/2010	D-17	-10	I-3	8	134.3	8.3	131.4	2.7	97.8%	92%	P	
179	7/31/2010	D-17	-10	I-3	8	134.3	8.3	131	2.5	97.5%	92%	P	
180	7/31/2010	D-17	-8	I-3	8	134.3	8.3	127.8	4.2	95.2%	92%	P	
181	7/31/2010	D-17	-8	I-3	8	134.3	8.3	130	1.9	96.8%	92%	P	
182	7/31/2010	D-16	-12	I-3	8	134.3	8.3	133	2.5	99.0%	92%	P	
183	7/31/2010	D-16	-12	I-3	8	134.3	8.3	129	1.5	96.1%	92%	P	
184	7/31/2010	D-16	-12	I-3	8	134.3	8.3	128	2.6	95.3%	92%	P	
185	8/2/2010	Along VBW sheeting	*4.5*	I-3	8	134.3	8.3	126.9	0.9	94.5%	92%	P	subbase for I-4 stone, elevation is approximate
186	8/2/2010	Along VBW sheeting	*4.5*	I-3	8	134.3	8.3	129.7	1	96.6%	92%	P	subbase for I-4 stone, elevation is approximate
187	8/2/2010	Along VBW sheeting	*4*	I-3	8	134.3	8.3	131.2	2.3	97.7%	92%	P	subbase for I-4 stone, elevation is approximate
188	8/2/2010	Along VBW sheeting	*4*	I-3	8	134.3	8.3	133	2.6	99.0%	92%	P	subbase for I-4 stone, elevation is approximate
189	8/2/2010	Along VBW sheeting	*4.5*	I-3	8	134.3	8.3	131.8	1.7	98.1%	92%	P	subbase for I-4 stone, elevation is approximate
190	8/2/2010	Along VBW sheeting	*4.5*	I-3	8	134.3	8.3	131.6	1.4	98.0%	92%	P	subbase for I-4 stone, elevation is approximate
191	8/2/2010	D-17	-5.5	I-3	8	134.3	8.3	132.6	1.9	98.7%	92%	P	
192	8/2/2010	D-17	-5.5	I-3	8	134.3	8.3	129	4.1	96.1%	92%	P	
193	8/2/2010	D-17	-5.5	I-3	8	134.3	8.3	126	2.1	93.8%	92%	P	
194	8/2/2010	D-17	-5.5	I-3	8	134.3	8.3	130.2	2.3	96.9%	92%	P	
195	8/2/2010	D-14	-1.5	I-3	8	134.3	8.3	129.3	1.3	96.3%	92%	P	

Table 5-6 In Place Density Testing Results Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

TEST No.	DATE	TEST LOCATION	Elev.	Fill TYPE	TEST DEPTH (in)	LAB (ASTM D1557)		FIELD (ASTM D6938)		PROCTOR DRY DENSITY ACHIEVED (%)	PROCTOR DRY DENSITY REQUIRED (%)	STATUS P / F	COMMENTS
						MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	NUCLEAR DRY DENSITY (pcf)	NUCLEAR MOISTURE (%)				
196	8/2/2010	D-14	-1.5	I-3	8	134.3	8.3	129	3.3	96.1%	92%	P	
197	8/2/2010	D-14	-1.5	I-3	8	134.3	8.3	130.7	1.5	97.3%	92%	P	
198	8/2/2010	D-16	-10	I-3	8	134.3	8.3	134.1	3.1	99.9%	92%	P	
199	8/2/2010	D-16	-10	I-3	8	134.3	8.3	132.5	1.9	98.7%	92%	P	
200	8/2/2010	D-17	-7	I-3	8	134.3	8.3	130.9	2.2	97.5%	92%	P	
201	8/2/2010	D-17	-7	I-3	8	134.3	8.3	128	2.8	95.3%	92%	P	
202	8/2/2010	D-17	-7	I-3	8	134.3	8.3	131.1	2.4	97.6%	92%	P	
203	8/2/2010	D-16	-8	I-3	8	134.3	8.3	131.4	2	97.8%	92%	P	
204	8/2/2010	D-16	-8	I-3	8	134.3	8.3	130	3.8	96.8%	92%	P	
205	8/2/2010	D-17	-4	I-3	8	134.3	8.3	131.4	2.3	97.8%	92%	P	
206	8/2/2010	D-17	-4	I-3	8	134.3	8.3	130.8	3.2	97.4%	92%	P	
207	8/2/2010	D-14	-0.5	I-3	8	134.3	8.3	127.9	1.6	95.2%	92%	P	
208	8/2/2010	D-16	-7	I-3	8	134.3	8.3	127.9	2.8	95.2%	92%	P	
209	8/2/2010	D-16	-7	I-3	8	134.3	8.3	129.2	3	96.2%	92%	P	
210	8/2/2010	D-16	-7	I-3	8	134.3	8.3	132.2	2.5	98.4%	92%	P	
211	8/3/2010	D-14	-0.5	I-3	8	134.3	8.3	131.4	1.4	97.8%	92%	P	
212	8/3/2010	D-14	-0.5	I-3	8	134.3	8.3	128.1	2.1	95.4%	92%	P	
213	8/3/2010	D-17	-1.5	I-3	8	134.3	8.3	132	2.7	98.3%	92%	P	
214	8/3/2010	D-17	-1.5	I-3	8	134.3	8.3	129.3	2.4	96.3%	92%	P	
215	8/3/2010	D-16	-4	I-3	8	134.3	8.3	129.7	1.8	96.6%	92%	P	
216	8/3/2010	D-16	-4	I-3	8	134.3	8.3	130.2	3.3	96.9%	92%	P	
217	8/3/2010	D-16	-4	I-3	8	134.3	8.3	127.9	4.1	95.2%	92%	P	
218	8/3/2010	Along VBW sheeting	*4*	I-3	8	134.3	8.3	130.2	1.9	96.9%	92%	P	subbase for I-4 stone, elevation is approximate
219	8/3/2010	Along VBW sheeting	*4*	I-3	8	134.3	8.3	132.8	1.6	98.9%	92%	P	subbase for I-4 stone, elevation is approximate
220	8/3/2010	Along VBW sheeting	*4*	I-3	8	134.3	8.3	132.7	2.4	98.8%	92%	P	subbase for I-4 stone, elevation is approximate
221	8/3/2010	Along VBW sheeting	*4*	I-3	8	134.3	8.3	129.6	1.5	96.5%	92%	P	subbase for I-4 stone, elevation is approximate
222	8/3/2010	Along VBW sheeting	*4*	I-3	8	134.3	8.3	133.7	2.6	99.6%	92%	P	subbase for I-4 stone, elevation is approximate
223	8/3/2010	D-14	0.3	I-3	8	134.3	8.3	127.7	2.1	95.1%	92%	P	
224	8/3/2010	D-14	0.3	I-3	8	134.3	8.3	129.6	2.1	96.5%	92%	P	
225	8/3/2010	D-14	0.3	I-3	8	134.3	8.3	131.1	2.2	97.6%	92%	P	
226	8/3/2010	D-16	-2	I-3	8	134.3	8.3	133	3.3	99.0%	92%	P	
227	8/3/2010	D-16	-2	I-3	8	134.3	8.3	132.1	2.4	98.4%	92%	P	
228	8/3/2010	D-17	0	I-3	8	134.3	8.3	132.7	1.6	98.8%	92%	P	
229	8/3/2010	D-17	0	I-3	8	134.3	8.3	128.7	2.3	95.8%	92%	P	
230	8/3/2010	D-14	1.7	I-3	8	134.3	8.3	130.1	1.4	96.9%	92%	P	
231	8/3/2010	D-14	2	I-3	8	134.3	8.3	128.1	1.4	95.4%	92%	P	
232	8/3/2010	D-12	1.7	I-3	8	134.3	8.3	130	3.1	96.8%	92%	P	
233	8/3/2010	D-12	2	I-3	8	134.3	8.3	133.4	1.6	99.3%	92%	P	
234	8/3/2010	D-10	2.5	I-3	8	134.3	8.3	130.8	2.8	97.4%	92%	P	
235	8/3/2010	D-7	3	I-3	8	134.3	8.3	131.7	2.2	98.1%	92%	P	
236	8/3/2010	D-7	2	I-3	8	134.3	8.3	130.4	2.6	97.1%	92%	P	
237	8/3/2010	D-16	-2	I-3	8	134.3	8.3	127.7	3.2	95.1%	92%	P	
238	8/3/2010	D-4	-2.333	I-3	8	134.3	8.3	128.7	3.1	95.8%	92%	P	
239	8/3/2010	D-4	-2.333	I-3	8	134.3	8.3	131.1	2.7	97.6%	92%	P	
240	8/3/2010	D-16	0	I-3	8	134.3	8.3	128.7	1.6	95.8%	92%	P	
241	8/4/2010	D-16	0	I-3	8	134.3	8.3	130	2.4	96.8%	92%	P	
242	8/4/2010	D-16	0	I-3	8	134.3	8.3	127.8	1.3	95.2%	92%	P	

Table 5-6 In Place Density Testing Results Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

TEST No.	DATE	TEST LOCATION	Elev.	Fill TYPE	TEST DEPTH (in)	LAB (ASTM D1557)		FIELD (ASTM D6938)		PROCTOR DRY DENSITY ACHIEVED (%)	PROCTOR DRY DENSITY REQUIRED (%)	STATUS P / F	COMMENTS
						MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	NUCLEAR DRY DENSITY (pcf)	NUCLEAR MOISTURE (%)				
243	8/4/2010	D-16	0	I-3	8	134.3	8.3	128.5	2.8	95.7%	92%	P	
244	8/4/2010	D-17	2	I-3	8	134.3	8.3	129	1.6	96.1%	92%	P	
245	8/4/2010	D-17	1	I-3	8	134.3	8.3	130.1	1.8	96.9%	92%	P	
246	8/4/2010	D-14	4	I-3	8	134.3	8.3	129	1.6	96.1%	92%	P	
247	8/4/2010	D-14	3	I-3	8	134.3	8.3	127.7	2.1	95.1%	92%	P	
248	8/4/2010	D-12	3	I-3	8	134.3	8.3	130.3	2	97.0%	92%	P	
249	8/4/2010	D-12	4	I-3	8	134.3	8.3	130.4	4.1	97.1%	92%	P	
250	8/4/2010	D-10	3	I-3	8	134.3	8.3	130.9	3.8	97.5%	92%	P	
251	8/4/2010	D-7	3.5	I-3	8	134.3	8.3	131.1	3.4	97.6%	92%	P	
252	8/4/2010	D-7	4	I-3	8	134.3	8.3	131.8	3.7	98.1%	92%	P	
253	8/4/2010	D-17	3	I-3	8	134.3	8.3	129	2.4	96.1%	92%	P	
254	8/4/2010	D-14	2.5	I-3	8	134.3	8.3	128	4.2	95.3%	92%	P	
255	8/4/2010	"Prop. Parking Area"	0.3	I-3	8	134.3	8.3	129.5	2.6	96.4%	92%	P	Area D
256	8/4/2010	"Prop. Parking Area"	1.4	I-3	8	134.3	8.3	129.3	2.9	96.3%	92%	P	Area D
257	8/4/2010	"Prop. Parking Area"	1.3	I-3	8	134.3	8.3	127.8	1.8	95.2%	92%	P	Area D
258	8/4/2010	"Prop. Parking Area"	1.5	I-3	8	134.3	8.3	132.6	3.8	98.7%	92%	P	Area D
259	8/4/2010	D-16	1	I-3	8	134.3	8.3	134.4	4.1	100.1%	92%	P	
260	8/4/2010	D-16	1	I-3	8	134.3	8.3	128.9	5	96.0%	92%	P	
261	8/4/2010	D-16	2	I-3	8	134.3	8.3	131.3	3.5	97.8%	92%	P	
262	8/4/2010	D-4	0	I-3	8	134.3	8.3	131.9	3.2	98.2%	92%	P	
263	8/4/2010	D-4	1	I-3	8	134.3	8.3	129.8	3	96.6%	92%	P	
264	8/4/2010	D-16	2	I-3	8	134.3	8.3	128.3	3.9	95.5%	92%	P	
265	8/5/2010	D-4	2	I-3	8	134.3	8.3	128.5	1.4	95.7%	92%	P	
266	8/5/2010	D-4	2	I-3	8	134.3	8.3	129.8	1.3	96.6%	92%	P	
267	8/5/2010	D-16	3	I-3	8	134.3	8.3	129.9	3.6	96.7%	92%	P	
268	8/5/2010	D-17	4	I-3	8	134.3	8.3	133	4.4	99.0%	92%	P	
269	8/5/2010	D-17	3.5	I-3	8	134.3	8.3	129.1	3.2	96.1%	92%	P	
270	8/5/2010	D-4	3	I-3	8	134.3	8.3	130	2.3	96.8%	92%	P	
271	8/5/2010	D-4	3	I-3	8	134.3	8.3	130.6	3	97.2%	92%	P	
272	8/5/2010	"Prop. Parking Area"	3.2	I-3	8	134.3	8.3	126.6	2.6	94.3%	92%	P	
273	8/5/2010	"Prop. Parking Area"	3.2	I-3	8	134.3	8.3	128.6	4.7	95.8%	92%	P	
274	8/5/2010	D-4	4	I-3	8	134.3	8.3	129.6	1.5	96.5%	92%	P	
275	8/5/2010	D-4	4	I-3	8	134.3	8.3	130.1	2.4	96.9%	92%	P	
276	8/5/2010	D-16	4	I-3	8	134.3	8.3	129.1	2.4	96.1%	92%	P	
277	8/5/2010	D-16	4	I-3	8	134.3	8.3	127.5	3.5	94.9%	92%	P	
278	8/5/2010	D-16	4	I-3	8	134.3	8.3	129.8	2.1	96.6%	92%	P	
279	8/6/2010	D-17	2	I-3	8	134.3	8.3	133.2	2.1	99.2%	92%	P	
280	8/6/2010	D-17	2	I-3	8	134.3	8.3	134.2	2.7	99.9%	92%	P	
281	8/6/2010	D-17	3	I-3	8	134.3	8.3	131.4	4.2	97.8%	92%	P	
282	8/6/2010	D-17	3.5	I-3	8	134.3	8.3	130.2	4.9	96.9%	92%	P	
283	8/6/2010	D-17	4	I-3	8	134.3	8.3	134.4	3.4	100.1%	92%	P	
284	8/6/2010	D-17	4	I-3	8	134.3	8.3	130.9	2.1	97.5%	92%	P	
285	8/6/2010	D-17	4	I-3	8	134.3	8.3	131.6	2.9	98.0%	92%	P	
286	8/6/2010	D-17	4	I-3	8	135.8	8.2	132.1	2.3	97.3%	92%	P	
287	8/6/2010	D-17	4	I-3	8	135.8	8.2	130.6	1.7	96.2%	92%	P	
288	8/6/2010	D-10	4	I-3	8	135.8	8.2	130.3	3.5	95.9%	92%	P	
289	8/6/2010	D-10	4	I-3	8	135.8	8.2	130.2	3.4	95.9%	92%	P	
290	8/6/2010	D-14	3.5	I-3	8	135.8	8.2	134.6	8.6	99.1%	92%	P	
291	8/6/2010	D-14	3	I-3	8	135.8	8.2	135.8	8.2	100.0%	92%	P	
292	8/6/2010	D-14	2.7	I-3	8	135.8	8.2	131.2	10.5	96.6%	92%	P	

Table 5-6 In Place Density Testing Results Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

TEST No.	DATE	TEST LOCATION	Elev.	Fill TYPE	TEST DEPTH (in)	LAB (ASTM D1557)		FIELD (ASTM D6938)		PROCTOR DRY DENSITY ACHIEVED (%)	PROCTOR DRY DENSITY REQUIRED (%)	STATUS P / F	COMMENTS
						MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	NUCLEAR DRY DENSITY (pcf)	NUCLEAR MOISTURE (%)				
293	8/9/2010	D-17	*5.5*	I-4	10	136.8	7.1	133.7	2.8	97.7%	92%	P	Developed Area Cap Subbase, elevation is approximate
294	8/9/2010	D-17	*5.5*	I-4	10	136.8	7.1	131.1	2.6	95.8%	92%	P	Developed Area Cap Subbase, elevation is approximate
295	8/9/2010	D-17	*5.5*	I-4	10	136.8	7.1	134.1	2.1	98.0%	92%	P	Developed Area Cap Subbase, elevation is approximate
296	8/9/2010	D-17	*5.5*	I-4	10	136.8	7.1	131.6	2.4	96.2%	92%	P	Developed Area Cap Subbase, elevation is approximate
297	8/9/2010	D-14	*3*	I-3	10	136.8	7.1	131.4	2.6	96.1%	92%	P	subbase for I-4 stone, elevation is approximate
298	8/9/2010	D-14	*3*	I-3	10	136.8	7.1	129.7	2.7	94.8%	92%	P	subbase for I-4 stone, elevation is approximate
299	8/9/2010	D-14	*3*	I-3	10	136.8	7.1	131.4	2.4	96.1%	92%	P	subbase for I-4 stone, elevation is approximate
300	8/9/2010	D-7	*5.5*	I-4	10	136.8	7.1	130.7	2.1	95.5%	92%	P	Developed Area Cap Subbase, elevation is approximate
301	8/9/2010	D-7	*5.5*	I-4	10	136.8	7.1	128.7	2.5	94.1%	92%	P	Developed Area Cap Subbase, elevation is approximate
302	8/10/2010	D-18	*3.5*	I-3	10	131.2	10.2	127	3.4	96.8%	92%	P	subbase for I-4 stone, elevation is approximate
303	8/10/2010	D-18	*3.5*	I-3	10	131.2	10.2	124.5	3.5	94.9%	92%	P	subbase for I-4 stone, elevation is approximate
304	8/10/2010	D-18	*3.5*	I-3	10	131.2	10.2	131.4	2.2	100.2%	92%	P	subbase for I-4 stone, elevation is approximate
305	8/10/2010	D-5	*3.5*	I-3	10	131.2	10.2	130.8	1.8	99.7%	92%	P	subbase for I-4 stone, elevation is approximate
306	8/10/2010	D-5	*3.5*	I-3	10	131.2	10.2	131.8	1.4	100.5%	92%	P	subbase for I-4 stone, elevation is approximate
307	8/10/2010	D-19	*3.5*	I-3	10	131.2	10.2	131.3	2	100.1%	92%	P	subbase for I-4 stone, elevation is approximate
308	8/10/2010	D-10	*4*	I-4	10	136.8	7.1	129.7	2.7	94.8%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
309	8/10/2010	D-10	*4*	I-4	10	136.8	7.1	131.3	2.4	96.0%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
310	8/10/2010	D-12	*4*	I-4	8	136.8	7.1	131.1	1.5	95.8%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
311	8/10/2010	D-12	*4*	I-4	10	136.8	7.1	129	1.7	94.3%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
312	8/10/2010	D-12	*4*	I-4	10	136.8	7.1	129.8	2	94.9%	92%	P	Developed Area Cap Subgrade. Elevations are approximate

Table 5-6 In Place Density Testing Results Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

TEST No.	DATE	TEST LOCATION	Elev.	Fill TYPE	TEST DEPTH (in)	LAB (ASTM D1557)		FIELD (ASTM D6938)		PROCTOR DRY DENSITY ACHIEVED (%)	PROCTOR DRY DENSITY REQUIRED (%)	STATUS P / F	COMMENTS
						MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	NUCLEAR DRY DENSITY (pcf)	NUCLEAR MOISTURE (%)				
313	8/10/2010	D-14	*4*	I-4	10	136.8	7.1	128.6	3.2	94.0%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
314	8/10/2010	D-14	*4*	I-4	10	136.8	7.1	132	2	96.5%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
315	8/12/2010	D-2	*4.5*	I-4	8	136.8	7.1	130.3	2.6	95.2%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
316	8/12/2010	D-3	*4.5*	I-4	8	136.8	7.1	130.3	2.9	95.2%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
317	8/12/2010	D-3	*4.5*	I-4	8	136.8	7.1	128	3	93.6%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
318	8/12/2010	D-4	*4.5*	I-4	8	136.8	7.1	131.5	3.5	96.1%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
319	8/12/2010	D-17	*5*	I-4	8	136.8	7.1	132.6	2.9	96.9%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
320	8/12/2010	D-7	*5*	I-4	8	136.8	7.1	130	3.3	95.0%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
321	8/12/2010	D-10	*5*	I-4	8	136.8	7.1	132.6	1.4	96.9%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
322	8/12/2010	D-11	*5.5*	I-4	8	136.8	7.1	128.8	2	94.2%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
323	8/12/2010	D-9	*4*	I-3	8	134.6	8.6	133.3	2.4	99.0%	92%	P	subbase for I-4 stone, elevation is approximate
324	8/12/2010	D-9	*4*	I-3	8	134.6	8.6	131.5	2.3	97.7%	92%	P	subbase for I-4 stone, elevation is approximate
325	8/12/2010	D-6	*3.6*	I-3	8	134.6	8.6	131.6	2.6	97.8%	92%	P	subbase for I-4 stone, elevation is approximate
326	8/12/2010	D-6	*5*	I-4	6	136.8	7.1	130.2	1.6	95.2%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
327	8/12/2010	D-9	*5*	I-4	6	136.8	7.1	132.2	1.2	96.6%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
328	8/12/2010	D-9	*5*	I-4	6	136.8	7.1	131.3	1.3	96.0%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
329	8/17/2010	Between Wolf and US Life Warehouse	*3.55*	I-4	6	136.8	7.1	132.2	6.1	96.6%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
330	8/17/2010	Between Wolf and US Life Warehouse	*3.55*	I-4	6	136.8	7.1	129.7	5.6	94.8%	92%	P	Developed Area Cap Subgrade. Elevations are approximate

Table 5-6 In Place Density Testing Results Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

TEST No.	DATE	TEST LOCATION	Elev.	Fill TYPE	TEST DEPTH (in)	LAB (ASTM D1557)		FIELD (ASTM D6938)		PROCTOR DRY DENSITY ACHIEVED (%)	PROCTOR DRY DENSITY REQUIRED (%)	STATUS P / F	COMMENTS
						MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	NUCLEAR DRY DENSITY (pcf)	NUCLEAR MOISTURE (%)				
331	8/17/2010	Between Wolf and US Life Warehouse	*3.55*	I-4	6	136.8	7.1	129.3	5.5	94.5%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
332	8/17/2010	Between Wolf and US Life Warehouse	*3.55*	I-4	6	136.8	7.1	130.1	5.5	95.1%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
333	8/17/2010	D-12	*5*	I-4	6	136.8	7.1	128.6	3.5	94.0%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
334	8/17/2010	East Side of Wolf Warehouse	*3.55*	I-4	8	136.8	7.1	134.4	6.7	98.2%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
335	8/17/2010	East Side of Wolf Warehouse	*3.55*	I-5	8	136.8	7.1	131.3	7.1	96.0%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
336	8/17/2010	East Side of Wolf Warehouse	*3.55*	I-6	8	136.8	7.1	129	7.2	94.3%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
337	8/17/2010	East Side of Wolf Warehouse	*3.55*	I-7	8	136.8	7.1	129.2	4.2	94.4%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
338	8/17/2010	East Side of Wolf Warehouse	*3.55*	I-8	8	136.8	7.1	131.5	4.1	96.1%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
339	8/19/2010	Between Wolf and US Life Warehouse	*3.55*	I-4	8	136.9	7.6	134.1	2.3	98.0%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
340	8/19/2010	Between Wolf and US Life Warehouse	*3.55*	I-4	8	136.9	7.6	132.7	2.4	96.9%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
341	8/19/2010	Between Wolf and US Life Warehouse	*3.55*	I-4	8	136.9	7.6	133.7	1.8	97.7%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
342	8/19/2010	Between Wolf and US Life Warehouse	*3.55*	I-4	8	136.9	7.6	136.5	2.4	99.7%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
343	8/19/2010	Between Wolf and US Life Warehouse	*3.55*	I-4	8	136.9	7.6	136.6	3	99.8%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
344	8/19/2010	Between Wolf and US Life Warehouse	*3.55*	I-4	8	136.9	7.6	134.9	1.9	98.5%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
345	8/19/2010	Between Wolf and US Life Warehouse	*3.55*	I-4	8	136.9	7.6	133.9	2.1	97.8%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
346	8/19/2010	East Side of Wolf Warehouse	*4.4*	I-5	8	136.9	7.6	136.3	1.9	99.6%	92%	P	Developed Area Cap Subgrade. Elevations are approximate
347	8/19/2010	Southeast Side of Wolf Warehouse	*4.4*	I-6	8	136.9	7.6	136.7	2.4	99.9%	92%	P	Developed Area Cap Subgrade. Elevations are approximate

Table 5-6 In Place Density Testing Results Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

TEST No.	DATE	TEST LOCATION	Elev.	Fill TYPE	TEST DEPTH (in)	LAB (ASTM D1557)		FIELD (ASTM D6938)		PROCTOR DRY DENSITY ACHIEVED (%)	PROCTOR DRY DENSITY REQUIRED (%)	STATUS P / F	COMMENTS
						MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	NUCLEAR DRY DENSITY (pcf)	NUCLEAR MOISTURE (%)				
348	9/22/2010	Undeveloped Area Cap Area 1	8 - 10	Maddox Clay	8	103.5	19.7	93.2	33.8	90.0%	90%	P	k=2.6 x 10-7
349	9/22/2010	Undeveloped Area Cap Area 1	8 - 10	Maddox Clay	8	103.5	19.7	93.5	31.9	90.3%	90%	P	k=2.6 x 10-7
350	9/22/2010	Undeveloped Area Cap Area 1	8 - 10	Maddox Clay	8	103.5	19.7	95	23.9	91.8%	90%	P	k=2.6 x 10-7
351	9/22/2010	Undeveloped Area Cap Area 1	8 - 10	Maddox Clay	8	103.5	19.7	93.2	29	90.0%	90%	P	k=2.6 x 10-7
352	9/25/2010	Undeveloped Area Cap Area 1	8 - 10	Maddox Clay	6	101	21.6	93.2	25	92.3%	90%	P	k=2.6 x 10-7
353	9/25/2010	Undeveloped Area Cap Area 1	8 - 10	Maddox Clay	6	101	21.6	91.7	25.3	90.8%	90%	P	k=2.6 x 10-7
354	9/25/2010	Undeveloped Area Cap Area 1	8 - 10	Maddox Clay	6	101	21.6	94.2	26	93.3%	90%	P	k=2.6 x 10-7
355	9/25/2010	Undeveloped Area Cap Area 1	8 - 10	Maddox Clay	6	101	21.6	91.2	25.9	90.3%	90%	P	k=2.6 x 10-7
356	9/25/2010	Undeveloped Area Cap Area 1	8 - 10	Maddox Clay	6	101	21.6	91.4	26	90.5%	90%	P	k=2.6 x 10-7
357	9/25/2010	Undeveloped Area Cap Area 1	8 - 10	Maddox Clay	6	101	21.6	91.9	25.7	91.0%	90%	P	k=2.6 x 10-7
358	9/25/2010	Undeveloped Area Cap Area 1	8 - 10	Maddox Clay	6	101	21.6	91.1	26.5	90.2%	90%	P	k=2.6 x 10-7
359	9/25/2010	Undeveloped Area Cap Area 2	8 - 10	Maddox Clay	6	101	21.6	91.5	25.7	90.6%	90%	P	
360	9/25/2010	Undeveloped Area Cap Area 2	8 - 10	Maddox Clay	6	101	21.6	92.3	26.4	91.4%	90%	P	
361	9/25/2010	Undeveloped Area Cap Area 2	8 - 10	Maddox Clay	6	101	21.6	92.5	24.9	91.6%	90%	P	
362	9/25/2010	Undeveloped Area Cap Area 2	8 - 10	Maddox Clay	6	101	21.6	91.1	27.8	90.2%	90%	P	
363	9/25/2010	Undeveloped Area Cap Area 2	8 - 10	Maddox Clay	6	101	21.6	91.6	26.9	90.7%	90%	P	
364	9/25/2010	Undeveloped Area Cap Area 2	8 - 10	Maddox Clay	6	101	21.6	91.2	26.4	90.3%	90%	P	
365	9/25/2010	Undeveloped Area Cap Area 2	8 - 10	Maddox Clay	6	101	21.6	91.4	26.7	90.5%	90%	P	
366	10/2/2010	RR Excavation 1	6.5	I-4	6	135.4	8.1	130.8	3	96.6%	95%	P	
367	10/2/2010	RR Excavation 1	6.5	I-4	6	135.4	8.1	130.1	2.8	96.1%	95%	P	
368	10/2/2010	RR Excavation 2	6.5	I-4	6	135.4	8.1	129.4	5.2	95.6%	95%	P	
369	10/2/2010	RR Excavation 2	6.5	I-4	6	135.4	8.1	130.5	4.8	96.4%	95%	P	
370	10/2/2010	RR Excavation 3	6.5	I-4	6	135.4	8.1	129.7	6.3	95.8%	95%	P	
371	10/2/2010	RR Excavation 3	6.5	I-4	6	135.4	8.1	128.8	6.1	95.1%	95%	P	
372	10/11/2010	Undeveloped Area Cap Area 2	8 - 11	Maddox Clay	6	103.3	19	93.8	23.7	90.8%	90%	P	k=3.5x10-7
373	10/11/2010	Undeveloped Area Cap Area 2	8 - 11	Maddox Clay	6	103.3	19	94.2	21.3	91.2%	90%	P	k=3.5x10-7
374	10/11/2010	Undeveloped Area Cap Area 2	8 - 11	Maddox Clay	6	103.3	19	93.8	22.6	90.8%	90%	P	k=3.5x10-7
375	10/11/2010	Undeveloped Area Cap Area 2	8 - 11	Maddox Clay	6	103.3	19	95.3	20.5	92.3%	90%	P	k=3.5x10-7
376	10/11/2010	Undeveloped Area Cap Area 4	8 - 13	Maddox Clay	6	103.3	19	93.4	20.9	90.4%	90%	P	k=4.9x10-7

Table 5-6 In Place Density Testing Results Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

TEST No.	DATE	TEST LOCATION	Elev.	Fill TYPE	TEST DEPTH (in)	LAB (ASTM D1557)		FIELD (ASTM D6938)		PROCTOR DRY DENSITY ACHIEVED (%)	PROCTOR DRY DENSITY REQUIRED (%)	STATUS P / F	COMMENTS
						MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	NUCLEAR DRY DENSITY (pcf)	NUCLEAR MOISTURE (%)				
377	10/11/2010	Undeveloped Area Cap Area 4	8 - 13	Maddox Clay	6	103.3	19	93.4	21.6	90.4%	90%	P	k=4.9x10-7
378	10/11/2010	Undeveloped Area Cap Area 4	8 - 13	Maddox Clay	6	103.3	19	94.2	22.1	91.2%	90%	P	k=4.9x10-7
379	10/11/2010	Undeveloped Area Cap Area 4	8 - 13	Maddox Clay	6	103.3	19	93.6	21.7	90.6%	90%	P	k=4.9x10-7
380	10/11/2010	Undeveloped Area Cap Area 5	10 - 13	Maddox Clay	6	103.3	19	93.8	21.7	90.8%	90%	P	k=5.9x10-7
381	10/11/2010	Undeveloped Area Cap Area 5	10 - 13	Maddox Clay	6	103.3	19	94.6	22.4	91.6%	90%	P	k=5.9x10-7
382	10/11/2010	Undeveloped Area Cap Area 5	10 - 13	Maddox Clay	6	103.3	19	93.4	22.3	90.4%	90%	P	k=5.9x10-7
383	10/11/2010	Undeveloped Area Cap Area 5	10 - 13	Maddox Clay	6	103.3	19	94.4	22.6	91.4%	90%	P	k=5.9x10-7
384	10/11/2010	Undeveloped Area Cap Area 15	10 - 14	Maddox Clay	6	103.3	19	94.4	23.8	91.4%	90%	P	k=6.4x10-7
385	10/11/2010	Undeveloped Area Cap Area 15	10 - 14	Maddox Clay	6	103.3	19	93.8	22.6	90.8%	90%	P	k=6.4x10-7
386	10/11/2010	Undeveloped Area Cap Area 15	10 - 14	Maddox Clay	6	103.3	19	94.2	22.1	91.2%	90%	P	k=6.4x10-7
387	10/11/2010	Undeveloped Area Cap Area 15	10 - 14	Maddox Clay	6	103.3	19	93.8	21.4	90.8%	90%	P	k=6.4x10-7
388	10/21/2010	Ethel Blvd Subgrade	5.5	I-4	6	132.7	8.7	130.7	2.9	98.5%	92%	P	
389	10/21/2010	Ethel Blvd Subgrade	5.5	I-4	4	132.7	8.7	129.5	2.6	97.6%	92%	P	
390	10/21/2010	Ethel Blvd Subgrade	5.5	I-4	6	132.7	8.7	131.1	3.6	98.8%	92%	P	
391	10/21/2010	Ethel Blvd Subgrade	5.5	I-4	6	132.7	8.7	132.7	3.1	100.0%	92%	P	
392	10/21/2010	Ethel Blvd Subgrade	5.5	I-4	4	132.7	8.7	131.8	3.3	99.3%	92%	P	
393	10/21/2010	Ethel Blvd Subgrade	5.5	I-4	6	132.7	8.7	130.3	3.5	98.2%	92%	P	
394	10/21/2010	Ethel Blvd Subgrade	5.5	I-4	6	132.7	8.7	129.1	3.3	97.3%	92%	P	
395	10/21/2010	Undeveloped Area Cap Area 11	8 - 14	Maddox Clay	6	104.3	18.6	96	23	92.0%	90%	P	k=8.8x10-8
396	10/21/2010	Undeveloped Area Cap Area 11	8 - 14	Maddox Clay	6	104.3	18.6	95.7	24.2	91.8%	90%	P	k=8.8x10-8
397	10/21/2010	Undeveloped Area Cap Area 11	8 - 14	Maddox Clay	6	104.3	18.6	95.3	22.7	91.4%	90%	P	k=8.8x10-8
398	10/21/2010	Undeveloped Area Cap Area 11	8 - 14	Maddox Clay	6	104.3	18.6	96.2	22.7	92.2%	90%	P	k=8.8x10-8
399	10/21/2010	Undeveloped Area Cap Area 12	13 - 15	Maddox Clay	6	104.3	18.6	95.3	24.3	91.4%	90%	P	k=1x10-7
400	10/21/2010	Undeveloped Area Cap Area 12	13 - 15	Maddox Clay	6	104.3	18.6	94.3	26.1	90.4%	90%	P	k=1x10-7
401	10/21/2010	Undeveloped Area Cap Area 12	13 - 15	Maddox Clay	6	104.3	18.6	94.4	26.8	90.5%	90%	P	k=1x10-7
402	10/21/2010	Undeveloped Area Cap Area 12	13 - 15	Maddox Clay	6	104.3	18.6	95.1	25.9	91.2%	90%	P	k=1x10-7
403	10/21/2010	Undeveloped Area Cap Area 14	10 - 14	Maddox Clay	6	104.3	18.6	94.7	25.2	90.8%	90%	P	k=1.7x10-7
404	10/21/2010	Undeveloped Area Cap Area 14	10 - 14	Maddox Clay	6	104.3	18.6	94.2	25.7	90.3%	90%	P	k=1.7x10-7
405	10/21/2010	Undeveloped Area Cap Area 14	10 - 14	Maddox Clay	6	104.3	18.6	95.3	24.7	91.4%	90%	P	k=1.7x10-7

Table 5-6 In Place Density Testing Results Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

TEST No.	DATE	TEST LOCATION	Elev.	Fill TYPE	TEST DEPTH (in)	LAB (ASTM D1557)		FIELD (ASTM D6938)		PROCTOR DRY DENSITY ACHIEVED (%)	PROCTOR DRY DENSITY REQUIRED (%)	STATUS P / F	COMMENTS
						MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	NUCLEAR DRY DENSITY (pcf)	NUCLEAR MOISTURE (%)				
406	10/21/2010	Undeveloped Area Cap Area 14	10 - 14	Maddox Clay	6	104.3	18.6	94.4	25.2	90.5%	90%	P	k=1.7x10-7
407	11/1/2010	West Ditch 55ft Buffer	5 - 6	Common Fill	6	136.9	7.6	132.2	5	96.6%	92%	P	
408	11/1/2010	West Ditch 55ft Buffer	5 - 6	Common Fill	6	136.9	7.6	133.1	4.3	97.2%	92%	P	
409	11/1/2010	West Ditch 55ft Buffer	5 - 6	Common Fill	4	136.9	7.6	132.1	4	96.5%	92%	P	
410	11/1/2010	West Ditch 55ft Buffer	5 - 6	Common Fill	6	136.9	7.6	131	5.4	95.7%	92%	P	
411	11/1/2010	West Ditch 55ft Buffer	5 - 6	Common Fill	6	136.9	7.6	130.6	4.4	95.4%	92%	P	
412	11/1/2010	West Ditch 55ft Buffer	5 - 6	Common Fill	4	136.9	7.6	132.2	3.2	96.6%	92%	P	
413	11/1/2010	West Ditch 55ft Buffer	5 - 6	Common Fill	6	136.9	7.6	133.2	4.7	97.3%	92%	P	
414	11/1/2010	Undeveloped Area Cap Area 6	8 - 10	Maddox Clay	6	104.3	18.6	94.2	23.8	90.3%	90%	P	k=6.7x10-7
415	11/1/2010	Undeveloped Area Cap Area 6	8 - 10	Maddox Clay	6	104.3	18.6	94.4	21.4	90.5%	90%	P	k=6.7x10-7
416	11/1/2010	Undeveloped Area Cap Area 6	8 - 10	Maddox Clay	6	104.3	18.6	95.1	22.4	91.2%	90%	P	k=6.7x10-7
417	11/1/2010	Undeveloped Area Cap Area 6	8 - 10	Maddox Clay	6	104.3	18.6	94.6	23.4	90.7%	90%	P	k=6.7x10-7
418	11/1/2010	Undeveloped Area Cap Area 8	10 - 14	Maddox Clay	6	104.3	18.6	94.2	23.6	90.3%	90%	P	k=9.4x10-7
419	11/1/2010	Undeveloped Area Cap Area 8	10 - 14	Maddox Clay	6	104.3	18.6	93.9	24.6	90.0%	90%	P	k=9.4x10-7
420	11/1/2010	Undeveloped Area Cap Area 8	10 - 14	Maddox Clay	6	104.3	18.6	94.2	23.1	90.3%	90%	P	k=9.4x10-7
421	11/1/2010	Undeveloped Area Cap Area 8	10 - 14	Maddox Clay	6	104.3	18.6	94.4	23.3	90.5%	90%	P	k=9.4x10-7
422	11/1/2010	Undeveloped Area Cap Area 7	10 - 14	Maddox Clay	6	105.3	19.2	95.4	23	90.6%	90%	P	k=1.1x10-6
423	11/1/2010	Undeveloped Area Cap Area 7	10 - 14	Maddox Clay	6	105.3	19.2	95.6	23.3	90.8%	90%	P	k=1.1x10-6
424	11/1/2010	Undeveloped Area Cap Area 7	10 - 14	Maddox Clay	6	105.3	19.2	96.3	22.4	91.5%	90%	P	k=1.1x10-6
425	11/1/2010	Undeveloped Area Cap Area 7	10 - 14	Maddox Clay	6	105.3	19.2	95.4	23.4	90.6%	90%	P	k=1.1x10-6
426	11/12/2010	Undeveloped Area Cap Area 13	8 - 11	Maddox Clay	6	104.3	18.6	94.3	24.7	90.4%	90%	P	k=3.4x10-7
427	11/12/2010	Undeveloped Area Cap Area 13	8 - 11	Maddox Clay	6	105.3	19.2	95.2	23.6	90.4%	90%	P	k=3.4x10-7
428	11/12/2010	Undeveloped Area Cap Area 13	8 - 11	Maddox Clay	6	105.3	19.2	95.1	25.7	90.3%	90%	P	k=3.4x10-7
429	11/12/2010	Undeveloped Area Cap Area 13	8 - 11	Maddox Clay	6	105.3	19.2	95.3	24.9	90.5%	90%	P	k=3.4x10-7
430	11/12/2010	Undeveloped Area Cap Area 16	9 - 12	Maddox Clay	6	105.3	19.2	96.1	23.2	91.3%	90%	P	k=7.7x10-7
431	11/12/2010	Undeveloped Area Cap Area 16	9 - 12	Maddox Clay	6	105.3	19.2	95.3	24.9	90.5%	90%	P	k=7.7x10-7
432	11/12/2010	Undeveloped Area Cap Area 16	9 - 12	Maddox Clay	6	105.3	19.2	95.8	24.9	91.0%	90%	P	k=7.7x10-7
433	11/12/2010	Undeveloped Area Cap Area 16	9 - 12	Maddox Clay	6	105.3	19.2	96	23.5	91.2%	90%	P	k=7.7x10-7
434	11/12/2010	Undeveloped Area Cap Area 3	5 - 10	Maddox Clay	6	104.3	18.6	93.9	24.7	90.0%	90%	P	k=9.3x10-7

Table 5-6 In Place Density Testing Results Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

TEST No.	DATE	TEST LOCATION	Elev.	Fill TYPE	TEST DEPTH (in)	LAB (ASTM D1557)		FIELD (ASTM D6938)		PROCTOR DRY DENSITY ACHIEVED (%)	PROCTOR DRY DENSITY REQUIRED (%)	STATUS P / F	COMMENTS
						MAXIMUM DRY DENSITY (pcf)	OPTIMUM MOISTURE (%)	NUCLEAR DRY DENSITY (pcf)	NUCLEAR MOISTURE (%)				
435	11/12/2010	Undeveloped Area Cap Area 3	5 - 10	Maddox Clay	6	104.3	18.6	94.4	23.8	90.5%	90%	P	k=9.3x10-7
436	11/12/2010	Undeveloped Area Cap Area 3	5 - 10	Maddox Clay	6	104.3	18.6	95.3	22.8	91.4%	90%	P	k=9.3x10-7
437	11/12/2010	Undeveloped Area Cap Area 3	5 - 10	Maddox Clay	6	104.3	18.6	94.7	24	90.8%	90%	P	k=9.3x10-7
438	11/12/2010	Undeveloped Area Cap Area 9	8 - 12	Maddox Clay	6	104.3	18.6	94.7	25	90.8%	90%	P	k=4.4x10-7
439	11/12/2010	Undeveloped Area Cap Area 9	8 - 12	Maddox Clay	6	104.3	18.6	94.7	26.1	90.8%	90%	P	k=4.4x10-7
440	11/15/2010	Undeveloped Area Cap Area 9	8 - 12	Maddox Clay	6	104.3	18.6	95.4	24.7	91.5%	90%	P	k=4.4x10-7
441	11/15/2010	Undeveloped Area Cap Area 9	8 - 12	Maddox Clay	6	104.3	18.6	94.7	23.8	90.8%	90%	P	k=4.4x10-7
442	11/15/2010	Undeveloped Area Cap Area 10	7 - 9	Maddox Clay	6	105.3	19.2	96.1	24.2	91.3%	90%	P	k=1.3x10-7
443	11/15/2010	Undeveloped Area Cap Area 10	7 - 9	Maddox Clay	6	105.3	19.2	95.3	23.6	90.5%	90%	P	k=1.3x10-7
444	11/15/2010	Undeveloped Area Cap Area 10	7 - 9	Maddox Clay	6	105.3	19.2	96.2	25.4	91.4%	90%	P	k=1.3x10-7
445	11/15/2010	Undeveloped Area Cap Area 10	7 - 9	Maddox Clay	6	105.3	19.2	95.1	23.7	90.3%	90%	P	k=1.3x10-7

Table 6-1 Permits and Permit Equivalencies
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Permit	Issuing Authority	Holder	Date Submitted	Status
Temporary Trailer Permit	Wood-Ridge	Parsons	-	Permit was approved by Wood-Ridge on November 11, 2007 and trailers are on site.
Electrical permit	Wood-Ridge	Parsons	-	Permit was approved by Wood-Ridge on November 13, 2007.
Building Permit	Wood-Ridge	Bigler Associates	26-Jan-09	Permit was granted by Wood-Ridge on January 26, 2009.
Construction Permit	Wood-Ridge	Bigler Associates	26-Jan-09	Permit was granted by Wood-Ridge on January 26, 2009.
Electrical permit	Wood-Ridge	Bigler Associates	26-Jan-09	Permit was granted by Wood-Ridge on January 26, 2009.
Stormwater Pollution Prevention Plan	Bergen County	Parsons	-	Originally approved November 30, 2007. Revised permit submitted in January 2009 and approval received on February 26, 2009. Revisions to the 55-foot buffer decreasing the amount of rip-rap were approved by Bergen County on October 5, 2009. Updated SWPPP drawings were submitted February 20, 2010. The updated SWPPP was approved by Bergen County on September 7, 2010.
Discharge to Groundwater Equivalency Permit	NJDEP	Morton	19-Dec-08	Permit was granted by NJDEP on February 9, 2009. The discharge limit for manganese was increased to 3,000 ug/l in an email from the NJDEP on June 24, 2009.
Zoning Certificate Equivalency	NJMC	Morton	19-Dec-08	Comments were issued by NJ Meadowlands Commission on March 11, 2009 and addressed by Parsons. Permit was approved by the NJMC on July 31, 2009. An updated NJMC zoning certificate was submitted February 5, 2010. A conditional approval was granted by the NJMC dated March 25, 2010. A response to comments was sent to the NJMC on April 13, 2010.
Land Use Regulation Program (LURP) Coastal General Permit 15 Equivalency	NJDEP	Morton	19-Dec-08	Comments were issued by the NJDEP and addressed by Parsons. Application was resubmitted on January 29, 2009 and is currently being reviewed by NJDEP. Permit equivalency was issued with conditions by the NJDEP on May 13, 2009.
Amended LURP Equivalency Permit and Mitigation Plan for Freshwater Permit No. 4 Equivalency, Coastal General Permit No. 15 Equivalency, Flood Hazard Area Individual Permit Equivalency, and Water Quality Certificate	NJDEP	Morton	5-Mar-10	An amended LURP submission, including a sitewide mitigation plan, was submitted March 5, 2010. Additional information was sent to the NJDEP on July 26, 2010. The NJDEP approved the permit equivalency modification on September 7, 2010.
Notice of Proposed Construction or Alteration Form 7460-1	Federal Aviation Administration	Morton	13-Jan-09	Comments were issued by the FAA on original permit. FAA determined a total of five applications were necessary. Determination permitting activity was issued by FAA on April 23, 2009.
Electrical permit (Wolf Warehouse)	Wood-Ridge	Parsons	15-Apr-10	Permit was granted by Wood-Ridge on April 15, 2010 to perform temporary electrical service relocation at the Wolf Warehouse.

Table 6-2 Lin Mor Property Post Remediation Sampling Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Sample ID	Sample Date	Sample Depth (ft)	Lead Result (mg/kg)[1]	Mercury Result (mg/kg)	Borbas Point I.D.
20081203LM1S1V0-2N	12/3/2008	0-2	217	5.8	H
20081203LM1S2V0-2N	12/3/2008	0-2	15.9	0.52	E
20081203LM1S3V0-2N	12/3/2008	0-2	363	0.41	F
20081203LM1S4V0-2N	12/3/2008	0-2	422	10.1	I
20081203LM1BV1-3N	12/3/2008	0-2	362	9.6	G
20081203LM1S1V0-2FD	12/3/2008	0-2	278	6.8	H
20081203LM2S1V0-2N	12/3/2008	0-2	159	2.4	T
20081203LM2S2V0-2N	12/3/2008	0-2	209	4.4	Q
20081203LM2S3V0-2N	12/3/2008	0-2	210	4.6	R
20081203LM2S4V0-2N	12/3/2008	0-2	929	1.2	U
20081203LM2BV1-3N	12/3/2008	0-2	270	5.1	S
20081215LM1S5V10-1.5N[2]	12/15/2008	0-1.5	231	Not Analyzed	J, K, L
20081215LM2S5V10-1.5N[2]	12/15/2008	0-1.5	53.3	Not Analyzed	V, W, X

[1]Highlighted cells indicate RDCSCC exceedance for soil.
[2]Borbas survey points are XRF sampling locations.

Table 6-3 Drum Disposal Waste Stream Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Summary of Results from Analytical Testing

Waste Stream	Description of Contents	Haz/Nonhaz?	Constituent Exceeding Hazardous Level per EPA Title 40 CFR Part 261								EPA Hazardous Waste No.	pH[1]	PCB (ug/kg)[2]
			Mercury (mg/L)	Metals (mg/L)	Pesticides (mg/L)	Herbicide (mg/L)	VOC (mg/L)	SVOC (mg/L)	Ignitability	Sulfide/Cyanide Reactivity			
Drum Carcasses	Crushed, empty, deteriorated drum carcasses	NON-HAZ	-	-	-	-	-	-	-	-	-	-	-
Tar Drums	Drums containing tar.	**HAZ**	-	-	-	-	-	-	**YES**	-	D001	4.4	ND
Parsons DC1	Epoxy, lighter brown, soft putty material w/ hard brown material.	**HAZ**	-	-	-	-	-	-	**YES**	-	D001	6.1	35000
Parsons DC2	Phenolic, brownish purple, sweet smell	**HAZ**	-	-	-	-	-	-	**YES**	-	D001	3.4	ND
Parsons DC3	Paint; looks like dried drywall compound	NON-HAZ	-	-	-	-	-	-	-	-	-	4.2	35000
Parsons DC4	Porcelain-like debris, dirt, & trash	NON-HAZ	-	-	-	-	-	-	-	-	-	5.6	44
Parsons DC5	White crystals	**HAZ**	-	-	-	-	-	-	**YES**	-	D001	3.7	ND
Parsons DC6	Epoxy; white, waxy looking, very hard.	NON-HAZ	-	-	-	-	-	-	-	-	-	5.0	ND
Parsons DC7	Resin; Brownish, solid resin.	**HAZ**	**1.4**	-	-	-	-	-	-	-	D009	7.2	74
Parsons DC8	white/gray, grainy material	NON-HAZ	-	-	-	-	-	-	-	-	-	6.4	ND
Parsons DC09	deteriorated drum carcasses containing gray ash and residual soil	NON-HAZ	-	-	-	-	-	-	-	-	-	10.3	1660
Parsons DC10	deteriorated drum carcasses containing grease/lard like material	NON-HAZ	-	-	-	-	-	-	-	-	-	8.9	ND
Panther 68/71	white solids	NON-HAZ	-	-	-	-	-	-	-	-	-	3.0	ND
Panther 69	full drum	**HAZ**	-	-	-	-	-	-	**YES**	-	D001	3.5	ND
Panther 102	white foam	NON-HAZ	-	-	-	-	-	-	-	-	-	6.3	ND

[1] No Waste Stream exceeded EPA Title 40 CFR Part 261 hazardous waste level for corrosivity (pH). pH provided for information only.

[2] EPA Tiltle 40 CFR does not characterize hazardous waste by PCB. PCB test results for information only.

Table 6-4 Drum Handling and Disposal Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Parsons Drum I.D.	Description / Approximate Location	Date Extracted	Handling	Waste Stream	Date Sent for Disposal	Destination Facility	Remarks
P-001	3-5 Gal Tar buckets stacked, south Parsons Conex		Removed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-002	Crushed, empty, NW corner	12/18/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-003	1/4 full, Sl. Crushed, hole in top, NW corner	07/10/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	
P-004	Nearly empty, sl. Crushed, holes in top, NW corner	07/10/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	
P-005	Crushed, empty, west WTP Pad	12/18/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-006	Crushed, empty, east WTP Pad	12/18/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-007	Crushed, Crystaline mat'l inside, next to P-006	12/18/08	Overpacked	DC-8	5/12/2009	Veolia ES, Flanders, NJ	
P-008	Crushed, open, has contents, west of WTP Pad	12/18/08	Overpacked	DC-7	5/12/2009	Veolia ES, Flanders, NJ	
P-009	Crushed, open, has contents, next to P008	12/18/08	Overpacked	DC-8	5/12/2009	Veolia ES, Flanders, NJ	
P-010	Open, in crater center of site	5/09	Overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	
P-011	Crushed, partially open, gray/yellow sandy contents	5/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	
P-012	Open top, gray solid contents, above P-011	5/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	
P-013	Crushed, open, gray chunk inside, next to P-012	5/09	Overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	
P-014	Barely visible, partially open, 5' west P-013	5/09	Overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	
P-015	Barely visible, partially open, 6' west P-014	5/09	Overpacked	DC-4	10/29/2009	Veolia ES, Port Arthur, Texas	
P-016	Barely visible, open, above P-013, unable to locate during Undeveloped Area excavation	05/03/09	crushed	Crushed	8/18/2010	Stablex, Quebec, Canada	loaded out with >620 soil to Stablex
P-017	Drum hull, south of P-010 thru 016 cluster	12/18/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-018	Drum hull, SE soil pad	12/18/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-019	Crushed, some solid in bottom, next to P-018	12/18/08	Overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	
P-020	Drum carcass, east soil pad	12/19/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-021	Drum carcass, east soil pad	12/18/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-022	Open, trees growing out, east soil pad	12/17/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-023	Open at bung, next to P-022	12/17/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-024	Crushed, open, soil inside, next to P-023	12/17/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-025	Barely visible, open crushed, next to P-024	12/17/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-026	Open, soil inside, next to P-023	12/17/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-027	Open, crushed, soil inside, N of P-022-026 cluster	12/17/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-028	Upright, open top, east soil pad	12/17/08	Overpacked	DC-5	5/12/2009	Veolia ES, Flanders, NJ	
P-029	Open, crystalized mat'l inside, next to P-028	08/12/09	Overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	
P-030	Open, crystalized mat'l inside, next to P-029	08/12/09	Overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	
P-031	Open, crystalized mat'l inside, next to P-028	08/12/09	Overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	
P-032	Open, crystalized mat'l inside, next to P-031	08/12/09	Overpacked	DC-5	1/12/2010	Veolia ES, Port Arthur, Texas	
P-033	Open, crystalized mat'l inside, next to P-032	08/12/09	Overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	
P-034	Open, crystalized mat'l inside, next to P-033	08/12/09	Overpacked	DC-7	1/12/2010	Veolia ES, Port Arthur, Texas	
P-035	Carcass,Crystaline mat'l, N of P-028-034 cluster	08/24/09	Overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	
P-036	Open, crystaline mat'l inside, SE soil pad	08/13/09	Overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	
P-037	Crushed, open, soil inside, next to P-036	08/13/09	Overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	
P-038	Barely visible, open, crushed, next to P-030	08/24/09	Overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	
P-039	Top gone, soil inside,, next to P-037	8/20/2009	Overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	
P-040	Open top, soil inside, between P-037 and P-041	8/21/2009	Overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	
P-041	Upright, mostly covered, next to P-039	08/13/09	Overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	
P-042	Open top, crystaline mat'l inside, next to P-041	08/13/09	Overpacked	DC-5	1/12/2010	Veolia ES, Port Arthur, Texas	
P-043	Upright, full hard crystaline mat'l, next to P-042	08/20/09	Overpacked	DC-5	1/12/2010	Veolia ES, Port Arthur, Texas	
P-044	Open, broken, full of white crystaline mat'l	08/20/09	Overpacked	DC-5	1/12/2010	Veolia ES, Port Arthur, Texas	
P-045	Open, crushed, soil inside, East of soil pad	8/21/2009	Overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	
P-046	Open, crushed, soil inside, East of soil pad	8/21/2009	Overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	
P-047	Contents unknown, next to P-046	05/03/09	crushed	Crushed	8/18/2010	Stablex, Quebec, Canada	loaded out with >620 soil to Stablex
P-048	Open top, soil inside, next to P-049	8/24/2009	Overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	
P-049	Drum carcass, next to P-048	12/17/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-050	Steel keg-type drum,solidified epoxy inside,Near P-039-049 group	12/17/08	Overpacked	DC-1	5/12/2009	Veolia ES, Flanders, NJ	
P-051	Steel keg type, crushed, stump on top, crushed, solidified epoxy inside	12/19/08	Overpacked	DC-1	5/12/2009	Veolia ES, Flanders, NJ	
P-052	Crushed drum,porcelain inside, N of P-050, 051	12/19/08	Overpacked	DC-4	5/12/2009	Veolia ES, Flanders, NJ	
P-053	white crystaline mat'l, N of P-039-049 nest	12/17/08	Overpacked	DC-5	5/12/2009	Veolia ES, Flanders, NJ	
P-053A	White crystal chunk, no drum	08/20/09	Overpacked	DC-5	1/12/2010	Veolia ES, Port Arthur, Texas	accidental duplicate P-053
P-054	Crushed drum, white crystaline mat'l, Next to P-053	08/24/09	Overpacked	DC-5	1/12/2010	Veolia ES, Port Arthur, Texas	
P-055	Upright, crushed, full white crystaline mat'l n of P-053	08/20/09	Overpacked	DC-5	1/12/2010	Veolia ES, Port Arthur, Texas	
P-056	Upright, crushed, full white crystal mat'l next toP-055	08/20/09	Overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	
P-057	Poly drum, open, whte solid inside, N of soilpad	12/17/08	Overpacked	DC-3	5/12/2009	Veolia ES, Flanders, NJ	
P-058	Crushed, barely visible, soil inside E side near creek	12/17/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-059	Deterior. Brown solid epoxy inside, next to P-058	12/17/08	Overpacked	DC-2	5/12/2009	Veolia ES, Flanders, NJ	
P-060	Drum carcass, next to P-059	12/17/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-061	Deterior. Yellow solid epoxy?, next to P-060	12/17/08	Overpacked	DC-6	5/12/2009	Veolia ES, Flanders, NJ	

Table 6-4 Drum Handling and Disposal Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Parsons Drum I.D.	Description / Approximate Location	Date Extracted	Handling	Waste Stream	Date Sent for Disposal	Destination Facility	Remarks
P-062	Soil inside, next to P-061	12/17/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-063	Soil inside, next to P-062	12/17/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-064	Soil inside, next to P-063	12/17/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-065	Drum carcass, next to P-064	12/17/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-066	Drum carcass, next to P-064	12/17/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-067	Drum carcass, next to P-064	12/17/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-068	Deterior. Crushed, wh. Crystal. mat'l, south soil pad	12/18/08	Overpacked	DC-5	5/12/2009	Veolia ES, Flanders, NJ	
P-069	Deterior., next to P-068	12/19/08	Removed	DC-5	5/12/2009	Veolia ES, Flanders, NJ	
P-070	Drum carcass, south soil area	12/18/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-071	Drum carcass, south soil area	12/18/08	Crushed	DC-5	5/12/2009	Veolia ES, Flanders, NJ	
P-072	Crushed, open, empty, S of Sed. Area	05/12/10	Overpacked	DC6	8/18/2010	Veolia ES, Flanders NJ	
P-073	Crushed, black tar inside, next to P-072	12/19/08	Removed	TAR	10/28/2009	Vexor Tech., Medina, Ohio	
P-074	Solid chunk solidified epoxy? No drum	05/13/10	Overpacked	DC-6	8/18/2010	Veolia ES, Flanders NJ	
P-075	Deteriorated, empty, next to P-026	12/17/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-076	Deteriorated, empty, next to P-027	12/17/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-077	Deteriorated, empty, next to P-027	12/17/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-078	Deteriorated, empty, Beneath P-077	12/17/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-079	Drum carcass, fiber-glass like mt'l, moth ball odor, S of P-022-27 drum group	11/11/09	Overpacked	DC-5	1/12/2010	Veolia ES, Port Arthur, Texas	below grade
P-080	Drum carcass, fiber-glass like mt'l, S of P-022-27 drum group	11/11/09	Overpacked	DC-5	1/12/2010	Veolia ES, Port Arthur, Texas	below grade
P-081	Drum carcass, fiber-glass like mt'l, S of P-022-27 drum group	08/24/09	Overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	below grade
P-082	Drum carcass, white crystaline mt'l, next to P-028	08/24/09	Overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	below grade
P-083	Drum carcass, white crystaline mt'l, next to P-028	08/24/09	Overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	below grade
P-084	Drum carcass, white crystaline mt'l, beneath P-053, Naph odors	08/24/09	Overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	below grade
P-085	Poly drum, open, whte solid inside, Next to P-057	08/20/09	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	below grade
P-086	Carcass, empty, near P-059 & P-060, in 55-ft Buffer	12/17/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	Remove
P-087	Drum carcass, contains white crystaline mt'l	08/24/09	Overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	below grade
P-088	Drum carcass, contains white epoxy, SW corner of F2 exc. area	05/03/09	crushed	Crushed	8/18/2010	Stablex, Quebec, Canada	loaded out with >620 soil to Stablex
P-089	Drum carcass, contains white epoxy, next to P-088	05/03/09	crushed	Crushed	8/18/2010	Stablex, Quebec, Canada	loaded out with >620 soil to Stablex
P-090	Dented, intact, contents unknown, near P-SB-F17 stake	08/24/09	Overpacked	DC-9			
P-091	empty carcass, 20ft North of P-090	12/19/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-092	Crushed, resin-like contents, located where tree destroyed NS RR fence	12/18/08	Overpacked	DC-1	5/12/2009	Veolia ES, Flanders, NJ	
P-093	Crushed, contains tar, located where tree destroyed NS RR fence	12/19/08	Removed	TAR	10/28/2009	Vexor Tech., Medina, Ohio	
P-094	Crushed, yellow epoxy like contents, NW crnr of TWTP	12/18/08	Overpacked	DC-1	5/12/2009	Veolia ES, Flanders, NJ	
P-095	Crushed, yellow epoxy like contents, NW crnr of TWTP	12/18/08	Overpacked	DC-1	5/12/2009	Veolia ES, Flanders, NJ	
P-096	crushed, empty, poss. Panther overpack, btwn PAMS01 and Parsons Trailer	12/18/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-097	Crushed, carcass, contains white crystal mat'l	12/18/08	Overpacked	DC-5	5/12/2009	Veolia ES, Flanders, NJ	
P-098	Carcass, top exposed, upright, unknown contents	12/19/08	Removed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-099	Deteriorated, contents unknown, next to P-008	12/18/08	Overpacked	DC-8	5/12/2009	Veolia ES, Flanders, NJ	
P-100	Deteriorated, contents unknown, beneath P-051	12/19/08	Removed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-101	Crushed, carcass, contains tar, SW corner of TSA pad.	12/19/08	Removed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-102	Carcass, white crystaline mat'l inside, SW corner of TSA pad.	12/19/08	Overpacked	DC-5	5/12/2009	Veolia ES, Flanders, NJ	
P-103	Top exposed, tar drum, SW corner of TSA pad	11/12/09	Overpacked	TAR	1/12/2010	Vexor Tech., Medina, Ohio	below grade
P-104	Top exposed, tar drum, SE corner of TSA pad	11/12/09	Overpacked	TAR	1/12/2010	Vexor Tech., Medina, Ohio	below grade
P-105	Top exposed, tar drum, 20FT E of TSA pad	12/19/08	Removed	TAR	10/28/2009	Vexor Tech., Medina, Ohio	
P-106	Crushed drum, empty, 30FT east of P-090	12/19/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-107	Crushed drum, empty, 30FT east of P-090	12/19/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-108	Crushed , empty, 40FT east of P-090 and 10FT N of P-107	12/19/08	Crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	
P-109	Det. 80% intact, white crystals, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	"1", overpack
P-110	Det. 80% intact, white crystals, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	"2", overpack same pack as 124
P-111	Det. 80% intact, white crystals, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	"5", overpack
P-112	Det. 30% intact, white crystals, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	"7", overpack

Table 6-4 Drum Handling and Disposal Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Parsons Drum I.D.	Description / Approximate Location	Date Extracted	Handling	Waste Stream	Date Sent for Disposal	Destination Facility	Remarks
P-113	Det. 80% intact, white crystals, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	"8", overpack
P-114	Det. 75% intact, white crystals, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	"10", overpack
P-115	Det. 60% intact, white crystals, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	"11", overpack
P-116	Det. 60% intact, white crystals, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	"12", overpack
P-117	Det. 80% intact, white crystals, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	"13", overpack
P-118	Det. 70% intact, white crystals, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	"14", overpack
P-119	Det. 60% intact, white crystals, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	"16", overpack
P-120	Det. 60% intact, nearly empty, white crystals, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	"17", overpack
P-121	Det. 70% intact, white crystals, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-5	1/12/2010	Veolia ES, Port Arthur, Texas	"19", overpack
P-122	Det. 70% intact, white crystals, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	"20", overpack
P-123	Det. 70% intact, white crystals, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	"21", overpack
P-124	Det. 70% intact, white crystals, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	"25", overpack same pack as 110
P-125	Det. 90% intact, white crystals? Contents not visible, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	"4", overpack
P-126	Det. 10% intact bottom of drum, clear gel, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-10	1/12/2010	Veolia ES, Port Arthur, Texas	"3", overpack
P-127	Det. 40% intact, gray ash or soil, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	"6", overpack
P-128	Det. 70% intact, gray ash or soil, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	"22", overpack
P-129	Det. 40% intact, gray ash or soil, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	"26", overpacked with P-128
P-130	Det. 50% intact, asphalt, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	"9", overpack
P-131	Det. 80% intact, orange brown resin-like, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-7	10/28/2009	Veolia ES, Flanders, NJ	"18", overpack
P-132	Det. 60% intact, grease or lard, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-10	1/12/2010	Veolia ES, Port Arthur, Texas	"23", overpack
P-133	Det. 60% intact, grease or lard, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-10	1/12/2010	Veolia ES, Port Arthur, Texas	"24", overpack
P-134	Intact, Stainless steel keg contents unknown, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	overpacked	DC-1	1/12/2010	Veolia ES, Port Arthur, Texas	"15", overpack
P-135	Intact,contents unknown, E-36/E39 cluster, 1.5ft to 4ft BGS	05/28/09	crushed	Crushed	5/11/2009	CWM Chemical Services, Model City NY	"27", overpack
P-136	Det, white crystals, E-36/E-39 cluster 1.5ft to 4ft BGS	05/28/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	"28", overpack
P-137	Ash, high hg vapor, from E-9	05/27/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	overpack
P-138	Ash, high hg vapor, from E-9	05/27/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	overpack
P-139	white crystal, from infiltration basin grading, below grade	04/02/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	SES001
P-140	soil, from infiltration basin grading, below grade	04/02/09	overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	SES002
P-141	white crystal, from infiltration basin grading, below grade	04/02/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	SES003
P-142	white crystal, from infiltration basin grading, below grade	04/02/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	SES004
P-143	soil, from infiltration basin grading, below grade	04/02/09	overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	SES005
P-144	soil, from infiltration basin grading, below grade	04/02/09	overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	SES006
P-145	white crystal, from infiltration basin grading, below grade	04/02/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	SES007
P-146	white crystal, from infiltration basin grading, below grade	04/02/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	SES008
P-147	black rubber, from infiltration basin grading, below grade	04/02/09	overpacked	TAR	1/12/2010	Vexor Tech., Medina, Ohio	SES009
P-148	Tar, from infiltration basin grading, below grade	04/02/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	SES010
P-149	breeched drum carcass, soil inside, Area E went through screener,	06/25/09	Overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	Covered in Tar during storage. Possible P-010
P-150	tar, along H27 to H83, 1ft to 8 ft below grade	06/09/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	overpack / "Drum 38"
P-151	tar, along H27 to H83, 1ft to 8 ft below grade	06/25/09	Overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	overpack / "Drum 39"

Table 6-4 Drum Handling and Disposal Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Parsons Drum I.D.	Description / Approximate Location	Date Extracted	Handling	Waste Stream	Date Sent for Disposal	Destination Facility	Remarks
P-152	tar, along H27 to H83, 1ft to 8 ft below grade	06/25/09	Overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	overpack / "Drum 40"
P-153	soil and stringy fiber, along H27 to H83, 1ft to 8 ft bgs	06/09/09	overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	overpack / "Drum 41"
P-154	tar, along H27 to H83, 1ft to 8 ft below grade	06/25/09	Overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	"Drum 42"
P-155	tar, along H27 to H83, 1ft to 8 ft below grade	06/09/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	overpack / "Drum 43"
P-156	tar, along H27 to H83, 1ft to 8 ft below grade	06/25/09	Overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	"Drum 44"
P-157	tar, along H27 to H83, 1ft to 8 ft below grade	06/25/09	Overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	"Drum 45"
P-158	tar, along H27 to H83, 1ft to 8 ft below grade	06/25/09	Overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	"Drum 46"
P-159	carcass, empty, Area E, went through screener,	07/10/09	rolloff	Crushed	12/17/2009	CWM Chemical Services, Model City NY	possible P-011
P-160	crushed carcass, empty, went through screener	06/15/09	rolloff	Crushed	12/18/2009	CWM Chemical Services, Model City NY	possible P-012
P-161	Carcass, went through screener	06/25/09	Overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	Possible P-013
P-162	Carcass,went through screener	06/23/09	Overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	Possible P-014
P-163	White ash material, 55ft Buffer Drum 50 to Drum 70 cluster; ON PAD NO LABEL	06/25/09	Overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	SES014 / "Drum 70"
P-164	Tar and poly, excess from tar P-150 thru 158 drums, no carcass inside	06/25/09	Overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	
P-165	Tar and poly, excess from tar P-150 thru 158 drums, no carcass inside	06/25/09	Overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	
P-166	Tar and poly, excess from tar P-150 thru 158 drums, no carcass inside	06/25/09	Overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	
P-167	Tar and poly, excess from tar P-150 thru 158 drums, no carcass inside	06/25/09	Overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	
P-168	Tar in solid chunk	07/10/09	Overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	"Drum 48"
P-169	Tar in solid chunk	07/10/09	Overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	"Drum 49"
P-170	Tar in solid chunk	07/10/09	Overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	"Drum 49" (1drum2overpack)
P-171	Carcass, tar covered during storage in dump truck, 55ft Buffer Drum 50 to Drum 70 cluster	07/10/09	Overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	"Drum 50"
P-172	Carcass, tar covered during storage in dump truck, 55ft Buffer Drum 50 to Drum 70 cluster	07/10/09	Overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	"Drum 52"
P-173	Carcass, tar covered during storage in dump truck, 55ft Buffer Drum 50 to Drum 70 cluster	07/10/09	rolloff	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 53"
P-174	Carcass, tar covered during storage in dump truck, 55ft Buffer Drum 50 to Drum 70 cluster	07/10/09	rolloff	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 54"
P-175	Carcass, tar covered during storage in dump truck, 55ft Buffer Drum 50 to Drum 70 cluster	07/10/09	rolloff	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 55"
P-176	Carcass, tar covered during storage in dump truck, 55ft Buffer Drum 50 to Drum 70 cluster	07/10/09	rolloff	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 56"
P-177	Carcass, tar covered during storage in dump truck, 55ft Buffer Drum 50 to Drum 70 cluster	07/10/09	rolloff	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 57"
P-178	Carcass, tar covered during storage in dump truck, 55ft Buffer Drum 50 to Drum 70 cluster	07/10/09	rolloff	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum58"
P-179	Carcass, tar covered during storage in dump truck, 55ft Buffer Drum 50 to Drum 70 cluster	07/10/09	rolloff	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 59"
P-180	Carcass, tar covered during storage in dump truck, 55ft Buffer Drum 50 to Drum 70 cluster	07/10/09	rolloff	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 60"
P-181	Carcass, tar covered during storage in dump truck, 55ft Buffer Drum 50 to Drum 70 cluster	07/10/09	rolloff	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 61"
P-182	Carcass, tar covered during storage in dump truck, 55ft Buffer Drum 50 to Drum 70 cluster	07/10/09	rolloff	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 62"
P-183	Carcass, tar covered during storage in dump truck, 55ft Buffer Drum 50 to Drum 70 cluster	07/10/09	rolloff	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 63"
P-184	Carcass, tar covered during storage in dump truck, 55ft Buffer Drum 50 to Drum 70 cluster	07/10/09	rolloff	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 64"
P-185	Carcass, tar covered during storage in dump truck, 55ft Buffer Drum 50 to Drum 70 cluster	07/10/09	rolloff	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 65"
P-186	Carcass, tar covered during storage in dump truck, 55ft Buffer Drum 50 to Drum 70 cluster	07/10/09	rolloff	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 66"
P-187	Carcass, tar covered during storage in dump truck, 55ft Buffer Drum 50 to Drum 70 cluster	07/10/09	rolloff	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 67"
P-188	Carcass, tar covered during storage in dump truck, 55ft Buffer Drum 50 to Drum 70 cluster	07/10/09	rolloff	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 68"
P-189	Carcass, tar covered during storage in dump truck, 55ft Buffer Drum 50 to Drum 70 cluster	07/10/09	rolloff	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 69"
P-190	White crystal, H-11 0.5- 1.0 bgs	07/16/09	overpacked	DC-5	1/12/2010	Veolia ES, Port Arthur, Texas	1 drum in 2 overpacks
P-191	White crystal, H-11 0.5- 1.0 bgs	07/16/09	overpacked	DC-5	1/12/2010	Veolia ES, Port Arthur, Texas	1 drum in 2 overpacks
P-192	3 chunks of tar in the shape of barrel	07/21/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	found in screened oversize

Table 6-4 Drum Handling and Disposal Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Parsons Drum I.D.	Description / Approximate Location	Date Extracted	Handling	Waste Stream	Date Sent for Disposal	Destination Facility	Remarks
P-193	Area H-17, tar drum	07/21/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	"Drum 71"
P-194	Carcass,went through screener	07/21/09	overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	possible P-015
P-195	tar chunk in shape of barrel	07/21/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	found in screened oversize
P-196	Area H-17, tar drum	07/21/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	"Drum 72"
P-197	Area H-17, tar drum, soil adherred to contents	07/21/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	"Drum 73"
P-198	Area H-17, Brown resin	07/21/09	overpacked	DC-7	10/28/2009	Veolia ES, Flanders, NJ	"Drum 74"
P-199	Area H-17, tar drum	07/21/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	"Drum 75"
P-200	Area H-17, tar drum	07/21/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	"Drum 76"
P-201	Area H-17, tar drum	40015	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	"Drum 77"
P-202	Area H-17, tar drum	07/21/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	"Drum 78"
P-203	tar drum	07/21/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	"Drum 79"
P-204	tar drum	40015	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	"Drum 80"
P-205	gray ash?, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	"Drum 88"
P-206	crushed drum w/ tr. gray ash, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	overpacked with P-210 &P212, "Drum 89"
P-207	Brown resin, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-7	10/28/2009	Veolia ES, Flanders, NJ	"Drum 90"
P-208	white putty-like material, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-1	10/28/2009	Veolia ES, Flanders, NJ	high Hg vapor, "Drum 91"
P-209	gray ash, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	"Drum 92
P-210	gray ash, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	overpacked with P-206 &P212, "Drum 93"
P-211	gray ash, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	"Drum 94"
P-212	crushed drum w/ tr.gray ash, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	overpacked with P-206 &P210, "Drum 95"
P-213	tar drum, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	"Drum 96"
P-214	gray putty-like material, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-1	10/28/2009	Veolia ES, Flanders, NJ	"Drum 97"
P-215	crushed drum with some tar content, Area H-9 group, 8ft bgs	07/23/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	overpacked with P-216, "Drum 98"
P-216	tar drum, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	overpacked with P-215, "Drum 99"
P-217	gray putty-like material, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-1	1/12/2010	Veolia ES, Port Arthur, Texas	"Drum 100"
P-218	Brown resin, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-7	10/28/2009	Veolia ES, Flanders, NJ	"Drum 101"
P-219	tar drum, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	"Drum 102"
P-220	tar drum, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	"Drum 103"
P-221	gray ash, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	"Drum 104"
P-222	Brown resin, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-7	10/28/2009	Veolia ES, Flanders, NJ	overpacked with P-223, "Drum 105"
P-223	crushed drum w/ tr. Br. Resin, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-7	10/28/2009	Veolia ES, Flanders, NJ	overpacked with P-222, "Drum 106"
P-224	gray ash, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	"Drum 107"
P-225	Brown resin, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-7	10/28/2009	Veolia ES, Flanders, NJ	"Drum 108"
P-226	gray ash, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	overpacked with P-227, "Drum 109"
P-227	gray ash, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	overpacked with P-226, "Drum 110"
P-228	gray putty-like material, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-1	1/12/2010	Veolia ES, Port Arthur, Texas	"Drum 111"
P-229	Area H-8, empty carcass	07/24/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 85"
P-230	Area H-8, empty carcass	07/24/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 86"
P-231	soil with white putty material, Area H-8? drum group, 8ft bgs	07/24/09	overpacked	DC-1	10/28/2009	Veolia ES, Flanders, NJ	overpacked with P-237, "Drum 112"
P-232	soil with white putty material, Area H-8? drum group, 8ft bgs	07/24/09	overpacked	DC-1	10/28/2009	Veolia ES, Flanders, NJ	overpacked with P-236, "Drum 113"
P-233	Brown resin, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-7	10/28/2009	Veolia ES, Flanders, NJ	"Drum 114"
P-234	Area H-8, empty carcass	07/23/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 87"
P-235	gray ash, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	"Drum 115"
P-236	white ash/putty-like material, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	overpacked with P-237, "Drum 116"
P-237	white ash/putty-like material, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	overpacked with P-236, "Drum 117"
P-238	empty carcass	07/23/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 118"
P-239	white putty-like material, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-1	10/28/2009	Veolia ES, Flanders, NJ	"Drum 119"
P-240	gray ash, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	"Drum 120"
P-241	gray ash, Area H-9 drum group, 8ft bgs	07/23/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	"Drum 121"
P-242	white/gray ash, Area H-9 drum group, 8ft bgs	07/24/09	Overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	overpacked with P-243, "Drum 122"
P-243	white/gray ash, Area H-9 drum group, 8ft bgs	07/24/09	Overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	overpacked with P-242, "Drum 123"
P-244	white/gray ash, Area H-9 drum group, 8ft bgs	07/24/09	Overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	overpacked with P-245, "Drum 124"
P-245	white/gray ash, Area H-9 drum group, 8ft bgs	07/24/09	Overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	overpacked with P-244, "Drum 125"
P-246	gray ash, Area H-9 drum group, 8ft bgs	07/24/09	Overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	"Drum 126"
P-247	gray ash, Area H-9 drum group, 8ft bgs	07/24/09	Overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	overpacked with P-248, "Drum 127"

Table 6-4 Drum Handling and Disposal Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Parsons Drum I.D.	Description / Approximate Location	Date Extracted	Handling	Waste Stream	Date Sent for Disposal	Destination Facility	Remarks
P-248	gray ash, Area H-9 drum group, 8ft bgs	07/24/09	Overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	overpacked with P-247, "Drum 128"
P-249	ash, Area H-9 drum group, 8ft bgs	07/24/09	Overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	"Drum 129"
P-250	ash with tar, Area H-9 drum group, 8ft bgs	07/24/09	Overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	overpacked with P-251, "Drum 130"
P-251	ash with tar, Area H-9 drum group, 8ft bgs	07/24/09	Overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	overpacked with P-250, "Drum 131"
P-252	Brown resin, Area H-9 drum group, 8ft bgs	07/24/09	Overpacked	DC-7	10/28/2009	Veolia ES, Flanders, NJ	"Drum 132"
P-253	white ash, Area H-9 drum group, 8ft bgs	07/24/09	Overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	"Drum 133"
P-254	white ash, Area H-9 drum group, 8ft bgs	07/23/09	Overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	"Drum 134"
P-255	white ash, Area H-9 drum group, 8ft bgs	07/23/09	Overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	overpacked with P-256, "Drum 135"
P-256	white ash, Area H-9 drum group, 8ft bgs	07/23/09	Overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	overpacked with P-255, "Drum 136"
P-257	white ash, Area H-9 drum group, 8ft bgs	07/23/09	Overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	overpacked with P-260, "Drum 137"
P-258	empty carcass, Area H-9	07/23/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 138"
P-259	empty carcass, Area H-9	07/23/09	crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 139"
P-260	white ash, Area H-9 drum group, 8ft bgs	07/23/09	Overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	overpacked with P-257, "Drum 140"
P-261	empty carcass, Area H-6	07/20/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 81"
P-262	empty carcass, Area H-3	07/20/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 82"
P-263	empty carcass, Area H-3	07/20/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 83"
P-264	empty carcass, Area H-3	07/20/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 84"
P-265	empty carcass, Area H-9	07/24/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 141"
P-266	empty carcass, Area H-9	07/24/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 142"
P-267	empty carcass, Area H-9	07/24/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 143"
P-268	empty carcass, Area H-12	07/24/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	"Drum 144"
P-269	white ash, Area H-9 drum group, 8ft bgs	07/24/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	little contents
P-270	empty carcass, Area H-9	07/24/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	
P-271	ash Area H-9 drum group, 8ft bgs	07/24/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	
P-272	soil, used PPE, trash, deteriorated carcass, Area H-9	07/24/09	overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	
P-273	Gray/white Ash, Area H drum group	07/24/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	
P-274	Empty poly drum, Area H	07/24/09	crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	screened inside of poly drum; Hg vapor >1000ug/m3
P-275	stainless steel drum soil inside, Area H	07/24/09	overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	
P-276	stainless steel drum soil inside, Area H	07/24/09	overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	
P-277	stainless steel drum soil inside, Area H	07/24/09	overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	
P-278	Ash with tar and soil , Area H	07/24/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	
P-279	Ash with tar and soil , Area H	07/24/09	overpacked	DC-9	1/13/2010	Veolia ES, Port Arthur, Texas	
P-280	Ash with tar and soil , Area H	07/24/09	overpacked	DC-9	1/14/2010	Veolia ES, Port Arthur, Texas	stainless steel
P-281	poly drum contents unknown, Area H	07/24/09	Crushed	Crushed	1/15/2010	Veolia ES, Port Arthur, Texas	possible source material
P-282	open top stainless steel drum "soil" from H-9	07/24/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	
P-283	deteriorated drum carcass "tar", nearly empty from H-9	07/24/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	
P-284	deteriorated open top drum "gray ash", from H-9	08/05/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	
P-285	deteriorated open top drum "gray ash", from H-9	08/05/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	
P-286	deteriorated drum carcass "glue and PPE" inside	08/05/09	overpacked	DC-1	1/12/2010	Veolia ES, Port Arthur, Texas	
P-287	deteriorated open top drum "gray ash", from H-9	08/05/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	
P-288	deteriorated open top drum "gray ash", from H-9	08/05/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	
P-289	deteriorated open top drum "gray ash elemental Hg observed on contents", from H-9	08/05/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	Elemental Hg inside
P-290	deteriorated open top drum "gray ash", from H-9	08/05/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	
P-291	deteriorated open top drum "white ash", from H-9	08/05/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	
P-292	white crystal material drum 95% intact, East SSA	08/12/09	overpacked	DC-1	10/28/2009	Veolia ES, Flanders, NJ	
P-293	white crystal material drum 90% intact, East SSA	08/12/09	overpacked	DC-5	1/12/2010	Veolia ES, Port Arthur, Texas	
P-294	white crystal material drum top open 90% intact, East SSA	08/12/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	
P-295	Brown resin chunk 60% intact, East SSA	08/12/09	overpacked	DC-7	1/12/2010	Veolia ES, Port Arthur, Texas	
P-296	Empty carcass, infil basin cluster	08/20/09	crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	
P-297	Empty carcass, infil basin cluster	08/20/09	crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	
P-298	Empty carcass, infil basin cluster	08/20/09	crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	
P-299	open top drum, glue like contents, drum nearly empty	08/20/09	overpacked	DC-1	1/12/2010	Veolia ES, Port Arthur, Texas	
P-300	Empty carcass, infil basin cluster	08/20/09	crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	
P-301	drum carcass with white powder	08/20/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	
P-302	brown resin like contents, 1/4 of a barrell	08/20/09	overpacked	DC-7	10/28/2009	Veolia ES, Flanders, NJ	
P-303	drum carcass containing soil and trash	08/20/09	overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	
P-304	drum carcass 90% intact containing glue like contents	08/20/09	overpacked	DC-1	1/12/2010	Veolia ES, Port Arthur, Texas	
P-305	intact drum contents unknown; ring type lid	08/20/09	overpacked	Crushed	12/17/2009	CWM Chemical Services, Model City NY	
P-306	intact drum contents unknown; ring type lid	08/20/09	overpacked	Crushed	12/17/2009	CWM Chemical Services, Model City NY	
P-307	tar, open top drum carcass	08/20/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	
P-308	trash with little hard brown resin,open top deteriorated drum	08/20/09	overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	

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Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Parsons Drum I.D.	Description / Approximate Location	Date Extracted	Handling	Waste Stream	Date Sent for Disposal	Destination Facility	Remarks
P-309	Tar, drum carcass 60% intact	08/20/09	overpacked	TAR	1/12/2010	Vexor Tech., Medina, Ohio	
P-310	paint, solid yellow chunk, strong paint odor	08/20/09	overpacked	DC-3	10/28/2009	Veolia ES, Flanders, NJ	
P-311	Tar, drum carcass 70% intact	08/21/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	
P-312	Ash, topen top drum carcass	08/21/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	
P-313	Ash,open top drum carcass	08/21/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	
P-314	Ash, drum carcass badly deteriorated	08/21/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	
P-315	Ash, deteriorated drum carcass	08/21/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	
P-316	Ash, open top carcass, PPE observed inside drum	08/21/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	
P-317	Glue, deteriorated drum carcass	08/21/09	overpacked	DC-1	1/12/2010	Veolia ES, Port Arthur, Texas	
P-318	Glue, badly det. carcass,observed trash in drum	08/21/09	overpacked	DC-1	1/12/2010	Veolia ES, Port Arthur, Texas	
P-319	Glue, det. Open top drum carcass	08/21/09	overpacked	DC-1	1/12/2010	Veolia ES, Port Arthur, Texas	
P-320	Glue, det. carcass, some poly stuck to drum	08/21/09	overpacked	DC-3	1/12/2010	Veolia ES, Port Arthur, Texas	
P-321	Ash, open top det. Drum carcass	08/21/09	overpacked	DC-9	1/12/2010	Veolia ES, Port Arthur, Texas	
P-322	Tar, carcass badly det, observed some trash contents	08/21/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	
P-323	Paint, 50% of drum carcass remains	08/21/09	overpacked	DC-3	10/28/2009	Veolia ES, Flanders, NJ	
P-324	Tar, carcass badly det, observed some trash contents	08/21/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	
P-325	2 poly drum and 1 small poly bottle	08/21/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	possible source material
P-326	tar, open top, deteriorated, drum carcass	08/21/09	overpacked	TAR	1/12/2010	Vexor Tech., Medina, Ohio	
P-327	trash and soil, 50% of drum carcass remaining	08/21/09	overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	
P-328	trash and soil, 50% of drum carcass remaining	08/21/09	overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	
P-329	3 poly drums	08/21/09	crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	
P-330	tar, drum carcass 80% intact	08/21/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	
P-331	trash and soil, drum carcass badly deteriorated	08/21/09	overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	
P-332	white crystal material, det drum carcass, near drum P-84,	08/24/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	
P-333	white crystal material, det drum carcass, near drum P-84	08/24/09	overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	
P-334	soil drum, det drum carcass, 75ft SW of drum P-84	08/24/09	overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	
P-335	soil drum, det drum carcass, 75ft SW of drum P-84	08/24/09	overpacked	DC-7	1/12/2010	Veolia ES, Flanders, NJ	
P-336	soil drum, det drum carcass, 75ft SW of drum P-84	08/24/09	overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	
P-337	soil drum, det drum carcass, H-9 drum group	08/24/09	overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	
P-338	paint, 75% poly drum carcass, H-9 drum group	08/24/09	overpacked	DC-3	10/28/2009	Veolia ES, Flanders, NJ	
P-339	Tar, det drum carcass, H-9 drum group	08/24/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	
P-340	tar, removed from 55ft buffer SW of PAMS02	10/16/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	
P-341	tar, removed from 55ft buffer SW of PAMS02	10/16/09	Overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	
P-342	tar, removed from 55ft buffer SW of PAMS02	10/16/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	
P-343	tar, removed from 55ft buffer SW of PAMS02	10/16/09	overpacked	TAR	10/28/2009	Vexor Tech., Medina, Ohio	
P-344	tar, removed from 55ft buffer SW of PAMS02	10/16/09	overpacked	TAR	1/12/2010	Vexor Tech., Medina, Ohio	
P-345	empty carcass, 55ft buffer SW of PAMS02	10/16/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	little to no contents, scrap drum
P-346	empty carcass, 55ft buffer SW of PAMS02	10/16/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	little to no contents, scrap drum
P-347	empty carcass, 55ft buffer SW of PAMS02	10/16/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	little to no contents, scrap drum
P-348	empty carcass, 55ft buffer SW of PAMS02	10/16/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	little to no contents, scrap drum
P-349	empty carcass, 55ft buffer SW of PAMS02	10/16/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	little to no contents, scrap drum
P-350	empty carcass, 55ft buffer SW of PAMS02	10/16/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	little to no contents, scrap drum
P-351	unknown carcass, 55ft buffer SW of PAMS02	10/16/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	little to no contents, scrap drum
P-352	empty drum carcass, I-23A	10/16/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	little to no contents, scrap drum
P-353	empty drum carcass, I-9	10/16/09	Crushed	Crushed	12/17/2009	CWM Chemical Services, Model City NY	little to no contents, scrap drum
P-354	white epoxy, 55ft Buffer	10/16/09	overpacked	DC-6	1/12/2010	Veolia ES, Port Arthur, Texas	shape of drum, no carcass remains
P-355	solid white chunk, epoxy like, shape of drum, 55ft Buffer	10/16/09	overpacked	DC-6	10/28/2009	Veolia ES, Flanders, NJ	shape of drum, no carcass remains
P-356	tar, badly deteriorated drum carcass, tar is glossy black, 55ft Buffer/PAMS04	10/16/09	overpacked	TAR	1/12/2010	Vexor Tech., Medina, Ohio	
P-357	trash and soil, badly deteriorated drum carcass, 55ft Buffer/PAMS04	10/16/09	overpacked	DC-4	1/12/2010	Veolia ES, Port Arthur, Texas	
P-358	soild whit chunk, epoxy like, half drum carcass	10/16/09	overpacked	DC-6	1/12/2010	Veolia ES, Port Arthur, Texas	
P-359	solid brown chunk, epoxy like, with trash(metal, wire crimps)	10/16/09	overpacked	DC-6	10/28/2009	Veolia ES, Flanders, NJ	
P-360	solid, light brown epoxy like material	10/16/09	overpacked	DC-1	1/12/2010	Veolia ES, Port Arthur, Texas	
P-361	solid black tar drum carcass, 55ft Buffer/PAMS04	10/16/09	overpacked	TAR	1/12/2010	Vexor Tech., Medina, Ohio	
P-362	soil, drum carcass busted open, 55ft Buffer PAMS02	10/16/09	overpacked	DC-4	1/12/2010	Veolia ES, Port Arthur, Texas	
P-363	soil and trash	10/16/09	overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	same overpack as P-364
P-364	soil and trash	10/16/09	overpacked	DC-4	10/28/2009	Veolia ES, Port Arthur, Texas	same overpack as P-363
P-365	tar, badly deteriorated drum carcass	10/16/09	overpacked	TAR	1/12/2010	Vexor Tech., Medina, Ohio	
P-366	white crystal		overpacked	DC-5	10/29/2009	Veolia ES, Port Arthur, Texas	SES "Silver"
P-367	White epoxy chunk, brown colored on outside, very hard	11/11/09	overpacked	DC-6	1/12/2010	Veolia ES, Port Arthur, Texas	
P-368	White epoxy chunk, waxy, very hard	11/11/09	overpacked	DC-6	1/12/2010	Veolia ES, Port Arthur, Texas	
P-369	White epoxy chunk, waxy, very hard	11/11/09	overpacked	DC-6	1/12/2010	Veolia ES, Port Arthur, Texas	

Table 6-4 Drum Handling and Disposal Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Parsons Drum I.D.	Description / Approximate Location	Date Extracted	Handling	Waste Stream	Date Sent for Disposal	Destination Facility	Remarks
P-370	White Crystal	11/12/09	overpacked	DC-5	1/12/2010	Veolia ES, Port Arthur, Texas	
P-371	White Crystal	11/12/09	overpacked	DC-5	1/12/2010	Veolia ES, Port Arthur, Texas	
P-372	White Crystal	11/12/09	overpacked	DC-5	1/12/2010	Veolia ES, Port Arthur, Texas	
P-373	Light brown resin, resembles DC-7 waste stream	2008	overpacked	DC-7	8/18/2010	Veolia ES, Flanders NJ	
P-374	"OP-1" drum, light brown resin, resembles DC-7 waste stream	2009	crushed	crushed	8/18/2010	Stablex, Quebec, Canada	crushed, empty carcass. Loaded out with >620 soil to Stablex
P-375	White ash material, resembles DC-9 waste stream	2009	crushed	Crushed	8/18/2010	Stablex, Quebec, Canada	loaded out with >620 soil to Stablex
P-376	Solidified Epoxy Chunk, Resembles DC-6 Waste Stream, South of the Sed Basin next to drums P-072 and P-074	2009	overpacked	DC-6	8/18/2010	Veolia ES, Flanders NJ	
P-377	Solidified Epoxy Chunk, Resembles DC-6 Waste Stream, South of the Sed Basin next to drums P-072 and P-074	2009	overpacked	DC-6	8/18/2010	Veolia ES, Flanders NJ	
P-378	Solidified Epoxy Chunk, Resembles DC-6 Waste Stream,West Ditch across from prop line corner	07/01/10	overpacked	DC-6	8/18/2010	Veolia ES,Flanders NJ	

Table 6-5 Clean Fill Analysis of >620 mg/kg Excavation Backfill Materials
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Compound	Units[1]	RDCSRS[2]	Pompton Lakes DGA		Mt. Hope Common Fill		Mount Hope I-3 Stone		Mount Hope I-4 Stone		Mount Hope #57 Stone	
			Result[3]	Reporting Limit	Result[3]	Reporting Limit	Result[3]	Reporting Limit	Result[3]	Reporting Limit	Result[3]	Reporting Limit
Metals												
Silver	mg/kg	390	ND	2.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50
Aluminum	mg/kg	78000	3850	12.5	7280	2.50	1520	2.50	1870	12.50	5660	2.50
Arsenic	mg/kg	19	NF	8.50	3.03	1.70	ND	1.70	ND	1.70	2.02	1.70
Barium	mg/kg	16000	17.3	5.00	25.7	1.00	10.6	1.00	10.1	1.00	12	1.00
Beryllium	mg/kg	16	ND	2.50	ND	0.50	ND	0.50	ND	0.50	ND	0.50
Cadmium	mg/kg	78	ND	5.00	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Cobalt	mg/kg	1600	21	5.00	5.05	1.00	1.83	1.00	1.67	1.00	3.11	1.00
Chromium	mg/kg		33.8	5.00	7.19	1.00	3.89	1.00	1.6	1.00	4.09	1.00
Copper	mg/kg	3100	34.4	5.00	10.2	1.00	4.8	1.00	3.24	1.00	5.33	1.00
Mercury	mg/kg	23	ND	0.012	0.012	0.012	ND	0.012	ND	0.012	ND	0.012
Manganese	mg/kg	110000	103	5.00	167	1.00	81.5	1.00	78	1.00	117	1.00
Nickel	mg/kg	1600	101	5.00	6.97	1.00	1.31	1.00	ND	1.00	3.63	1.00
Lead	mg/kg	400	ND	20.5	ND	4.10	ND	4.10	ND	4.10	ND	4.10
Antimony	mg/kg	31	ND	7.0	ND	1.40	ND	1.40	ND	1.40	ND	1.40
Selenium	mg/kg	390	ND	7.0	ND	1.40	ND	1.40	ND	1.40	ND	1.40
Thallium	mg/kg	5	ND	5.0	ND	1.00	ND	1.00	ND	1.00	ND	1.00
Vanadium	mg/kg	78	15.2	5.0	13.6	1.00	2.68	1.00	2.39	1.00	5.91	1.00
Zinc	mg/kg	23000	ND	20.0	13.6	4.00	10.4	4.00	10.2	4.00	18.6	4.00
Pesticides and PCBs												
Alpha-BHC	ug/kg	0.1	ND	0.400	ND	0.400	ND	0.400	ND	0.400	ND	0.400
Gamma-BHC/Lindane	ug/kg	0.4	ND	0.400	ND	0.400	ND	0.400	ND	0.400	ND	0.400
Beta-BHC	ug/kg	0.4	ND	0.400	ND	0.400	ND	0.400	ND	0.400	ND	0.400
Delta-BHC	ug/kg	-	ND	0.400	ND	0.400	ND	0.400	ND	0.400	ND	0.400
Heptachlor	ug/kg	0.1	ND	0.400	ND	0.400	ND	0.400	ND	0.400	ND	0.400
Aldrin	ug/kg	0.04	ND	0.400	ND	0.400	ND	0.400	ND	0.400	ND	0.400
Heptachlor epoxide	ug/kg	0.07	ND	0.400	ND	0.400	ND	0.400	ND	0.400	ND	0.400
4,4'-DDE	ug/kg	2	ND	0.400	ND	0.400	ND	0.400	ND	0.400	ND	0.400
Endosulfan I	ug/kg	470	ND	0.400	ND	0.400	ND	0.400	ND	0.400	ND	0.400
Dieldrin	ug/kg	0.04	ND	0.400	ND	0.400	ND	0.400	ND	0.400	ND	0.400
Endrin	ug/kg	23	ND	0.400	ND	0.400	ND	0.400	ND	0.400	ND	0.400
4,4'-DDD	ug/kg	3	ND	0.400	ND	0.400	ND	0.400	ND	0.400	ND	0.400
Endosulfan II	ug/kg	470	ND	0.400	ND	0.400	ND	0.400	ND	0.400	ND	0.400
4,4'-DDT	ug/kg	2	ND	0.400	ND	0.400	ND	0.400	ND	0.400	ND	0.400
Endrin aldehyde	ug/kg	23	ND	0.400	ND	0.400	ND	0.400	ND	0.400	ND	0.400
Methoxychlor	ug/kg	390	ND	0.400	ND	0.400	ND	0.400	ND	0.400	ND	0.400
Endosulfan sulfate	ug/kg	470	ND	0.400	ND	0.400	ND	0.400	ND	0.400	ND	0.400
Endrin ketone	ug/kg	-	ND	0.400	ND	0.400	ND	0.400	ND	0.400	ND	0.400
Chlordane	ug/kg	0.2	ND	6.70	ND	6.70	ND	6.70	ND	6.70	ND	6.70
Toxaphene	ug/kg	0.6	ND	8.30	ND	8.30	ND	8.30	ND	8.30	ND	8.30
Aroclor-1016	ug/kg	0.2	ND	3.30	ND	3.30	ND	3.30	ND	3.30	ND	3.30
Aroclor-1221	ug/kg	0.2	ND	3.30	ND	3.30	ND	3.30	ND	3.30	ND	3.30
Aroclor-1232	ug/kg	0.2	ND	3.30	ND	3.30	ND	3.30	ND	3.30	ND	3.30
Aroclor-1242	ug/kg	0.2	ND	3.30	ND	3.30	ND	3.30	ND	3.30	ND	3.30
Aroclor-1248	ug/kg	0.2	ND	3.30	ND	3.30	ND	3.30	ND	3.30	ND	3.30
Aroclor-1254	ug/kg	0.2	ND	3.30	ND	3.30	ND	3.30	ND	3.30	ND	3.30
Aroclor-1260	ug/kg	0.2	ND	3.30	ND	3.30	ND	3.30	ND	3.30	ND	3.30
VOCs												
dicholorodiflouromethane	ug/kg	3	ND	10	ND	10	ND	10	ND	9	ND	9
Chloromethane	ug/kg	4	ND	10	ND	10	ND	10	ND	9	ND	9
vinyl chloride	ug/kg	0.7	ND	10	ND	10	ND	10	ND	9	ND	9
bromomethane	ug/kg	25	ND	10	ND	10	ND	10	ND	9	ND	9
chloroethane	ug/kg	220	ND	10	ND	10	ND	10	ND	9	ND	9
trichlorofluoromethane	ug/kg	23000	ND	10	ND	10	ND	10	ND	9	ND	9
1,1-dichloroethene	ug/kg	0.9	ND	2	ND	2	ND	2	ND	2	ND	2
acteone	ug/kg	70000	ND	10	ND	10	ND	10	ND	9	ND	9
carbon disulfide	ug/kg	7800	ND	2	ND	2	ND	2	ND	2	ND	2
methylene chloride[4]	ug/kg	34	35	2	6	2	6	2	6	2	7	2
methyl tert-buytl ether	ug/kg	110	ND	2	ND	2	ND	2	ND	2	ND	2
acrylonitrile	ug/kg	0.9	ND	10	ND	10	ND	10	ND	9	ND	9
trans-1,2-dichloroethene	ug/kg	300	ND	2	ND	2	ND	2	ND	2	ND	2
1,1-dichloroethane	ug/kg	8	ND	2	ND	2	ND	2	ND	2	ND	2
2-butanone	ug/kg	3100	ND	10	ND	10	ND	10	ND	9	ND	9
cis-1,2-dichloroethene	ug/kg	230	ND	2	ND	2	ND	2	ND	2	ND	2
chloroform	ug/kg	0.6	ND	2	ND	2	ND	2	ND	2	ND	2
1,1,1-tichloroethane	ug/kg	290	ND	2	ND	2	ND	2	ND	2	ND	2
carbon tetrachloride	ug/kg	0.6	ND	2	ND	2	ND	2	ND	2	ND	2
benzene	ug/kg	2	ND	2	ND	2	ND	2	ND	2	ND	2
1,2-dichloroethane	ug/kg	0.9	ND	2	ND	2	ND	2	ND	2	ND	2
Trichloroethene	ug/kg	7	ND	2	ND	2	ND	2	ND	2	ND	2
1,2-dichloropropane	ug/kg	2	ND	2	ND	2	ND	2	ND	2	ND	2

Table 6-5 Clean Fill Analysis of >620 mg/kg Excavation Backfill Materials
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

			Pompton Lakes DGA		Mt. Hope Common Fill		Mount Hope I-3 Stone		Mount Hope I-4 Stone		Mount Hope #57 Stone	
Compound	Units[1]	RDCSRS[2]	Result[3]	Reporting Limit	Result[3]	Reporting Limit	Result[3]	Reporting Limit	Result[3]	Reporting Limit	Result[3]	Reporting Limit
bromodichloromethane	ug/kg	1	ND	2	ND	2	ND	2	ND	2	ND	2
4-methyl-2 pentanone (MIBK)	ug/kg	-	ND	10	ND	10	ND	10	ND	9	ND	9
cis-1,3-dichloropropene	ug/kg	2	ND	2	ND	2	ND	2	ND	2	ND	2
toluene	ug/kg	6300	ND	2	ND	2	ND	2	ND	2	ND	2
trans-1,3-dichloropropene	ug/kg	2	ND	2	ND	2	ND	2	ND	2	ND	2
1,1,2-trichloroethane	ug/kg	2	ND	2	ND	2	ND	2	ND	2	ND	2
tetracloroethene	ug/kg	2	ND	2	ND	2	ND	2	ND	2	ND	2
dibromochloromethane	ug/kg	3	ND	2	ND	2	ND	2	ND	2	ND	2
1,2-dibromoethane	ug/kg	0.008	ND	2	ND	2	ND	2	ND	2	ND	2
chlorobenzene	ug/kg	510	ND	2	ND	2	ND	2	ND	2	ND	2
1,1,1,2-tetrachloroethane	ug/kg	1	ND	2	ND	2	ND	2	ND	2	ND	2
ethylbenzene	ug/kg	7800	ND	2	ND	2	ND	2	ND	2	ND	2
m,p-xylene	ug/kg	12000	ND	4	ND	4	ND	4	ND	4	ND	4
o-xylene	ug/kg	23000	ND	2	ND	2	ND	2	ND	2	ND	2
styrene	ug/kg	90	ND	10	ND	10	ND	2	ND	2	ND	2
bromoform	ug/kg	81	ND	2	ND	2	ND	2	ND	9	ND	2
Acrolein	ug/kg	0.5	ND	10	ND	10	ND	10	ND	9	ND	9
1,1,2,2-tetrachloroethane	ug/kg	1	ND	2	ND	2	ND	2	ND	2	ND	2
Methyl Acetate	ug/kg	78000	ND	10	ND	10	ND	10	ND	9	ND	9
Tert-butyl alcohol	ug/kg	1400	ND	100	ND	100	ND	100	ND	89	ND	88
1,2-dibromo-3-chloropropane	ug/kg	0.08	ND	10	ND	10	ND	10	ND	9	ND	9
SVOCs												
N-Nitrosodimethylamine	ug/kg	0.7	ND	67	ND	67	ND	67	ND	67	ND	67
Bis(2-Chloroethyl)ether	ug/kg	0.4	ND	67	ND	67	ND	67	ND	67	ND	67
Phenol	ug/kg	18000	ND	130	ND	130	ND	130	ND	130	ND	130
2-Chlorophenol	ug/kg	310	ND	130	ND	130	ND	130	ND	130	ND	130
1,3-Dichlorobenzene	ug/kg	5300	ND	67	ND	67	ND	67	ND	67	ND	67
1,4-Dichlorobenzene	ug/kg	5	ND	67	ND	67	ND	67	ND	67	ND	67
1,2-Dichlorobenzene	ug/kg	5300	ND	67	ND	67	ND	67	ND	67	ND	67
Benzyl alcohol	ug/kg	-	ND	67	ND	67	ND	67	ND	67	ND	67
Bis(2-Chloroisopropyl)ether	ug/kg	23	ND	67	ND	67	ND	67	ND	67	ND	67
2-Methylphenol	ug/kg	310	ND	67	ND	67	ND	67	ND	67	ND	67
Hexachloroethane	ug/kg	35	ND	67	ND	67	ND	67	ND	67	ND	67
N-Nitrosodi-n-propylamine	ug/kg	0.2	ND	67	ND	67	ND	67	ND	67	ND	67
3 & 4-methylphenol	ug/kg	-	ND	130	ND	130	ND	130	ND	130	ND	130
nitrobenzene	ug/kg	31	ND	67	ND	67	ND	67	ND	67	ND	67
isophorone	ug/kg	510	ND	67	ND	67	ND	67	ND	67	ND	67
2-nitrophenol	ug/kg	-	ND	130	ND	130	ND	130	ND	130	ND	130
2,4-dimethylphenol	ug/kg	1200	ND	130	ND	130	ND	130	ND	130	ND	130
Bis(2-Chloroethoxy)methane	ug/kg	-	ND	67	ND	67	ND	67	ND	67	ND	67
Benzoic acid	ug/kg	-	ND	330	ND	330	ND	330	ND	330	ND	330
2,4-Dichlorophenol	ug/kg	180	ND	130	ND	130	ND	130	ND	130	ND	130
1,2,4-trichlorobenzene	ug/kg	73	ND	67	ND	67	ND	67	ND	67	ND	67
napthalene	ug/kg	6	ND	67	ND	67	ND	67	ND	67	ND	67
4-chloroaniline	ug/kg	-	ND	67	ND	67	ND	67	ND	67	ND	67
hexachlorobutadiene	ug/kg	6	ND	67	ND	67	ND	67	ND	67	ND	67
4-chloro-3-metylphenol	ug/kg	-	ND	130	ND	130	ND	130	ND	130	ND	130
2-methylnaphthalene	ug/kg	230	ND	67	ND	67	ND	67	ND	67	ND	67
hexachlorocyclopentadiene	ug/kg	45	ND	130	ND	130	ND	130	ND	130	ND	130
2,4,6-trichlorophenol	ug/kg	19	ND	130	ND	130	ND	130	ND	130	ND	130
2,4,5-Trichlorophenol	ug/kg	6100	ND	67	ND	67	ND	67	ND	67	ND	67
2-Chloronaphthalene	ug/kg	-	ND	67	ND	67	ND	67	ND	67	ND	67
2-Nitroaniline	ug/kg	39	ND	67	ND	67	ND	67	ND	67	ND	67
Acenaphthylene	ug/kg	NA	ND	67	ND	67	ND	67	ND	67	ND	67
Dimethylphthalate	ug/kg	49000	ND	67	ND	67	ND	67	ND	67	ND	67
2,6-Dinitrotoluene	ug/kg	0.7	ND	67	ND	67	ND	67	ND	67	ND	67
Acenaphthene	ug/kg	3400	ND	67	ND	67	ND	67	ND	67	ND	67
3-Nitroaniline	ug/kg	-	ND	130	ND	130	ND	130	ND	130	ND	130
2,4-Dinitrophenol	ug/kg	120	ND	67	ND	67	ND	67	ND	67	ND	67
Dibenzofuran	ug/kg	-	ND	67	ND	67	ND	67	ND	67	ND	67
4-Nitrophenol	ug/kg	-	ND	130	ND	130	ND	130	ND	130	ND	130
Fluorene	ug/kg	2300	ND	67	ND	67	ND	67	ND	67	ND	67
4-Chlorophenyl phenyl ether	ug/kg	-	ND	67	ND	67	ND	67	ND	67	ND	67
Diethyl phthalate	ug/kg	49000	ND	67	ND	67	ND	67	ND	67	ND	67
4-nitroaniline	ug/kg	-	ND	67	ND	67	ND	67	ND	67	ND	67
4,6-Dinitro-2-methylphenol	ug/kg	6	ND	130	ND	130	ND	130	ND	130	ND	130
n-nitrosodiphenylamine	ug/kg	99	ND	67	ND	67	ND	67	ND	67	ND	67
4-bromophenylphenylether	ug/kg	-	ND	67	ND	67	ND	67	ND	67	ND	67
hexachlorobenzene	ug/kg	0.3	ND	67	ND	67	ND	67	ND	67	ND	67
pentachlorophenol	ug/kg	3	ND	130	ND	130	ND	130	ND	130	ND	130
phenanthrene	ug/kg	NA	ND	67	ND	67	ND	67	ND	67	ND	67

Table 6-5 Clean Fill Analysis of >620 mg/kg Excavation Backfill Materials
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Compound	Units[1]	RDCSRS[2]	Pompton Lakes DGA		Mt. Hope Common Fill		Mount Hope I-3 Stone		Mount Hope I-4 Stone		Mount Hope #57 Stone	
			Result[3]	Reporting Limit	Result[3]	Reporting Limit	Result[3]	Reporting Limit	Result[3]	Reporting Limit	Result[3]	Reporting Limit
anthracene	ug/kg	17000	ND	67	ND	67	ND	67	ND	67	ND	67
carbazole	ug/kg	24	ND	67	ND	67	ND	67	ND	67	ND	67
Di-n-butyl phthalate	ug/kg	6100	ND	67	ND	67	ND	67	ND	67	ND	67
benzidine	ug/kg	0.7	ND	330	ND	330	ND	330	ND	330	ND	330
flouranthene	ug/kg	2300	ND	67	ND	67	ND	67	ND	67	ND	67
3,3'-Dichlorobenzidine	ug/kg	1	ND	67	ND	67	ND	67	ND	67	ND	67
pyrene	ug/kg	1700	ND	67	ND	67	ND	67	ND	67	ND	67
Butyl benzyl phthalate	ug/kg	1200	ND	67	ND	67	ND	67	ND	67	ND	67
Benzo (a) anthracene	ug/kg	0.6	ND	67	ND	67	ND	67	ND	67	ND	67
chrysene	ug/kg	62	ND	67	ND	67	ND	67	ND	67	ND	67
bis(2-ethylhexyl) phthalate	ug/kg	35	ND	67	ND	67	ND	67	ND	67	ND	67
Di-n-octyl phthalate	ug/kg	2400	ND	67	ND	67	ND	67	ND	67	ND	67
Benzo (b) flouranthene	ug/kg	0.6	ND	67	ND	67	ND	67	ND	67	ND	67
Benzo (k) flouranthene	ug/kg	6	ND	67	ND	67	ND	67	ND	67	ND	67
Benzo (a) pyrene	ug/kg	0.2	ND	67	ND	67	ND	67	ND	67	ND	67
Indeno (1,2,3-cd) pyrene	ug/kg	35	ND	67	ND	67	ND	67	ND	67	ND	67
Dibenz (a,h,) anthracene	ug/kg	0.2	ND	67	ND	67	ND	67	ND	67	ND	67
Benzo (g,h,i) perylene	ug/kg	380000	ND	67	ND	67	ND	67	ND	67	ND	67
Acetophenone	ug/kg	2	ND	67	ND	67	ND	67	ND	67	ND	67
Caprolactan	ug/kg	78	ND	67	ND	67	ND	67	ND	67	ND	67
1,1'-Biphenyl	ug/kg	3100	ND	67	ND	67	ND	67	ND	67	ND	67
Atrazine	ug/kg	210	ND	67	ND	67	ND	67	ND	67	ND	67
Benzaldehyde	ug/kg	6100	ND	67	ND	67	ND	67	ND	67	ND	67
1,2-Diphenylhydrazine	ug/kg	0.7	ND	67	ND	67	ND	67	ND	67	ND	67
Chemistry												
Cyanide	mg/kg	23,000	ND	0.5	ND	0.5	ND	0.5	ND	0.5	ND	0.5
pH	pH units	-	-	0.1	-	0.1	7.68	0.1	8.59	0.1	8.68	0.1
% solids	%	-	95.4	0.1	94.3	0.1	99	0.1	98.1	0.1	99.8	0.1

Notes:

[1] mg/kg - milligrams per kilogram, ug/kg - micrograms per kilogram. All results are reported on a dry weight basis

[2] RDCSRS - is the New Jersey Department of Environmenal Protect Residential Direct Contact Soil Remediation Standard

[3]"ND" Indicates the analyte ws not detected above the reporting limit

[4] Testing indicated methylene chloride in the DGA sample above the RDCSRS. However, the lab reported detecting methylene chloride in the associated blank. For this reason, elevated levels of methylene chloride were attributed to laboratory contamination of the sample.

Table 6-6 >620 mg/kg Excavation Backfill Material QA/QC Testing Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Material/Sample I.D.	Date	Volume Delivered	ASTM D422 - Gradation												ASTM D1557 - Modified Proctor Density	
		(cy)	% Passing 4-in.	% Passing 2-in.	% Passing 1 1/2-in.	% Passing 1-in.	% Passing 3/4-in.	% Passing 1/2-in.	% Passing #4	% Passing #8	% Passing #16	% Passing #40	% Passing #50	% Passing #200	Max Dry Density (pcf)	Optimum Moisture (%)
		Spec 02200 (2009)	**100**	**-**	**-**	**-**	**-**	**-**	**50-70**	**-**	**-**	**25-60**	**-**	**≤ 30**	-	-
		Spec 02200 (2010)	**-**	**-**	**100**	**-**	**55-90**	**-**	**25-50**	**-**	**-**	**-**	**5-20**	**3-10**	-	-
SES DGA Source Sample	04/10/09	0	100.0	-	-	-	-	-	55.5	-	-	27.9	-	5.4	143.3	5.4
Parsons DGA QA Sample	9/8/2009	0-10000	100	-	100.0	-	93.0	-	48.9	-	-	17.2	-	6.4	142.3	4.6
SES DGA QC Sample 1	04/10/09	0-1000	100.0	-	-	-	-	-	52.3	-	-	26.4	-	6.2	146.6	6.2
SES DGA QC Sample 2	04/10/09	1000-2000	100.0	-	-	-	-	-	55.4	-	-	26.4	-	5.5	142.4	5.5
SES DGA QC Sample 3	04/10/09	2000-3000	100.0	-	-	-	-	-	56.5	-	-	27.4	-	6.2	144.1	6.2
SES DGA QC Sample 4	09/14/09	3000-4000	100.0	-	-	-	-	-	39	-	-	15	-	9.1	134.9	9.1
SES DGA QC Sample 5	11/17/09	4000-5000	100.0	-	-	-	-	-	43.9	-	-	17.5	-	5.7	139	5.7
SES DGA QC Sample 6	12/04/09	5000-6000	100.0	-	-	-	-	-	40.3	-	-	18.5	-	5.8	137.4	5.8
SES DGA QC Sample 7	12/04/09	6000-7000	100.0	-	-	-	-	-	47.2	-	-	19	-	6.8	135.9	6.8
SES DGA QC Sample 8	12/04/09	7000-8000	100.0	-	-	-	-	-	45.8	-	-	18.5	-	6.4	135.3	6.4
SES DGA QC Sample 9	4/15/2010	8000-9000	-	-	100.0	-	89.7	-	48.9	-	-	-	13.6	6.5	137.4	6.3
Parsons DGA QA Sample	10/27/2010	0-10000	-	-	100.0	-	80.6	-	30.9	-	-	-	9	4.6	141.2	4.6
		Spec 02200	**100**	**-**	**-**	**-**	**-**	**-**	**50-70**	**-**	**-**	**25-60**	**-**	**≤ 30**	-	-
SES Common Fill Source Sample	06/01/09	0	100	-	-	-	-	-	40.4	-	-	26.5	-	10.7	135.8	6.9
Parsons Common Fill QA Sample 1	10/29/09	0-10000	100	-	96.1	-	79.2	-	64.6	-	-	42.3	-	26.9	136	7
SES Common Fill QC Sample 1	06/30/09	0-1000	100	-	-	-	-	-	22.9	-	-	15	-	10.0	132.9	10.0
SES Common Fill QC Sample 2	06/30/09	1000-2000	100	-	-	-	-	-	37.8	-	-	24	-	13	131.5	7.4
SES Common Fill QC Sample 3	06/30/09	2000-3000	100	-	-	-	-	-	24.2	-	-	18	-	10.5	130.5	9.1
SES Common Fill QC Sample 4	06/30/09	3000-4000	100	-	-	-	-	-	52.5	-	-	20	-	10.4	132.5	8
SES Common Fill QC Sample 5	06/30/09	4000-5000	100	-	-	-	-	-	37.5	-	-	15	-	7.9	132.9	5.6
SES Common Fill QC Sample 6	07/16/09	5000-6000	100	-	-	-	-	-	35.4	-	-	22.5	-	8.9	131.4	7.5
SES Common Fill QC Sample 7	07/16/09	6000-7000	100	-	-	-	-	-	54.2	-	-	35	-	15.3	132.3	6.5
SES Common Fill QC Sample 8	07/16/09	7000-8000	100	-	-	-	-	-	37.8	-	-	22.5	-	7	133.3	6.7
SES Common Fill QC Sample 9	07/16/09	8000-9000	100	-	-	-	-	-	14.9	-	-	9	-	4.3	138.6	6.6
SES Common Fill QC Sample 10	07/27/09	9000-10000	100	-	-	-	-	-	91	-	-	52	-	21.7	-	-
SES Common Fill QC Sample 11	09/08/09	10000-11000	100	-	-	-	-	-	59.2	-	-	37.5	-	15.7	131.5	8.5
Parsons Common Fill QA Sample 2	11/23/10	10000-20000	87.5	-	57.9	-	49.4	-	41.1	-	-	27.3	-	16.6	145.9	4.4
SES Common Fill QC Sample 12	09/08/09	11000-12000	100	-	-	-	-	-	75.6	-	-	45	-	20.8	131.9	7.9
SES Common Fill QC Sample 13	09/08/09	12000-13000	100	-	-	-	-	-	62.7	-	-	40	-	17.7	132.1	8.4
SES Common Fill QC Sample 14	10/07/09	13000-14000	100	-	-	-	-	-	56	-	-	35	-	16.5	125.4	10.2
SES Common Fill QC Sample 15	10/07/09	14000-15000	100	-	-	-	-	-	49	-	-	33	-	16.6	124.8	9.1
SES Common Fill QC Sample 16	10/07/09	15000-16000	100	-	-	-	-	-	70.1	-	-	45	-	23.3	123.5	10.3
SES Common Fill QC Sample 17	10/07/09	16000-17000	100	-	-	-	-	-	67	-	-	45	-	22.5	125.3	9.4
SES Common Fill QC Sample 18	10/07/09	17000-18000	100	-	-	-	-	-	60.4	-	-	38	-	19	125.9	9.2
SES Common Fill QC Sample 19	10/26/09	18000-19000	100	-	-	-	-	-	70.5	-	-	45	-	18.4	130.1	8.2
SES Common Fill QC Sample 20	10/26/09	19000-20000	100	-	-	-	-	-	50.3	-	-	32.5	-	16	134.5	9.1
Parsons Common Fill QA Sample 3	11/27/09	20000-30000	83.8	-	65.8	-	61.2	-	61.2	-	-	35.1	-	22.8	140.2	6.5
SES Common Fill QC Sample 21	10/26/09	20000-21000	100	-	-	-	-	-	63.9	-	-	42.5	-	0.202	129.5	9.2
SES Common Fill QC Sample 22	10/26/09	21000-22000	100	-	-	-	-	-	75.2	-	-	47.5	-	0.256	128.8	8.3
SES Common Fill QC Sample 23	10/26/09	22000-23000	100	-	-	-	-	-	67.4	-	-	45	-	0.224	127.9	9.1
SES Common Fill QC Sample 24	10/26/09	23000-24000	100	-	-	-	-	-	73	-	-	45	-	0.197	131.3	8.4
SES Common Fill QC Sample 25	10/26/09	24000-25000	100	-	-	-	-	-	58.6	-	-	35	-	0.191	129.3	9.2
SES Common Fill QC Sample 26	11/17/09	25000-26000	100	-	-	-	-	-	64.6	-	-	40	-	0.223	134.7	10
SES Common Fill QC Sample 27	11/17/09	26000-27000	100	-	-	-	-	-	26.4	-	-	17.5	-	0.078	132.8	10
SES Common Fill QC Sample 28	11/17/09	27000-28000	100	-	-	-	-	-	40.4	-	-	27.5	-	0.139	134.2	10.9
SES Common Fill QC Sample 29	12/04/09	28000-29000	100	-	-	-	-	-	24.1	-	-	12.5	-	0.047	132.4	10.3
SES Common Fill QC Sample 30	12/04/09	29000-30000	100	-	-	-	-	-	18.1	-	-	11	-	0.059	132.4	11.1
Parsons Common Fill QA Sample 4	07/21/09	30000-40000	81	-	62.8	-	57.5	-	44.7	-	-	29.8	-	17.4	132.1	5.3
SES Common Fill QC Sample 31	12/04/09	30000-31000	100	-	-	-	-	-	50.7	-	-	38	-	0.212	133.1	10.9
SES Common Fill QC Sample 32	12/30/09	31000-32000	100	-	-	-	-	-	32.5	-	-	20	-	0.117	124.9	11.1
SES Common Fill QC Sample 33	12/30/09	32000-33000	100	-	-	-	-	-	28.5	-	-	20	-	0.114	126.2	10.4
SES Common Fill QC Sample 34	12/30/09	33000-34000	100	-	-	-	-	-	27.5	-	-	20	-	0.1	124.2	9.8
SES Common Fill QC Sample 35	12/30/09	34000-35000	100	-	-	-	-	-	31	-	-	20	-	0.12	126.5	10
SES Common Fill QC Sample 36	12/30/09	35000-36000	100	-	-	-	-	-	32.7	-	-	24	-	0.11	125.8	10.2
SES Common Fill QC Sample 37	12/30/09	36000-37000	100	-	-	-	-	-	33.1	-	-	22	-	0.127	123.6	9.9

Table 6-6 >620 mg/kg Excavation Backfill Material QA/QC Testing Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Material/Sample I.D.	Date	Volume Delivered	ASTM D422 - Gradation												ASTM D1557 - Modified Proctor Density	
		(cy)	% Passing 4-in.	% Passing 2-in.	% Passing 1 1/2-in.	% Passing 1-in.	% Passing 3/4-in.	% Passing 1/2-in.	% Passing #4	% Passing #8	% Passing #16	% Passing #40	% Passing #50	% Passing #200	Max Dry Density (pcf)	Optimum Moisture (%)
SES Common Fill QC Sample 38	12/30/09	37000-38000	100	-	-	-	-	-	33.8	-	-	22	-	0.138	126.2	10.8
SES Common Fill QC Sample 39	12/30/09	38000-39000	100	-	-	-	-	-	32.3	-	-	20	-	0.101	124.6	9.5
SES Common Fill QC Sample 40	12/30/09	39000-40000	100	-	-	-	-	-	32.3	-	-	22	-	0.125	124.8	5.4
SES Common Fill QC Sample 41	05/05/10	40000-41000	100	-	-	-	-	-	43.2	-	-	23.1	-	10.8	147.7	5.4
Parsons Common Fill QA Sample 5	06/23/10	40000-50000	100	-	-	-	-	-	53.8	-	-	32.9	-	6.3	141.2	6.3
SES Common Fill QC Sample 42	05/18/10	41000-42000	100	-	-	-	-	-	53.1	-	-	27.6	-	13.2	140.3	6
SES Common Fill QC Sample 43	05/19/10	42000-43000	100	-	-	-	-	-	57.9	-	-	33.3	-	17.7	140.2	6
SES Common Fill QC Sample 44	05/19/10	43000-44000	100	-	-	-	-	-	59.2	-	-	33.1	-	18	139.8	6.2
SES Common Fill QC Sample 45	06/23/10	44000-45000	100	-	-	-	-	-	66.3	-	-	43.4	-	23.1	136.9	7.6
		Spec 02200	**-**	**-**	**100**	**-**	**60-90**	**-**	**40-80**	**-**	**-**	**-**	**10-35**	**0-8**	**-**	**-**
SES I-3 Source Sample	4/5/2010	0	-	-	100.0	-	79.1	-	41	-	-	-	14.2	6.6	141.9	5.9
SES I-3 QC Sample 1	4/19/2010	0-1000	-	-	100.0	-	86.2	-	57.7	-	-	-	15	3.7	135.5	7.6
SES I-3 QC Sample 2	4/19/2010	1000-2000	-	-	100.0	-	85.3	-	64.4	-	-	-	14.9	3	134.8	9
SES I-3 QC Sample 3	6/22/2010	2000-3000	-	-	100.0	-	72.1	-	44.1	-	-	-	10.7	1.8	138.9	6.8
SES I-3 QC Sample 4	6/22/2010	3000-4000	-	-	100.0	-	83.4	-	55.4	-	-	-	14.7	2.7	132.7	9.2
SES I-3 QC Sample 5	7/22/2010	4000-5000	-	-	100.0	-	75.8	-	50.1	-	-	-	14.5	2.5	138.2	7.8
SES I-3 QC Sample 6	7/22/2010	5000-6000	-	-	100.0	-	83.5	-	56.8	-	-	-	17.3	3.2	134.3	8.3
SES I-3 QC Sample 7	8/5/2010	6000-7000	-	-	100.0	-	84.2	-	57.6	-	-	-	18.9	3.0	134.6	8.6
SES I-3 QC Sample 8	8/5/2010	7000-8000	-	-	100.0	-	80.1	-	57.7	-	-	-	16.9	2.2	135.8	8.2
SES I-3 QC Sample 9	8/5/2010	8000-9000	-	-	100.0	-	88.6	-	61	-	-	-	17.8	2.8	131.2	10.5
SES I-3 QC Sample 10	9/20/2010	9000-10000	-	-	100.0	-	89.7	-	65.0	-	-	-	20.9	7.8	133.3	8.2
Parsons I-3 QA Sample 1	4/22/2010	0-10000	-	-	100.0	-	57.5	-	49.3	-	-	-	15	3.7	147.8	3.7
		Spec 02200	**-**	**100**	**-**	**60-100**	**-**	**40-100**	**25-100**	**20-100**	**15-85**	**-**	**8-45**	**5-10**	**-**	**-**
SES I-4 Source Sample	3/31/2010	0	-	100.0	-	100.0	-	60.8	37.8	31.5	22.3	-	10.2	4.1	136.8	7.1
SES I-4 QC Sample 1	8/25/2010	0-1000	-	100.0	-	100.0	-	72.2	56.5	48.1	35.5	-	18.3	7.2	136.3	8.1
SES I-4 QC Sample 2	8/25/2010	1000-2000	-	100.0	-	100.0	-	81.1	67.2	59.9	46.8	-	25.4	9.9	132.9	7.7
SES I-4 QC Sample 3	8/25/2010	2000-3000	-	100.0	-	100.0	-	73.8	62.6	55.7	43.3	-	23.4	9.1	135.4	7.2
SES I-4 QC Sample 4	9/20/2010	3000-4000	-	100.0	-	99.3	-	71.7	60.1	52.8	40.2	-	20.3	7.4	135.4	8.1
SES I-4 QC Sample 5	11/17/2010	4000-5000	-	100.0	-	99.4	-	59.1	45.1	39.3	28.6	-	12.1	5.2	134.2	7.7
SES I-4 QC Sample 6	11/17/2010	5000-6000	-	100.0	-	99.4	-	60.2	46.6	40.3	29.3	-	12.2	5.3	134.2	7.5
Parsons I-4 QA Sample 1	5/6/2010	0-10000	-	100.0	-	100.0	-	63.7	46.2	42.5	32.5	-	17.5	7.3	151.2	3.7
		Spec 02200	**-**	**-**	**100**	**95-100**	**-**	**25-60**	**0-10**	**0-5**	**-**	**-**	**-**	**-**	**-**	**-**
SES #57 Stone Source Sample (3/4")	3/31/2010	N/A	-	-	100	99.3	-	55.5	1.0	0.6	-	-	-	-	N/A	N/A
Parsons #57 Stone QA Sample	7/16/2010	N/A	-	-	100.0	100.0	-	35.6	1.2	0.9	-	-	-	-	N/A	N/A

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
1	MHFU002426	AREA I	0001	22.10	2009-04-01	176614	9384391-0	MHFX516258
2	MHFU001805	AREA I	0001	21.70	2009-04-01	176615	9384392-8	MHFX516258
3	MHFU002213	AREA I	0001	19.03	2009-04-01	176616	9384393-6	MHFX516258
4	MHFU001838	AREA I	0001	21.37	2009-04-01	176617	9384394-4	MHFX516258
5	MHFU002349	AREA I	0001	19.39	2009-04-01	176618	9384395-1	MHFX516258
6	MHFU001800	AREA I	0001	20.82	2009-04-01	176619	9384396-9	MHFX516258
7	MHFU002219	AREA E-F	0002	18.63	2009-04-27	176613	9384390-2	MHFX516246
8	MHFU002243	AREA E-F	0002	19.13	2009-04-27	176620	9384397-7	MHFX516246
9	MHFU010067	AREA E-F	0002	19.48	2009-04-27	176621	9384398-5	MHFX516246
10	MHFU001608	AREA E-F	0002	21.21	2009-04-27	176622	9384399-3	MHFX516246
11	MHFU010110	AREA E-F	0002	21.16	2009-04-27	158201	9379173-9	MHFX516246
12	MHFU002178	AREA E-F	0002	21.42	2009-04-27	158202	9379231-5	MHFX516246
13	MHFU001884	AREA E-F	0002	21.08	2009-04-27	158203	9379232-3	MHFX516243
14	MHFU002006	AREA E-F	0002	19.55	2009-04-27	158204	9379233-1	MHFX516243
15	MHFU001547	AREA E-F	0002	21.74	2009-04-27	158205	9379234-9	MHFX516243
16	MHFU001369	AREA E-F	0002	23.22	2009-04-27	158209	9379238-0	MHFX516243
17	MHFU001920	AREA E-F	0002	24.17	2009-04-27	158210	9379239-8	MHFX516243
18	MHFU002223	AREA E-F	0002	23.53	2009-04-27	158211	9379240-6	MHFX516243
19	MHFU001850	AREA E-F	0002	24.09	2009-04-28	158212	9379241-4	MHFX516237
20	MHFU001452	AREA E-F	0002	24.41	2009-04-28	158213	9379242-2	MHFX516237
21	MHFU010104	AREA E-F	0002	20.35	2009-04-28	158214	9379243-0	MHFX516237
22	MHFU001585	AREA E-F	0002	18.90	2009-04-28	158215	9379244-8	MHFX516237
23	MHFU002068	AREA E-F	0002	21.29	2009-04-28	158216	9379245-5	MHFX516237
24	MHFU001887	AREA E-F	0002	20.19	2009-04-28	158217	9379246-3	MHFX516237
25	MHFU001837	AREA E-F	0003	19.53	2009-04-28	158218	9379247-1	MHFX516254
26	MHFU002132	AREA E-F	0003	19.31	2009-04-28	158219	9379248-9	MHFX516254
27	MHFU002337	AREA E-F	0003	21.15	2009-04-28	158220	9379249-7	MHFX516254
28	MHFU002123	AREA E-F	0003	21.33	2009-04-28	158221	9379250-5	MHFX516254
29	MHFU001858	AREA E-F	0003	21.98	2009-04-28	158222	9379251-3	MHFX516254
30	MHFU001990	AREA E-F	0003	20.72	2009-04-28	158223	9379252-1	MHFX516254
31	MHFU010178	AREA E-F	0003	20.68	2009-04-29	158224	9379253-9	MHFX516245
32	MHFU001829	AREA E-F	0003	21.19	2009-04-29	158225	9379254-7	MHFX516245
33	MHFU001668	AREA E-F	0003	20.75	2009-04-29	158226	9379255-4	MHFX516245
34	MHFU002307	AREA E-F	0003	21.40	2009-04-29	158227	9379256-2	MHFX516245
35	MHFU001252	AREA E-F	0003	21.81	2009-04-29	158228	9379257-0	MHFX516245
36	MHFU002025	AREA E-F	0003	21.46	2009-04-29	158229	9379258-8	MHFX516245
37	MHFU002241	AREA E-F	0003	20.88	2009-04-29	158230	9379259-6	GCCX200001
38	MHFU001373	AREA E-F	0003	22.33	2009-04-29	158231	9379260-4	GCCX200001
39	MHFU001910	AREA E-F	0003	22.56	2009-04-29	176627	9379262-0	GCCX200001
40	MHFU002098	AREA E-F	0003	23.35	2009-04-29	158206	9379235-6	GCCX200001
41	MHFU001743	AREA E-F	0003	19.02	2009-04-29	158207	9379236-4	GCCX200001
42	MHFU002279	AREA E-F	0003	18.77	2009-04-29	158232	9379261-2	GCCX200001
43	MHFU001735	AREA E-F	0004	22.18	2009-04-29	158208	9379237-2	MHFX516162
44	MHFU001303	AREA E-F	0004	19.12	2009-04-29	176635	9379264-6	MHFX516162
45	MHFU002266	AREA E-F	0004	20.05	2009-04-29	176636	9379263-8	MHFX516162
46	MHFU010180	AREA E-F	0004	20.88	2009-04-29	176637	9379265-3	MHFX516162
47	MHFU001184	AREA E-F	0004	18.60	2009-04-30	176638	9379266-1	MHFX516162
48	MHFU001450	AREA E-F	0004	20.39	2009-04-30	176639	9379267-9	MHFX516162
49	MHFU002163	AREA E-F	0004	22.03	2009-04-30	176640	9379268-7	MHFX516252
50	MHFU002056	AREA E-F	0004	22.54	2009-04-30	176641	9379269-5	MHFX516252
51	MHFU002024	AREA E-F	0004	22.56	2009-04-30	176642	9379270-3	MHFX516252
52	MHFU002334	AREA E-F	0004	23.92	2009-04-30	176643	9379271-1	MHFX516252
53	MHFU002262	AREA E-F	0004	20.19	2009-04-30	176644	9379272-9	MHFX516252
54	MHFU001978	AREA E-F	0004	22.13	2009-04-30	176645	9379273-7	MHFX516252
55	MHFU002329	AREA E-F	0004	19.55	2009-04-30	176646	9379274-5	MHFX516250
56	MHFU002206	AREA E-F	0004	23.20	2009-04-30	176647	9379275-2	MHFX516250
57	MHFU001664	AREA E-F	0004	22.82	2009-04-30	176648	9379276-0	MHFX516250
58	MHFU001801	AREA E-F	0004	20.94	2009-04-30	176649	9379277-8	MHFX516250
59	MHFU002018	AREA E-F	0004	20.21	2009-04-30	176650	9379278-6	MHFX516250

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
60	MHFU002093	AREA E-F	0004	20.93	2009-04-30	176651	9379279-4	MHFX516250
61	MHFU002376	AREA E-F	0005	21.20	2009-04-30	176652	9379280-2	MHFX516261
62	MHFU001862	AREA E-F	0005	22.27	2009-04-30	176653	9379281-0	MHFX516261
63	MHFU010130	AREA E-F	0005	21.67	2009-05-01	176654	9379282-8	MHFX516261
64	MHFU002353	AREA E-F	0005	22.87	2009-05-01	176655	9379283-6	MHFX516261
65	MHFU001909	AREA E-F	0005	22.38	2009-05-01	176656	9379284-4	MHFX516261
66	MHFU002313	AREA E-F	0005	21.20	2009-05-01	176657	9379285-1	MHFX516261
67	MHFU002067	AREA E-F	0005	21.74	2009-05-01	176658	9379286-9	MHFX516255
68	MHFU002363	AREA E-F	0005	23.13	2009-05-01	176659	9379287-7	MHFX516255
69	MHFU002181	AREA E-F	0005	21.32	2009-05-01	176660	9379288-5	MHFX516255
70	MHFU002187	AREA E-F	0005	23.15	2009-05-01	176661	9379289-3	MHFX516255
71	MHFU010151	AREA E-F	0005	22.27	2009-05-01	176662	9379290-1	MHFX516255
72	MHFU010153	AREA E-F	0005	21.84	2009-05-01	176663	9379291-9	MHFX516255
73	MHFU001451	AREA E-F	0005	20.34	2009-05-01	176664	9379292-7	MHFX516249
74	MHFU002309	AREA E-F	0005	21.43	2009-05-01	176665	9379293-5	MHFX516249
75	MHFU001291	AREA E-F	0005	22.86	2009-05-01	176666	9379294-3	MHFX516249
76	MHFU002227	AREA E-F	0005	21.20	2009-05-01	176667	9379295-0	MHFX516249
77	MHFU002072	AREA E-F	0005	21.16	2009-05-01	176668	9379296-8	MHFX516249
78	MHFU001926	AREA E-F	0005	21.98	2009-05-01	176921	9379297-6	MHFX516249
79	MHFU002137	AREA E-F	0006	24.89	2009-05-04	176922	9379298-4	MHFX516265
80	MHFU001746	AREA E-F	0006	23.34	2009-05-04	176923	9379299-2	MHFX516265
81	MHFU002220	AREA E-F	0006	23.70	2009-05-04	176924	9379300-8	MHFX516265
82	MHFU010181	AREA E-F	0006	22.72	2009-05-04	176925	9379301-6	MHFX516265
83	MHFU010156	AREA E-F	0006	23.57	2009-05-04	158235	9373510-8	MHFX516265
84	MHFU001728	AREA E-F	0006	23.05	2009-05-04	158236	9373511-6	MHFX516265
85	MHFU002367	AREA E-F	0006	24.21	2009-05-04	158237	9373512-4	MHFX516259
86	MHFU010157	AREA E-F	0006	20.23	2009-05-04	158247	9373513-2	MHFX516259
87	MHFU002351	AREA E-F	0006	22.59	2009-05-04	158249	9373514-0	MHFX516259
88	MHFU010187	AREA E-F	0006	22.35	2009-05-04	158250	9373515-7	MHFX516259
89	MHFU002275	AREA E-F	0006	24.67	2009-05-04	158251	9373516-5	MHFX516259
90	MHFU001907	AREA E-F	0006	22.60	2009-05-04	158252	9373517-3	MHFX516259
91	MHFU001665	AREA E-F	0006	21.42	2009-05-05	158255	9373518-1	MHFX516131
92	MHFU010068	AREA E-F	0006	20.28	2009-05-05	158256	9373519-9	MHFX516131
93	MHFU010195	AREA E-F	0006	22.35	2009-05-05	158257	9373520-7	MHFX516131
94	MHFU002390	AREA E-F	0006	23.01	2009-05-05	158258	9373521-5	MHFX516131
95	MHFU002019	AREA E-F	0006	21.54	2009-05-05	158259	9373522-3	MHFX516131
96	MHFU001753	AREA E-F	0006	22.12	2009-05-05	158270	9373523-1	MHFX516131
97	MHFU010091	AREA E-F	0007	23.32	2009-05-05	158271	9373524-9	MHFX516107
98	MHFU010122	AREA E-F	0007	24.35	2009-05-05	158272	9373525-6	MHFX516107
99	MHFU002386	AREA E-F	0007	23.74	2009-05-05	158273	9373526-4	MHFX516107
100	MHFU002396	AREA E-F	0007	21.31	2009-05-05	158274	9373527-2	MHFX516107
101	MHFU010056	AREA E-F	0007	23.23	2009-05-05	158276	9373528-0	MHFX516107
102	MHFU010066	AREA E-F	0007	21.24	2009-05-05	158238	9373529-8	MHFX516107
103	MHFU002418	AREA E-F	0007	22.92	2009-05-06	158239	9373530-6	GCCX200015
104	MHFU002240	AREA E-F	0007	23.30	2009-05-06	158241	9373531-4	GCCX200015
105	MHFU002154	AREA E-F	0007	22.80	2009-05-06	158242	9373532-2	GCCX200015
106	MHFU001905	AREA E-F	0007	22.37	2009-05-06	158243	9373533-0	GCCX200015
107	MHFU002005	AREA E-F	0007	20.20	2009-05-06	158244	9373534-8	GCCX200015
108	MHFU001698	AREA E-F	0007	22.49	2009-05-06	158246	9373535-5	GCCX200015
109	MHFU010155	AREA E-F	0007	22.41	2009-05-06	158260	9373536-3	MHFX516115
110	MHFU001722	AREA E-F	0007	22.06	2009-05-06	158261	9373537-1	MHFX516115
111	MHFU001503	AREA E-F	0007	24.16	2009-05-06	158262	9373538-9	MHFX516115
112	MHFU010186	AREA E-F	0007	21.76	2009-05-06	158263	9373539-7	MHFX516115
113	MHFU001571	AREA E-F	0007	21.48	2009-05-06	158264	9373540-5	MHFX516115
114	MHFU010073	AREA E-F	0007	24.59	2009-05-06	158265	9373541-3	MHFX516115
115	MHFU001513	AREA E-F	0008	24.03	2009-05-06	158266	9373542-1	MHFX516180
116	MHFU001821	AREA E-F	0008	25.18	2009-05-06	158267	9373543-9	MHFX516180
117	MHFU002316	AREA E-F	0008	22.60	2009-05-06	158268	9373544-7	MHFX516180
118	MHFU001970	AREA E-F	0008	22.95	2009-05-06	158269	9373545-4	MHFX516180

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
119	MHFU002080	AREA E-F	0008	24.99	2009-05-07	158277	9373546-2	MHFX516180
120	MHFU001206	AREA E-F	0008	25.13	2009-05-07	158278	9373547-0	MHFX516180
121	MHFU002247	AREA E-F	0008	22.37	2009-05-07	158279	9373548-8	MHFX516179
122	MHFU010135	AREA E-F	0008	24.14	2009-05-07	158280	9373549-6	MHFX516179
123	MHFU010192	AREA E-F	0008	23.40	2009-05-07	158281	9373550-4	MHFX516179
124	MHFU002312	AREA E-F	0008	23.92	2009-05-07	158282	9373551-2	MHFX516179
125	MHFU001894	AREA E-F	0008	23.53	2009-05-07	158283	9373552-0	MHFX516179
126	MHFU001818	AREA E-F	0008	24.09	2009-05-07	158284	9373553-8	MHFX516179
127	MHFU002331	AREA E-F	0008	23.24	2009-05-07	158285	9373554-6	MHFX516288
128	MHFU002314	AREA E-F	0008	22.75	2009-05-07	158286	9373555-3	MHFX516288
129	MHFU002135	AREA E-F	0008	23.23	2009-05-07	158287	9373556-1	MHFX516288
130	MHFU010144	AREA E-F	0008	22.84	2009-05-07	158288	9373557-9	MHFX516288
131	MHFU002066	AREA E-F	0008	20.66	2009-05-07	158289	9373558-7	MHFX516288
132	MHFU010102	AREA E-F	0008	18.94	2009-05-07	158290	9373559-5	MHFX516288
133	MHFU002157	AREA E-F	0009	19.56	2009-05-07	158291	9373560-3	GIMX516166
134	MHFU010094	AREA E-F	0009	22.88	2009-05-08	158293	9373562-9	MHFX516202
135	MHFU001573	AREA E-F	0009	20.48	2009-05-08	158294	9373563-7	MHFX516202
136	MHFU001674	AREA E-F	0009	20.90	2009-05-08	158295	9373564-5	MHFX516202
137	MHFU001717	AREA E-F	0009	21.98	2009-05-08	158296	9373565-2	MHFX516202
138	MHFU002377	AREA E-F	0009	20.85	2009-05-08	158297	9373566-0	MHFX516202
139	MHFU002381	AREA E-F	0009	21.19	2009-05-08	158298	9373567-8	MHFX516202
140	MHFU010177	AREA E-F	0009	23.52	2009-05-08	158299	9373568-6	MHFX516121
141	MHFU010079	AREA E-F	0009	22.38	2009-05-08	158300	9373569-4	MHFX516121
142	MHFU010051	AREA E-F	0009	21.68	2009-05-08	158301	9373570-2	MHFX516121
143	MHFU002397	AREA E-F	0009	20.53	2009-05-08	158302	9373571-0	MHFX516121
144	MHFU002366	AREA E-F	0009	23.41	2009-05-08	158304	9373572-8	MHFX516121
145	MHFU010072	AREA E-F	0009	22.14	2009-05-08	158306	9373573-6	MHFX516121
146	MHFU002395	AREA E-F	0009	23.40	2009-05-08	158308	9373574-4	GIMX516166
147	MHFU001323	AREA E-F	0009	22.57	2009-05-08	158309	9373575-1	GIMX516166
148	MHFU010134	AREA E-F	0009	23.16	2009-05-08	158311	9373576-9	GIMX516166
149	MHFU002047	AREA E-F	0009	22.07	2009-05-08	158312	9373577-7	GIMX516166
150	MHFU001696	AREA E-F	0009	21.04	2009-05-08	158292	9373561-1	GIMX516166
151	MHFU001803	AREA E-F	0010	22.23	2009-05-11	158313	9373578-5	MHFX516144
152	MHFU010080	AREA E-F	0010	23.36	2009-05-11	158314	9373579-3	MHFX516144
153	MHFU002059	AREA E-F	0010	23.55	2009-05-11	158315	9373580-1	MHFX516144
154	MHFU010189	AREA E-F	0010	22.11	2009-05-11	158316	9373581-9	MHFX516144
155	MHFU002294	AREA E-F	0010	22.65	2009-05-11	158318	9379373-5	MHFX516144
156	MHFU001391	AREA E-F	0010	21.26	2009-05-11	158319	9379374-3	MHFX516144
157	MHFU002044	AREA E-F	0010	22.19	2009-05-11	158320	9379375-0	MHFX516286
158	MHFU001245	AREA E-F	0010	21.91	2009-05-11	158321	9379376-8	MHFX516286
159	MHFU002021	AREA E-F	0010	22.99	2009-05-11	158322	9379377-6	MHFX516286
160	MHFU002255	AREA E-F	0010	20.22	2009-05-11	158323	9379378-4	MHFX516286
161	MHFU001933	AREA E-F	0010	23.67	2009-05-11	158324	9379379-2	MHFX516286
162	MHFU010121	AREA E-F	0010	21.41	2009-05-11	158325	9379380-0	MHFX516286
163	MHFU002311	AREA E-F	0010	22.61	2009-05-11	158326	9379381-8	MHFX516174
164	MHFU002368	AREA E-F	0010	25.09	2009-05-11	158327	9379382-6	MHFX516174
165	MHFU001591	AREA E-F	0010	22.99	2009-05-11	158328	9379383-4	MHFX516174
166	MHFU002097	AREA E-F	0010	24.39	2009-05-11	158329	9379384-2	MHFX516174
167	MHFU002048	AREA E-F	0010	22.80	2009-05-12	158330	9379385-9	MHFX516174
168	MHFU001738	AREA E-F	0010	24.95	2009-05-12	158331	9379386-7	MHFX516174
169	MHFU010158	AREA E-F	0011	24.97	2009-05-12	158332	9379387-5	MHFX516178
170	MHFU010096	AREA E-F	0011	24.39	2009-05-12	158333	9379388-3	MHFX516178
171	MHFU002293	AREA E-F	0011	23.26	2009-05-12	158335	9379390-9	MHFX516178
172	MHFU002242	AREA E-F	0011	22.41	2009-05-12	158336	9379391-7	MHFX516178
173	MHFU002362	AREA E-F	0011	25.70	2009-05-12	158337	9379392-5	MHFX516178
174	MHFU002322	AREA E-F	0011	24.33	2009-05-12	158338	9379393-3	MHFX516178
175	MHFU002230	AREA E-F	0011	23.66	2009-05-12	158339	9379394-1	MHFX516253
176	MHFU010147	AREA E-F	0011	25.62	2009-05-12	158340	9379395-8	MHFX516253
177	MHFU002417	AREA E-F	0011	25.00	2009-05-12	158341	9379396-6	MHFX516203

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
178	MHFU002423	AREA E-F	0011	24.81	2009-05-12	158342	9379397-4	MHFX516203
179	MHFU001579	AREA E-F	0011	25.73	2009-05-12	158343	9379398-2	MHFX516203
180	MHFU002228	AREA E-F	0011	25.84	2009-05-12	158344	9379399-0	MHFX516203
181	MHFU002026	AREA E-F	0011	23.14	2009-05-12	158345	9379400-6	MHFX516203
182	MHFU001566	AREA E-F	0011	23.34	2009-05-12	158347	9379401-4	MHFX516203
183	MHFU002344	AREA E-F	0011	24.41	2009-05-13	158348	9379402-2	MHFX516253
184	MHFU001991	AREA E-F	0011	24.76	2009-05-13	158349	9379403-0	MHFX516253
185	MHFU002010	AREA E-F	0011	23.19	2009-05-13	158352	9379404-8	MHFX516253
186	MHFU001504	AREA E-F	0011	23.57	2009-05-13	158354	9379405-5	MHFX516253
187	MHFU002420	AREA E-F	0012	21.62	2009-05-13	158356	9379406-3	MHFX516112
188	MHFU001867	AREA E-F	0012	23.41	2009-05-13	158357	9379407-1	MHFX516112
189	MHFU002045	AREA E-F	0012	23.78	2009-05-13	158358	9379408-9	MHFX516112
190	MHFU002264	AREA E-F	0012	22.13	2009-05-13	158359	9379409-7	MHFX516112
191	MHFU001891	AREA E-F	0012	21.91	2009-05-13	158360	9379410-5	MHFX516282
192	MHFU002222	AREA E-F	0012	21.64	2009-05-13	158361	9379411-3	MHFX516282
193	MHFU001554	AREA E-F	0012	23.00	2009-05-13	158362	9379412-1	MHFX516282
194	MHFU002394	AREA E-F	0012	21.00	2009-05-13	158363	9379413-9	MHFX516282
195	MHFU001687	AREA E-F	0012	21.75	2009-05-13	158364	9379414-7	MHFX516112
196	MHFU002292	AREA E-F	0012	21.18	2009-05-13	158365	9379415-4	MHFX516112
197	MHFU001804	AREA E-F	0012	23.13	2009-05-13	158366	9379416-2	MHFX516282
198	MHFU002207	AREA E-F	0012	22.50	2009-05-13	158367	9379417-0	MHFX516282
199	MHFU001342	AREA E-F	0012	22.58	2009-05-14	158368	9379418-8	MHFX516272
200	MHFU001595	AREA E-F	0012	23.64	2009-05-14	158369	9379419-6	MHFX516272
201	MHFU010183	AREA E-F	0012	22.87	2009-05-14	158370	9379420-4	MHFX516272
202	MHFU002290	AREA E-F	0012	22.00	2009-05-14	158371	9379421-2	MHFX516272
203	MHFU002245	AREA E-F	0012	24.11	2009-05-14	158372	9379422-0	MHFX516272
204	MHFU002392	AREA E-F	0012	23.52	2009-05-14	158373	9379423-8	MHFX516272
205	MHFU002054	AREA E-F	0013	23.64	2009-05-14	158374	9379424-6	GIMX516218
206	MHFU001128	AREA E-F	0013	24.19	2009-05-14	158375	9379425-3	GIMX516218
207	MHFU010108	AREA E-F	0013	25.20	2009-05-14	158379	9379426-1	GIMX516218
208	MHFU002049	AREA E-F	0013	24.00	2009-05-14	158380	9379427-9	GIMX516218
209	MHFU002256	AREA E-F	0013	24.19	2009-05-14	158383	9379428-7	GIMX516218
210	MHFU010060	AREA E-F	0013	23.44	2009-05-14	158384	9379429-5	GIMX516218
211	MHFU002326	AREA E-F	0013	23.21	2009-05-15	158385	9379430-3	GIMX516157
212	MHFU010045	AREA E-F	0013	23.74	2009-05-15	158387	9379431-1	GIMX516157
213	MHFU002385	AREA E-F	0013	22.55	2009-05-15	158388	9379432-9	GIMX516157
214	PLRU101889	AREA E-F	0013	18.37	2009-05-15	158389	9379433-7	GIMX516157
215	PLRU091578	AREA E-F	0013	19.42	2009-05-15	158390	9379434-5	GIMX516157
216	MHFU002342	AREA E-F	0013	24.72	2009-05-15	158391	9379435-2	GIMX516157
217	MHFU001879	AREA E-F	0013	23.59	2009-05-15	158392	9379436-0	GIMX516213
218	MHFU001308	AREA E-F	0013	23.58	2009-05-15	158393	9379437-8	GIMX516213
219	MHFU002310	AREA E-F	0013	24.02	2009-05-15	158394	9379438-6	GIMX516213
220	MHFU002398	AREA E-F	0013	23.01	2009-05-15	158395	9379439-4	GIMX516213
221	MHFU010118	AREA E-F	0013	22.60	2009-05-15	158396	9379440-2	GIMX516213
222	MHFU010125	AREA E-F	0013	23.40	2009-05-15	158397	9379441-0	GIMX516213
223	MHFU002416	AREA E-F	0014	23.45	2009-05-18	158398	9379442-8	GFLX000145
224	MHFU002035	AREA E-F	0014	22.80	2009-05-18	158001	9379443-6	GFLX000145
225	MHFU002327	AREA E-F	0014	23.45	2009-05-18	158002	9379444-4	GFLX000145
226	MHFU002285	AREA E-F	0014	22.66	2009-05-18	158003	9373795-4	GFLX000145
227	MHFU001854	AREA E-F	0014	23.27	2009-05-18	158004	9373796-3	GFLX000145
228	MHFU002306	AREA E-F	0014	22.21	2009-05-18	158005	9373797-1	GFLX000145
229	MHFU010106	AREA E-F	0014	21.82	2009-05-18	158006	9373798-9	MHFX516258
230	MHFU001800	AREA E-F	0014	23.01	2009-05-18	158007	9373799-7	MHFX516258
231	MHFU001123	AREA E-F	0014	23.12	2009-05-18	158008	9373800-2	MHFX516258
232	BKRU012831	AREA E-F	0014	23.52	2009-05-18	158009	9373801-1	MHFX516258
233	MHFU002213	AREA E-F	0014	24.32	2009-05-18	158010	9373802-9	MHFX516258
234	MHFU002349	AREA E-F	0014	22.12	2009-05-18	158011	9373803-7	MHFX516258
235	MHFU001361	AREA E-F	0014	24.38	2009-05-18	158012	9373804-5	GIMX516220
236	MHFU010123	AREA E-F	0014	21.44	2009-05-19	158013	9373805-2	GIMX516220

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
237	MHFU002218	AREA E-F	0014	22.64	2009-05-19	158014	9373806-0	GIMX516220
238	MHFU010164	AREA E-F	0014	20.52	2009-05-19	158015	9373807-8	GIMX516220
239	MHFU002419	AREA E-F	0014	22.48	2009-05-19	158016	9373808-6	GIMX516220
240	MHFU010160	AREA E-F	0014	22.38	2009-05-19	158017	9373809-4	GIMX516220
241	MHFU010146	AREA E-F	0015	25.82	2009-05-19	158018	9373810-2	MHFX516154
242	MHFU010145	AREA E-F	0015	21.83	2009-05-19	158019	9373811-0	MHFX516154
243	MHFU001733	AREA E-F	0015	23.51	2009-05-19	158020	9373812-8	MHFX516154
244	MHFU010154	AREA E-F	0015	24.44	2009-05-19	158021	9373813-6	MHFX516154
245	MHFU002214	AREA E-F	0015	21.71	2009-05-19	158022	9373814-4	MHFX516154
246	MHFU002387	AREA E-F	0015	25.18	2009-05-19	158023	9373815-1	MHFX516154
247	MHFU010087	AREA E-F	0015	23.68	2009-05-19	158024	9373816-9	MHFX516215
248	MHFU010117	AREA E-F	0015	21.63	2009-05-19	158025	9373817-7	MHFX516215
249	MHFU001290	AREA E-F	0015	23.68	2009-05-19	158026	9373820-1	MHFX516215
250	MHFU010188	AREA E-F	0015	22.22	2009-05-19	158030	9373821-9	MHFX516215
251	MHFU002399	AREA E-F	0015	23.20	2009-05-19	158031	9373819-3	MHFX516215
252	MHFU002224	AREA E-F	0015	22.11	2009-05-20	158027	9373824-3	MHFX516241
253	MHFU001769	AREA E-F	0015	24.30	2009-05-20	158029	9373826-6	MHFX516241
254	MHFU010097	AREA E-F	0015	24.02	2009-05-20	158032	9373818-5	MHFX516215
255	MHFU010071	AREA E-F	0015	23.85	2009-05-20	158034	9373823-5	MHFX516241
256	MHFU002039	AREA E-F	0015	22.80	2009-05-20	158035	9373822-7	MHFX516241
257	PLRU091586	AREA E-F	0015	19.24	2009-05-20	158036	9373825-0	MHFX516241
258	PLRU053563	AREA E-F	0015	20.83	2009-05-20	158037	9373833-4	MHFX516241
259	PLRU129484	AREA E-F	0016	22.71	2009-05-20	158038	9373828-4	MHFX516268
260	PLRU053583	AREA E-F	0016	22.95	2009-05-20	158039	9373827-6	MHFX516268
261	PLRU106554	AREA E-F	0016	21.11	2009-05-20	158040	9373829-2	MHFX516268
262	PLRU096807	AREA E-F	0016	21.06	2009-05-20	158041	9373830-0	MHFX516268
263	PLRU132964	AREA E-F	0016	22.16	2009-05-20	158042	9373831-8	MHFX516268
264	PLRU101888	AREA E-F	0016	21.79	2009-05-20	158043	9373832-6	MHFX516268
265	PLRU129438	AREA E-F	0016	23.52	2009-05-20	158044	9373834-2	MHFX516277
266	PLRU132945	AREA E-F	0016	23.40	2009-05-20	158045	9373835-9	MHFX516277
267	PLRU051152	AREA E-F	0016	21.79	2009-05-20	158046	9373836-7	MHFX516277
268	PLRU106559	AREA E-F	0016	19.81	2009-05-21	158047	9373837-5	MHFX516277
269	PLRU101887	AREA E-F	0016	22.84	2009-05-21	158048	9373838-3	MHFX516277
270	PLRU106560	AREA E-F	0016	21.76	2009-05-21	158049	9373839-1	MHFX516277
271	PLRU023040	AREA E-F	0016	23.86	2009-05-21	158050	9373840-9	MHFX516210
272	PLRU022951	AREA E-F	0016	22.16	2009-05-21	158052	9373841-7	MHFX516210
273	PLRU022964	AREA E-F	0016	20.79	2009-05-21	158053	9373842-5	MHFX516210
274	PLRU023101	AREA E-F	0016	21.63	2009-05-21	158054	9373843-3	MHFX516210
275	PLRU023168	AREA E-F	0016	20.50	2009-05-21	158055	9373844-1	MHFX516210
276	PLRU129483	AREA E-F	0016	22.41	2009-05-21	158056	9373845-8	MHFX516210
277	PLRU022871	AREA E-F	0017	23.30	2009-05-21	158057	9373846-6	GIMX516204
278	PLRU023153	AREA E-F	0017	23.20	2009-05-21	158058	9373847-4	GIMX516204
279	PLRU022901	AREA E-F	0017	22.21	2009-05-21	158061	9373848-2	GIMX516204
280	MHFU001758	AREA E-F	0017	25.64	2009-05-21	158062	9373849-0	GIMX516204
281	PLRU050705	AREA E-F	0017	21.79	2009-05-21	158064	9373850-8	GIMX516204
282	MHFU002332	AREA E-F	0017	25.59	2009-05-22	158065	9373851-6	GIMX516204
283	PLRU101881	AREA E-F	0017	22.05	2009-05-22	158066	9373852-4	GIMX099512
284	MHFU002244	AREA E-F	0017	24.37	2009-05-22	158067	9373853-2	GIMX099512
285	PLRU101898	AREA E-F	0017	22.13	2009-05-22	158068	9373854-0	GIMX099512
286	PLRU091555	AREA E-F	0017	20.14	2009-05-22	158069	9373855-7	GIMX099512
287	PLRU101890	AREA E-F	0017	22.16	2009-05-22	158070	9373856-5	GIMX099512
288	MHFU001770	AREA E-F	0017	23.40	2009-05-22	158071	9373857-3	GIMX099512
289	PLRU132952	AREA E-F	0017	20.10	2009-05-22	158072	9373858-1	GIMX516138
290	PLRU107436	AREA E-F	0017	19.74	2009-05-22	158073	9373859-9	GIMX516138
291	PLRU132943	AREA E-F	0017	20.66	2009-05-22	158074	9373860-7	GIMX516138
292	PLRU101900	AREA E-F	0017	21.53	2009-05-22	158075	9373861-5	GIMX516138
293	PLRU129481	AREA E-F	0017	19.65	2009-05-22	158076	9373862-3	GIMX516138
294	PLRU025701	AREA E-F	0018	21.72	2009-05-26	158078	9373864-9	GIMX516138
295	PLRU022908	AREA E-F	0018	20.71	2009-05-27	158082	9373871-4	MHFX516164

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
296	PLRU022926	AREA E-F	0018	20.22	2009-05-27	158083	9373872-2	MHFX516164
297	PLRU023149	AREA E-F	0018	21.02	2009-05-27	158084	9373873-0	MHFX516164
298	PLRU022894	AREA E-F	0018	20.18	2009-05-27	158085	9373874-8	MHFX516164
299	PLRU050688	AREA E-F	0018	20.62	2009-05-27	158086	9373875-5	MHFX516164
300	PLRU053558	AREA E-F	0018	23.59	2009-05-27	158087	9373876-3	MHFX516164
301	PLRU022940	AREA E-F	0018	20.38	2009-05-27	158088	9373877-1	GCCX00013
302	PLRU101884	AREA E-F	0018	22.71	2009-05-27	158089	9373878-9	GCCX00013
303	PLRU091568	AREA E-F	0018	19.34	2009-05-27	158090	9373879-7	GCCX00013
304	PLRU129461	AREA E-F	0018	21.04	2009-05-27	158091	9373880-5	GCCX00013
305	PLRU129462	AREA E-F	0018	21.03	2009-05-27	158092	9373881-3	GCCX00013
306	PLRU051171	AREA E-F	0018	22.38	2009-05-27	158093	9373882-1	GCCX00013
307	PLRU101891	AREA E-F	0018	23.91	2009-05-29	158094	9373883-9	GIMX516233
308	PLRU129458	AREA E-F	0018	20.78	2009-05-29	158095	9373884-7	GIMX516233
309	PLRU106551	AREA E-F	0018	22.02	2009-05-29	158096	9373885-4	GIMX516233
310	PLRU129454	AREA E-F	0018	20.32	2009-05-29	158097	9373886-2	GIMX516233
311	PLRU106549	AREA E-F	0018	22.14	2009-05-29	158098	9373887-0	GIMX516233
312	PLRU132965	AREA E-F	0019	19.31	2009-05-29	158099	9373888-8	GIMX516233
313	MHFU002348	AREA E-F	0019	23.45	2009-05-29	158100	9373889-6	MHFX516234
314	PLRU053551	AREA E-F	0019	20.98	2009-05-29	158101	9373890-4	MHFX516234
315	PLRU091557	AREA E-F	0019	17.58	2009-05-29	158102	9373891-2	MHFX516234
316	MHFU002284	AREA E-F	0019	26.24	2009-05-29	158103	9373892-0	MHFX516234
317	MHFU001716	AREA E-F	0019	25.39	2009-05-29	158104	9373893-8	MHFX516234
318	MHFU001992	AREA E-F	0019	24.65	2009-05-29	158105	9373894-6	MHFX516234
319	MHFU010076	AREA E-F	0019	25.60	2009-06-01	158106	9373895-3	GIMX516129
320	MHFU002128	AREA E-F	0019	24.27	2009-06-01	158107	9373896-1	GIMX516129
321	MHFU001500	AREA E-F	0019	25.85	2009-06-01	158108	9373897-9	GIMX516129
322	MHFU001650	AREA E-F	0019	25.07	2009-06-01	158109	9373898-7	GIMX516129
323	MHFU001465	AREA E-F	0019	24.94	2009-06-01	158110	9373899-5	GIMX516129
324	MHFU002379	AREA E-F	0019	25.58	2009-06-01	158111	9373900-1	GIMX516129
325	MHFU010116	AREA E-F	0019	26.29	2009-06-01	158112	9373901-9	MHFX516266
326	MHFU001984	AREA E-F	0019	25.93	2009-06-01	158113	9373902-7	MHFX516266
327	MHFU002027	AREA E-F	0019	26.17	2009-06-01	158114	9373903-5	MHFX516266
328	MHFU002202	AREA E-F	0019	24.73	2009-06-01	158115	9373904-3	MHFX516266
329	MHFU001819	AREA E-F	0019	25.45	2009-06-01	158116	9373905-0	MHFX516266
330	MHFU001843	AREA E-F	0019	24.57	2009-06-01	158117	9373906-8	MHFX516266
331	EPIU222361	AREA E-F	0020	27.70	2009-06-03	158613	9382003-3	EPIX91441
332	EPIU222174	AREA E-F	0021	28.38	2009-06-03	158614	9382004-1	EPIX91407
333	EPIU222356	AREA E-F	0022	28.63	2009-06-03	158611	9382005-8	EPIX91524
334	EPIU222570	AREA E-F	0023	27.05	2009-06-03	158610	9382006-6	EPIX91409
335	EPIU222526	AREA E-F	0024	27.00	2009-06-03	158609	9382007-4	EPIX91409
336	EPIU222358	AREA E-F	0025	28.43	2009-06-03	158608	9382008-2	EPIX91430
337	EPIU222281	AREA E-F	0026	26.39	2009-06-03	158607	9382009-0	EPIX91430
338	EPIU222322	AREA E-F	0027	28.24	2009-06-03	158606	9382010-8	EPIX91430
339	EPIU222215	AREA E-F		27.04	2009-06-03	158605	9382011-6	EPIX91430
340	EPIU222116	AREA E-F	0028	27.13	2009-06-03	158604	9382012-4	EPIX91409
341	EPIU222564	AREA E-F	0029	29.90	2009-06-03	158603	9382013-2	EPIX91409
342	EPIU223157	AREA E-F	0030	30.55	2009-06-03	158602	9382014-0	EPIX91409
343	EPIU222084	AREA E-F	0031	28.48	2009-06-04	158601	9382015-7	EPIX91409
344	EPIU222002	AREA E-F	0032	32.38	2009-06-04	158600	9382016-5	EPIX91492
345	EPIU222484	AREA E-F	0033	26.79	2009-06-04	158799	9382017-3	EPIX91492
346	EPIU222435	AREA E-F	0034	27.74	2009-06-04	158798	9382018-1	EPIX91401
347	EPIU222215	AREA E-F	0035	27.30	2009-06-04	158797	9382019-9	EPIX91401
348	EPIU222223	AREA E-F	0036	23.87	2009-06-04	158795	9382020-7	EPIX91524
349	EPIU222118	AREA E-F	0037	28.63	2009-06-04	158794	9382021-5	EPIX91401
350	EPIU222216	AREA E-F		26.04	2009-06-04	158793	9382022-3	EPIX91401
351	EPIU222026	AREA E-F	0038	26.65	2009-06-04	158792	9382023-1	EPIX91401
352	EPIU222257	AREA E-F	0039	28.34	2009-06-04	158791	9382024-9	EPIX91401
353	EPIU222392	AREA E-F	0040	26.46	2009-06-04	158790	9382025-6	EPIX91492
354	EPIU222280	AREA E-F	0041	31.53	2009-06-04	158789	9382026-4	EPIX91492

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
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LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
355	EPIU222241	AREA E-F	0042	25.92	2009-06-04	158788	9382027-2	EPIX91492
356	EPIU222147	AREA E-F	0043	28.77	2009-06-04	158787	9382028-0	EPIX91492
357	EPIU223249	AREA E-F	0044	24.72	2009-06-04	158786	9382029-8	EPIX91524
358	EPIU223319	AREA E-F	0045	26.00	2009-06-04	158785	9382030-6	EPIX91524
359	EPIU222242	AREA E-F	0046	23.73	2009-06-04	158784	9382031-4	EPIX91524
360	EPIU222121	AREA E-F	0047	20.07	2009-06-04	158783	9382032-2	EPIX91524
361	EPIU222293	AREA E-F	0048	20.95	2009-06-04	158782	9382033-0	EPIX91430
362	EPIU222225	AREA E-F	0049	22.71	2009-06-04	158781	9382034-8	EPIX91430
363	EPIU222113	AREA E-F	0050	22.08	2009-06-05	158780	9382035-5	EPIX91441
364	EPIU222248	AREA E-F	0051	22.82	2009-06-05	158779	9382036-3	EPIX91441
365	EPIU222305	AREA E-F	0052	23.04	2009-06-05	158778	9382037-1	EPIX91407
366	EPIU222050	AREA E-F	0053	21.82	2009-06-05	158777	9382038-9	EPIX91441
367	EPIU222597	AREA E-F	0054	22.18	2009-06-05	158776	9382039-7	EPIX91407
368	EPIU222052	AREA E-F	0055	23.84	2009-06-05	158775	9382040-5	EPIX91441
369	EPIU222584	AREA E-F	0056	24.37	2009-06-05	158774	9382041-3	EPIX91441
370	EPIU222205	AREA E-F	0057	22.48	2009-06-05	158700	9379633-2	EPIX91407
371	EPIU222041	AREA E-F	0058	25.31	2009-06-05	158701	9379634-0	EPIX91407
372	EPIU222409	AREA E-F	0059	27.27	2009-06-05	158702	9379635-7	EPIX91407
373	EPIU222353	AREA E-F	0060	25.17	2009-06-05	158703	9379636-5	EPIX91484
374	EPIU222079	AREA E-F	0061	24.95	2009-06-05	158704	9379637-3	EPIX91484
375	EPIU222056	AREA E-F	0062	25.32	2009-06-05	158705	9379638-1	EPIX91484
376	EPIU222267	AREA E-F	0063	27.59	2009-06-05	158706	9379639-0	EPIX91400
377	EPIU222092	AREA E-F	0064	24.71	2009-06-05	158707	9379640-7	EPIX91400
378	EPIU222542	AREA E-F	0065	23.42	2009-06-05	158708	9379641-5	EPIX91400
379	EPIU222498	AREA E-F	0066	27.85	2009-06-08	158709	9379642-3	EPIX91400
380	EPIU222366	AREA E-F	0067	25.10	2009-06-08	158710	9379643-1	EPIX91427
381	EPIU222221	AREA E-F	0068	25.65	2009-06-08	158711	9379644-9	EPIX91427
382	EPIU222220	AREA E-F	0069	26.22	2009-06-08	158712	9379645-6	EPIX91427
383	EPIU222328	AREA E-F	0070	23.11	2009-06-08	158713	9379646-4	EPIX91427
384	EPIU223208	AREA E-F	0071	23.54	2009-06-08	158714	9379647-2	EPIX91483
385	EPIU222214	AREA E-F	0072	24.92	2009-06-08	158715	9379648-0	EPIX91483
386	EPIU222013	AREA E-F	0073	27.57	2009-06-08	158716	9379649-8	EPIX91483
387	EPIU222010	AREA E-F	0074	24.26	2009-06-08	158717	9379650-6	EPIX91483
388	EPIU223049	AREA E-F	0075	25.05	2009-06-08	158718	9379651-4	EPIX91421
389	EPIU222517	AREA E-F	0076	23.14	2009-06-08	158719	9378652-2	EPIX91404
390	EPIU222127	AREA E-F	0077	23.72	2009-06-08	158720	9379653-0	EPIX91404
391	EPIU222243	AREA E-F	0078	23.67	2009-06-08	158721	9379654-8	EPIX91404
392	EPIU222533	AREA E-F	0079	20.86	2009-06-08	158722	9379655-5	EPIX91489
393	EPIU222357	AREA E-F	0080	24.94	2009-06-08	158723	9379656-3	EPIX91404
394	EPIU222495	AREA E-F	0081	24.28	2009-06-08	158724	9379657-1	EPIX91489
395	EPIU222107	AREA E-F	0082	22.32	2009-06-09	158725	9379658-9	EPIX91489
396	EPIU222210	AREA E-F	0083	25.48	2009-06-09	158726	9379659-7	EPIX91489
397	EPIU222274	AREA E-F	0084	23.71	2009-06-09	158727	9379660-5	EPIX91421
398	EPIU222258	AREA E-F	0085	24.26	2009-06-09	158728	9379661-3	EPIX91421
399	EPIU222155	AREA E-F	0086	22.05	2009-06-09	158729	9379662-1	EPIX91421
400	EPIU222459	AREA E-F	0087	24.95	2009-06-09	158730	9379663-9	EPIX91483
401	EPIU222134	AREA E-F	0087	25.83	2009-06-09	158731	9379664-7	EPIX91483
402	EPIU222202	AREA E-F	0088	24.93	2009-06-09	158732	9379665-4	EPIX91404
403	EPIU222283	AREA E-F	0089	22.93	2009-06-09	158733	9379666-2	EPIX91489
404	EPIU222467	AREA E-F	0090	25.71	2009-06-09	158734	9379667-0	EPIX91489
405	EPIU222126	AREA E-F	0091	25.38	2009-06-09	158735	9379668-8	EPIX91509
406	EPIU222007	AREA E-F	0092	25.95	2009-06-09	158736	9379669-6	EPIX91509
407	EPIU222230	AREA E-F	0093	26.87	2009-06-09	158737	9379670-4	EPIX91458
408	EPIU222077	AREA E-F		27.37	2009-06-09	158738	9379671-2	EPIX91458
409	EPIU222141	AREA E-F		27.60	2009-06-09	158739	9379672-0	EPIX91509
410	EPIU222086	AREA E-F		28.37	2009-06-09	158740	9379673-8	EPIX91509
411	EPIU223086	AREA E-F	0094	27.85	2009-06-10	158741	9379674-6	EPIX91476
412	EPIU222462	AREA E-F	0095	24.65	2009-06-10	158742	9379675-3	EPIX91476
413	EPIU222552	AREA E-F	0096	26.62	2009-06-10	158743	9379676-1	EPIX91476

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
414	EPIU222111	AREA E-F	0097	26.36	2009-06-10	158744	9379677-9	EPIX91476
415	EPIU222345	AREA E-F	0098	26.36	2009-06-10	158745	9379678-7	EPIX91443
416	EPIU222590	AREA E-F	0099	23.04	2009-06-10	158746	9379679-5	EPIX91443
417	EPIU222097	AREA E-F	0100	24.13	2009-06-10	158747	9379680-3	EPIX91443
418	EPIU222393	AREA E-F	0101	25.03	2009-06-10	158748	9379681-1	EPIX91443
419	EPIU222197	AREA E-F	0102	24.46	2009-06-10	158749	9379682-9	EPIX91459
420	EPIU222411	AREA E-F	0103	24.30	2009-06-10	158750	9379683-7	EPIX91459
421	EPIU222405	AREA E-F	0104	25.78	2009-06-10	158751	9379684-5	EPIX91459
422	EPIU223113	AREA E-F	0105	25.34	2009-06-10	158752	9379685-2	EPIX91459
423	EPIU222286	AREA E-F	0106	25.80	2009-06-10	158753	9379686-0	EPIX91498
424	EPIU222424	AREA E-F	0107	21.73	2009-06-10	158755	9379687-8	EPIX91498
425	EPIU222020	AREA E-F	0108	22.33	2009-06-10	158756	9379688-6	EPIX91498
426	EPIU223112	AREA E-F	0109	23.93	2009-06-10	158757	9379689-4	EPIX91498
427	EPIU222324	AREA E-F	0110	26.44	2009-06-11	158758	9379690-2	EPIX91464
428	EPIU223446	AREA E-F	0111	26.00	2009-06-11	158759	9379691-0	EPIX91464
429	EPIU222256	AREA E-F	0112	25.79	2009-06-11	158760	9379692-8	EPIX91455
430	EPIU223245	AREA E-F	0113	26.83	2009-06-11	158761	9379693-6	EPIX91455
431	EPIU222426	AREA E-F	0114	23.33	2009-06-11	158762	9379694-4	EPIX91464
432	EPIU222580	AREA E-F	0115	22.14	2009-06-11	158763	9379695-1	EPIX91464
433	EPIU222359	AREA E-F	0116	25.05	2009-06-11	158764	9379696-9	EPIX91427
434	EPIU222349	AREA E-F	0117	24.70	2009-06-11	158765	9379697-7	EPIX91427
435	EPIU222417	AREA E-F	0118	26.60	2009-06-11	158766	9379698-5	EPIX91400
436	EPIU222320	AREA E-F	0119	24.15	2009-06-11	158767	9379699-3	EPIX91400
437	EPIU222437	AREA E-F	0120	25.40	2009-06-11	158768	9379700-9	EPIX91484
438	EPIU222337	AREA E-F	0121	25.89	2009-06-11	158769	9379701-7	EPIX91484
439	EPIU222523	AREA E-F	0122	25.17	2009-06-11	158770	9382002-5	EPIX91484
440	EPIU222587	AREA E-F	0123	25.92	2009-06-11	158771	9382000-9	EPIX91421
441	EPIU222103	AREA E-F	0124	26.37	2009-06-11	158772	9282001-7	EPIX91421
442	EPIU222025	AREA E-F	0125	25.00	2009-06-11	158773	9382042-1	EPIX91404
443	EPIU222193	AREA E-F	0126	25.30	2009-06-12	158865	9382043-9	EPIX91504
444	EPIU223172	AREA E-F	0127	25.30	2009-06-12	158866	9382044-7	EPIX91508
445	EPIU222131	AREA E-F	0128	27.18	2009-06-12	158867	9382045-4	EPIX91508
446	EPIU222432	AREA E-F	0129	25.56	2009-06-12	158868	9382046-2	EPIX91508
447	EPIU222454	AREA E-F	0130	24.56	2009-06-12	158869	9382047-0	EPIX91508
448	EPIU223153	AREA E-F	0131	23.23	2009-06-12	158870	9382048-8	EPIX91445
449	EPIU222321	AREA E-F	0132	24.02	2009-06-12	158871	9382049-6	EPIX91445
450	EPIU222081	AREA E-F	0133	23.04	2009-06-12	158872	9382050-4	EPIX91445
451	EPIU222236	AREA E-F	0134	23.40	2009-06-15	158874	9382051-2	EPIX91445
452	EPIU222270	AREA E-F	0135	23.18	2009-06-15	158875	9382052-0	EPIX91504
453	EPIU222177	AREA E-F	0136	24.72	2009-06-15	158876	9382053-8	EPIX91504
454	EPIU222433	AREA E-F	0137	22.05	2009-06-15	158877	9382054-6	EPIX91445
455	EPIU222520	AREA E-F	0138	27.05	2009-06-15	158879	9382055-3	EPIX91504
456	EPIU222460	AREA E-F	0139	27.45	2009-06-15	158880	9382056-1	EPIX91508
457	EPIU222185	AREA E-F	0140	26.38	2009-06-15	158881	9382057-9	EPIX91445
458	EPIU222412	AREA E-F	0141	28.08	2009-06-15	158882	9382058-7	EPIX91504
459	EPIU222415	AREA E-F	0142	25.20	2009-06-15	158883	9382059-5	EPIX91504
460	EPIU222391	AREA E-F	0143	26.76	2009-06-15	158884	9382060-3	EPIX91508
461	EPIU222001	AREA E-F	0144	27.33	2009-06-15	158885	9382061-1	EPIX91474
462	EPIU222540	AREA E-F	0145	24.05	2009-06-15	158886	9382062-9	EPIX91474
463	EPIU222501	AREA E-F	0146	23.42	2009-06-15	158887	9382063-7	EPIX91474
464	EPIU222347	AREA E-F	0147	26.89	2009-06-15	158888	9382064-5	EPIX91474
465	EPIU222190	AREA E-F	0148	25.47	2009-06-15	158889	9382065-2	EPIX91474
466	EPIU222264	AREA E-F	0149	26.47	2009-06-15	158890	9382066-0	EPIX91474
467	EPIU222348	AREA E-F	0150	26.10	2009-06-16	158891	9382067-8	EPIX91525
468	EPIU222195	AREA E-F	0150	23.52	2009-06-16	158892	9382068-6	EPIX91525
469	EPIU222129	AREA E-F	0150	24.83	2009-06-16	158893	9382069-4	EPIX91520
470	EPIU222365	AREA E-F	0150	24.26	2009-06-16	158894	9382070-2	EPIX91520
471	EPIU222282	AREA E-F	0150	25.73	2009-06-16	158895	9382071-0	EPIX91520
472	EPIU222456	AREA E-F	0150	24.13	2009-06-16	158896	9382072-8	EPIX91458

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
473	EPIU222386	AREA E-F	0150	23.35	2009-06-16	158897	9382073-6	EPIX91458
474	EPIU222067	AREA E-F	0150	24.77	2009-06-16	158898	9382074-4	EPIX91509
475	EPIU222453	AREA E-F	0150	24.88	2009-06-16	158617	9382195-7	EPIX91455
476	EPIU222473	AREA E-F	0150	24.53	2009-06-16	158619	9382196-5	EPIX91455
477	EPIU222390	AREA E-F	0150	24.24	2009-06-16	158621	9382197-3	EPIX91464
478	EPIU222535	AREA E-F	0150	22.84	2009-06-16	158622	9382198-1	EPIX91464
479	EPIU222341	AREA E-F	0150	24.10	2009-06-16	158623	9382199-9	EPIX91455
480	EPIU223498	AREA E-F	0150	22.66	2009-06-16	158624	9382200-5	EPIX91509
481	EPIU222273	AREA E-F	0150	24.05	2009-06-16	158625	9382201-3	EPIX91458
482	EPIU222012	AREA E-F	0150	26.01	2009-06-16	158626	9382202-1	EPIX91458
483	EPIU222579	AREA E-F	0150	24.86	2009-06-16	158627	9382203-9	EPIX91520
484	EPIU222541	AREA E-F	0150	27.71	2009-06-16	158628	9382204-7	EPIX91520
485	EPIU222582	AREA E-F	0151	29.30	2009-06-16	158630	9382205-4	EPIX91525
486	EPIU222157	AREA E-F	0151	27.96	2009-06-16	158631	9382206-2	EPIX91525
487	EPIU222577	AREA E-F	0151	24.57	2009-06-17	158632	9382207-0	EPIX91525
488	EPIU222551	AREA E-F	0151	25.75	2009-06-17	158634	9382208-8	EPIX91520
489	EPIU222367	AREA E-F	0151	28.31	2009-06-17	158635	9382210-4	EPIX91470
490	EPIU222373	AREA E-F	0151	27.76	2009-06-17	158636	9382209-6	EPIX91470
491	EPIU222252	AREA E-F	0151	26.24	2009-06-17	158637	9382211-2	EPIX91525
492	EPIU222102	AREA E-F	0151	26.52	2009-06-17	158638	9382212-0	EPIX91511
493	EPIU222496	AREA E-F	0151	23.67	2009-06-17	158639	9382213-8	EPIX91511
494	EPIU222429	AREA E-F	0151	27.33	2009-06-17	158640	9382214-6	EPIX91511
495	EPIU222451	AREA E-F	0151	23.65	2009-06-17	158647	9382215-3	EPIX91511
496	EPIU222194	AREA E-F	0151	23.56	2009-06-17	158648	9382216-1	EPIX91539
497	EPIU222000	AREA E-F	0151	25.55	2009-06-17	158649	9382217-9	EPIX91539
498	EPIU222330	AREA E-F	0151	25.41	2009-06-17	158650	9382218-7	EPIX91539
499	EPIU222374	AREA E-F	0151	26.62	2009-06-17	158641	9382219-5	EPIX91539
500	EPIU222011	AREA E-F	0151	25.86	2009-06-17	158642	9382220-3	EPIX91405
501	EPIU223280	AREA E-F	0151	27.51	2009-06-17	158643	9382221-1	EPIX91405
502	EPIU222180	AREA E-F	0151	24.97	2009-06-17	158646	9382222-9	EPIX91405
503	EPIU222594	AREA E-F	0152	26.36	2009-06-18	158644	9382223-7	EPIX91455
504	EPIU222534	AREA E-F	0152	22.35	2009-06-18	158651	9382224-5	EPIX91405
505	EPIU222494	AREA E-F	0152	24.31	2009-06-18	158657	9382225-2	EPIX91405
506	EPIU222218	AREA E-F	0152	26.74	2009-06-18	158658	9382226-0	EPIX91470
507	EPIU222144	AREA E-F	0152	24.09	2009-06-18	158652	9382227-8	EPIX91470
508	EPIU222309	AREA E-F	0152	24.90	2009-06-18	158653	9382228-6	EPIX91405
509	EPIU222089	AREA E-F	0152	24.83	2009-06-18	158654	9382229-4	EPIX91470
510	EPIU223467	AREA E-F	0152	22.85	2009-06-18	158655	9382230-2	EPIX91470
511	EPIU222171	AREA E-F	0152	23.91	2009-06-18	158656	9382231-0	EPIX91511
512	EPIU222504	AREA E-F	0152	23.33	2009-06-18	158659	9382232-8	EPIX91511
513	EPIU222468	AREA E-F	0152	24.28	2009-06-18	158660	9382233-6	EPIX91539
514	EPIU222568	AREA E-F	0152	25.72	2009-06-18	158662	9382234-4	EPIX91539
515	EPIU222039	AREA E-F	0153	25.01	2009-06-19	158663	9382235-1	EPIX91410
516	EPIU222014	AREA E-F	0153	26.91	2009-06-19	158664	9382236-9	EPIX91410
517	EPIU222548	AREA E-F	0153	26.25	2009-06-19	158665	9382237-7	EPIX91537
518	EPIU222485	AREA E-F	0153	26.95	2009-06-19	158666	9382238-5	EPIX91537
519	EPIU222240	AREA E-F	0153	26.43	2009-06-19	158667	9382239-3	EPIX91498
520	EPIU223082	AREA E-F	0153	24.12	2009-06-19	158668	9382240-1	EPIX91498
521	EPIU222299	AREA E-F	0153	23.85	2009-06-19	158669	9382241-9	EPIX91459
522	EPIU222184	AREA E-F	0153	24.96	2009-06-19	158670	9382242-7	EPIX91459
523	EPIU222291	AREA E-F	0154	24.18	2009-06-22	150300	9382249-2	EPIX91420
524	EPIU222318	AREA E-F	0154	24.57	2009-06-22	150301	9382250-0	EPIX91410
525	EPIU222319	AREA E-F	0154	22.72	2009-06-22	150302	9382251-8	EPIX91532
526	EPIU223314	AREA E-F	0154	24.80	2009-06-22	150303	9382252-6	EPIX91410
527	EPIU222135	AREA E-F	0154	26.09	2009-06-22	150304	9382256-7	EPIX91532
528	EPIU222563	AREA E-F	0154	24.29	2009-06-22	150305	9382253-4	EPIX91410
529	EPIU222457	AREA E-F	0154	25.02	2009-06-22	150306	9382254-2	EPIX91537
530	EPIU222255	AREA E-F	0154	24.34	2009-06-22	150308	9382255-9	EPIX91521
531	EPIU222136	AREA E-F	0154	27.10	2009-06-22	150309	9382257-5	EPIX91420

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
532	EPIU222476	AREA E-F	0154	22.99	2009-06-22	150311	9382258-3	EPIX91537
533	EPIU222445	AREA E-F	0154	24.29	2009-06-22	158671	9382243-5	EPIX91443
534	EPIU222145	AREA E-F	0154	24.08	2009-06-22	158672	9382244-3	EPIX91443
535	EPIU222101	AREA E-F	0154	24.43	2009-06-22	158673	9382245-0	EPIX91476
536	EPIU222104	AREA E-F	0154	24.34	2009-06-22	158674	9382246-8	EPIX91476
537	EPIU222182	AREA E-F	0154	24.13	2009-06-22	158675	9382247-6	EPIX91437
538	EPIU222482	AREA E-F	0154	25.55	2009-06-22	158676	9382248-4	EPIX91532
539	EPIU222003	AREA E-F	0154	25.40	2009-06-23	150312	9382259-1	EPIX91532
540	EPIU222508	AREA E-F	0154	28.03	2009-06-23	150313	9382260-9	EPIX91521
541	EPIU222298	AREA E-F	0155	24.75	2009-06-23	150314	9382261-7	EPIX91420
542	EPIU222559	AREA E-F	0155	27.33	2009-06-23	150400	9382262-5	EPIX91410
543	EPIU222576	AREA E-F	0155	26.83	2009-06-23	150401	9382263-3	EPIX91420
544	EPIU222019	AREA E-F	0155	26.05	2009-06-23	150402	9382266-6	EPIX91437
545	EPIU222176	AREA E-F	0155	25.20	2009-06-23	150403	9382264-1	EPIX91537
546	EPIU222490	AREA E-F	0155	27.12	2009-06-23	150404	9382265-8	EPIX91537
547	EPIU222574	AREA E-F	0155	25.40	2009-06-23	150405	9382305-2	EPIX91532
548	EPIU223095	AREA E-F	0155	29.89	2009-06-23	150406	9382306-0	EPIX91532
549	EPIU222032	AREA E-F	0155	26.85	2009-06-23	150407	9382307-8	EPIX91420
550	EPIU222442	AREA E-F	0155	25.47	2009-06-23	150408	9382308-6	EPIX91420
551	EPIU222506	AREA E-F	0155	25.51	2009-06-23	150409	9382309-4	EPIX91437
552	EPIU222201	AREA E-F	0155	26.71	2009-06-23	150410	9382310-2	EPIX91521
553	EPIU222162	AREA E-F	0155	25.08	2009-06-23	150411	9382311-0	EPIX91437
554	EPIU222164	AREA E-F	0155	25.28	2009-06-23	150412	9382312-8	EPIX91521
555	EPIU222362	AREA E-F	0155	27.31	2009-06-24	150413	9382313-6	EPIX91471
556	EPIU222333	AREA E-F	0155	26.82	2009-06-24	150414	9382314-4	EPIX91521
557	EPIU222422	AREA E-F	0155	26.24	2009-06-24	150415	9382315-1	EPIX91471
558	EPIU222408	AREA E-F	0155	26.90	2009-06-24	150416	9382316-9	EPIX91521
559	EPIU222138	AREA E-F	0156	24.62	2009-06-24	150417	9382317-7	EPIX91437
560	EPIU222567	AREA E-F	0156	26.21	2009-06-24	150418	9382318-5	EPIX91437
561	EPIU222306	AREA E-F	0156	25.18	2009-06-24	150419	9382319-3	EPIX91423
562	EPIU222108	AREA E-F	0156	25.68	2009-06-24	150420	9382320-1	EPIX91529
563	EPIU222537	AREA E-F	0156	25.92	2009-06-24	150421	9382321-9	EPIX91529
564	EPIU222308	AREA E-F	0156	24.85	2009-06-24	150422	9382322-7	EPIX91423
565	EPIU222511	AREA E-F	0156	24.63	2009-06-24	150423	9382323-5	EPIX91526
566	EPIU222087	AREA E-F	0156	23.04	2009-06-24	150424	9382324-3	EPIX91526
567	EPIU222464	AREA E-F	0156	23.48	2009-06-24	150425	9382325-0	EPIX91408
568	EPIU222376	AREA E-F	0156	24.81	2009-06-24	150426	9382326-8	EPIX91408
569	EPIU222106	AREA E-F	0156	26.09	2009-06-24	150427	9382327-6	EPIX91472
570	EPIU222458	AREA E-F	0156	21.56	2009-06-24	150428	9382328-4	EPIX91472
571	EPIU222095	AREA E-F	0156	23.81	2009-06-25	150429	9382329-2	EPIX91540
572	EPIU222189	AREA E-F	0156	22.31	2009-06-25	150430	9382330-0	EPIX91540
573	EPIU222187	AREA E-F	0156	24.93	2009-06-25	150431	9382331-8	EPIX91512
574	EPIU222085	AREA E-F	0156	24.85	2009-06-25	150432	9382332-6	EPIX91512
575	EPIU222167	AREA E-F	0156	24.46	2009-06-25	150433	9382333-4	EPIX91512
576	EPIU222048	AREA E-F	0156	24.04	2009-06-25	150434	9382334-2	EPIX91512
577	EPIU222315	AREA E-F	0157	25.82	2009-06-25	150436	9382335-9	EPIX91471
578	EPIU222317	AREA E-F	0157	23.83	2009-06-25	150437	9382336-7	EPIX91471
579	EPIU222486	AREA E-F	0157	23.54	2009-06-25	150438	9382337-5	EPIX91471
580	EPIU222006	AREA E-F	0157	25.20	2009-06-25	150439	9382338-3	EPIX91471
581	EPIU222287	AREA E-F	0157	25.57	2009-06-25	150440	9382339-1	EPIX91423
582	EPIU223285	AREA E-F	0157	24.84	2009-06-25	150441	9382340-9	EPIX91423
583	EPIU223364	AREA E-F	0157	23.97	2009-06-25	150442	9382341-7	EPIX91493
584	EPIU223397	AREA E-F	0157	23.06	2009-06-25	150443	9382342-5	EPIX91493
585	EPIU223146	AREA E-F	0157	23.63	2009-06-25	150444	9382343-3	EPIX91512
586	EPIU222562	AREA E-F	0157	21.99	2009-06-25	150445	9382344-1	EPIX91512
587	EPIU222119	AREA E-F	0157	24.28	2009-06-26	150446	9382345-8	EPIX91540
588	EPIU223167	AREA E-F	0157	25.75	2009-06-26	150447	9382346-6	EPIX91540
589	EPIU223137	AREA E-F	0157	24.31	2009-06-26	150448	9382347-4	EPIX91540
590	EPIU222403	AREA E-F	0157	23.99	2009-06-26	150449	9382348-2	EPIX91493

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
591	EPIU223282	AREA E-F	0157	24.61	2009-06-26	150450	9382349-0	EPIX91493
592	EPIU222538	AREA E-F	0157	21.65	2009-06-26	150451	9382350-8	EPIX91493
593	EPIU223039	AREA E-F	0157	25.65	2009-06-26	150452	9382351-6	EPIX91493
594	EPIU222344	AREA E-F	0157	25.46	2009-06-26	150453	9382352-4	EPIX91423
595	EPIU223099	AREA E-F	0158	25.00	2009-06-29	150456	9382354-0	EPIX91480
596	EPIU222142	AREA E-F	0158	22.72	2009-06-29	150457	9382353-2	EPIX91480
597	EPIU223075	AREA E-F	0158	21.96	2009-06-29	150458	9382355-7	EPIX91526
598	EPIU223081	AREA E-F	0158	23.20	2009-06-29	150459	9382356-9	EPIX91526
599	EPIU223309	AREA E-F	0158	22.80	2009-06-29	150460	9382357-3	EPIX91423
600	EPIU223105	AREA E-F	0158	24.85	2009-06-29	150461	9382358-1	EPIX91529
601	EPIU222154	AREA E-F	0158	23.81	2009-06-29	150462	9382359-9	EPIX91529
602	EPIU223331	AREA E-F	0158	22.28	2009-06-29	150463	9382360-7	EPIX91529
603	EPIU222431	AREA E-F	0158	23.31	2009-06-29	150464	9382361-5	EPIX91529
604	EPIU222516	AREA E-F	0158	22.75	2009-06-29	150465	9382362-3	EPIX91526
605	EPIU222370	AREA E-F	0158	18.40	2009-06-29	150466	9382363-1	EPIX91408
606	EPIU222300	AREA E-F	0158	22.00	2009-06-29	150469	9382364-9	EPIX91526
607	EPIU223381	AREA E-F	0158	21.22	2009-06-29	150470	9382365-6	EPIX91408
608	EPIU223306	AREA E-F	0158	19.97	2009-06-29	150471	9382366-4	EPIX91472
609	EPIU222378	AREA E-F	0158	19.61	2009-06-29	150473	9382367-2	EPIX91408
610	EPIU222143	AREA E-F	0158	22.05	2009-06-29	150474	9382368-0	EPIX91472
611	EPIU222491	AREA E-F	0158	22.61	2009-06-29	150475	9382369-8	EPIX91408
612	EPIU223475	AREA E-F	0158	22.10	2009-06-29	150476	9382370-6	EPIX91472
613	EPIU222064	AREA E-F	0159	23.52	2009-06-29	150477	9382371-4	EPIX91472
614	EPIU223430	AREA E-F	0159	22.17	2009-06-29	150478	9382372-2	EPIX91540
615	EPIU223470	AREA E-F	0159	24.25	2009-06-30	150480	9382373-0	EPIX91480
616	EPIU222021	AREA E-F	0159	24.22	2009-06-30	150481	9382374-8	EPIX91480
617	EPIU222238	AREA E-F	0159	21.37	2009-06-30	150483	9382375-5	EPIX91523
618	EPIU222071	AREA E-F	0159	24.59	2009-06-30	150484	9382376-3	EPIX91409
619	EPIU222260	AREA E-F	0159	21.90	2009-06-30	150485	9382377-1	EPIX91523
620	EPIU222325	AREA E-F	0159	23.01	2009-06-30	150487	9382378-9	EPIX91456
621	EPIU222338	AREA E-F	0159	25.96	2009-06-30	150488	9382379-7	EPIX91456
622	EPIU222268	AREA E-F	0159	22.87	2009-06-30	150489	9382380-5	EPIX91480
623	EPIU222049	AREA E-F	0159	23.54	2009-06-30	150490	9382381-3	EPIX91523
624	EPIU222062	AREA E-F	0159	25.24	2009-06-30	150491	9382382-1	EPIX91480
625	EPIU222430	AREA E-F	0159	24.69	2009-06-30	150492	9382383-9	EPIX91523
626	EPIU222235	AREA E-F	0159	21.84	2009-06-30	150493	9382384-7	EPIX91523
627	EPIU222395	AREA E-F	0159	22.48	2009-06-30	150494	9382385-4	EPIX91456
628	EPIU222404	AREA E-F	0159	21.93	2009-06-30	150495	9382386-2	EPIX91409
629	EPIU222200	AREA E-F	0159	22.83	2009-06-30	150496	9382387-0	EPIX91456
630	EPIU222289	AREA E-F	0159	23.75	2009-06-30	150497	9382388-8	EPIX91523
631	EPIU222253	AREA E-F	0160	26.11	2009-06-30	150498	9382389-6	EPIX91456
632	EPIU222546	AREA E-F	0160	26.37	2009-06-30	150499	9382390-4	EPIX91456
633	EPIU222354	AREA E-F	0160	26.35	2009-07-01	158502	9382392-0	EPIX91401
634	EPIU222571	AREA E-F	0160	25.63	2009-07-01	158504	9382393-8	EPIX91407
635	EPIU222226	AREA E-F	0160	25.82	2009-07-01	158505	9382394-6	EPIX91401
636	EPIU222323	AREA E-F	0160	24.78	2009-07-01	158506	9382395-3	EPIX91407
637	EPIU222334	AREA E-F	0160	25.40	2009-07-01	158507	9382396-1	EPIX91407
638	EPIU222598	AREA E-F	0160	25.28	2009-07-01	158508	9382397-9	EPIX91407
639	EPIU222466	AREA E-F	0160	23.78	2009-07-01	158509	9382398-7	EPIX91407
640	EPIU222377	AREA E-F	0160	24.53	2009-07-01	158510	9382399-5	EPIX91407
641	EPIU222124	AREA E-F	0160	24.84	2009-07-01	158511	9382400-1	EPIX91409
642	EPIU222203	AREA E-F	0160	25.59	2009-07-01	158514	9382401-9	EPIX91409
643	EPIU222060	AREA E-F	0160	25.54	2009-07-01	158515	9382402-7	EPIX91417
644	EPIU222029	AREA E-F	0160	29.17	2009-07-01	158516	9382403-5	EPIX91417
645	EPIU223438	AREA E-F	0160	29.49	2009-07-01	158517	9382404-3	EPIX91417
646	EPIU223229	AREA E-F	0160	27.10	2009-07-01	158518	9382405-0	EPIX91417
647	EPIU222375	AREA E-F	0160	25.71	2009-07-01	158519	9382406-8	EPIX91524
648	EPIU222139	AREA E-F	0160	26.53	2009-07-01	158520	9382407-6	EPIX91524
649	EPIU222589	AREA E-F	0161	25.89	2009-07-01	158521	9382408-4	EPIX91524

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
650	EPIU222416	AREA E-F	0161	26.72	2009-07-01	158522	9382409-2	EPIX91417
651	EPIU222436	AREA E-F	0161	25.94	2009-07-01	158523	9382410-0	EPIX91401
652	EPIU222096	AREA E-F	0161	26.58	2009-07-01	158524	9382411-8	EPIX91409
653	EPIU223227	AREA E-F	0161	26.42	2009-07-02	158525	9382412-6	EPIX91441
654	EPIU223216	AREA E-F	0161	27.41	2009-07-02	158526	9382413-4	EPIX91441
655	EPIU223416	AREA E-F	0161	26.02	2009-07-02	158527	9382414-2	EPIX91430
656	EPIU223301	AREA E-F	0161	28.53	2009-07-02	158529	9382415-9	EPIX91430
657	EPIU222058	AREA E-F	0161	26.26	2009-07-02	158530	9382416-7	EPIX91441
658	EPIU223321	AREA E-F	0161	25.20	2009-07-02	158531	9382417-5	EPIX91441
659	EPIU223143	AREA E-F	0161	25.02	2009-07-02	158532	9382418-3	EPIX91401
660	EPIU223360	AREA E-F	0161	25.52	2009-07-02	158533	9382419-1	EPIX91401
661	EPIU223012	AREA E-F	0161	25.03	2009-07-02	158534	9382420-9	EPIX91524
662	EPIU222507	AREA E-F	0161	26.81	2009-07-02	158535	9382421-7	EPIX91409
663	EPIU222529	AREA E-F	0161	28.87	2009-07-02	158536	9382422-5	EPIX91401
664	EPIU222519	AREA E-F	0161	27.76	2009-07-02	158537	9382423-3	EPIX91524
665	EPIU223311	AREA E-F	0161	28.00	2009-07-02	158538	9382424-1	EPIX91524
666	EPIU223148	AREA E-F	0161	24.36	2009-07-02	158539	9382425-8	EPIX91417
667	EPIU222160	AREA E-F	0162	27.18	2009-07-06	158541	9382426-6	EPIX91492
668	EPIU222463	AREA E-F	0162	25.79	2009-07-06	158544	9382427-4	EPIX91517
669	EPIU223134	AREA E-F	0162	22.56	2009-07-06	158545	9382428-2	EPIX91492
670	EPIU222488	AREA E-F	0162	23.50	2009-07-06	158549	9382429-0	EPIX91517
671	EPIU223297	AREA E-F	0162	24.99	2009-07-06	158550	9382430-8	EPIX91517
672	EPIU222340	AREA E-F	0162	24.49	2009-07-06	158551	9382431-6	EPIX91517
673	EPIU223048	AREA E-F	0162	24.04	2009-07-06	158552	9382432-4	EPIX91492
674	EPIU223045	AREA E-F	0162	24.28	2009-07-06	158553	9382433-2	EPIX91517
675	EPIU222586	AREA E-F	0162	26.42	2009-07-06	158555	9382434-0	EPIX91517
676	EPIU223347	AREA E-F	0162	25.62	2009-07-06	158556	9382435-7	EPIX91492
677	EPIU222027	AREA E-F	0162	25.97	2009-07-06	158558	9382436-5	EPIX91430
678	EPIU223150	AREA E-F	0162	25.94	2009-07-06	158559	9382437-3	EPIX91430
679	EPIU222407	AREA E-F	0162	23.03	2009-07-06	158561	9382438-1	EPIX91441
680	EPIU223261	AREA E-F	0162	24.16	2009-07-06	158563	9382439-9	EPIX91441
681	EPIU223440	AREA E-F	0162	25.20	2009-07-06	158564	9382440-7	EPIX91430
682	EPIU223016	AREA E-F	0162	24.57	2009-07-06	158565	9382441-5	EPIX91430
683	EPIU223422	AREA E-F	0162	26.54	2009-07-07	158566	9382442-3	EPIX91400
684	EPIU223090	AREA E-F	0162	27.06	2009-07-07	158567	9382443-1	EPIX91427
685	EPIU223259	AREA E-F	0163	24.08	2009-07-07	158568	9382444-9	EPIX91427
686	EPIU222244	AREA E-F	0163	26.03	2009-07-07	158569	9382445-6	EPIX91483
687	EPIU223200	AREA E-F	0163	24.40	2009-07-07	158570	9382446-4	EPIX91484
688	EPIU223356	AREA E-F	0163	26.39	2009-07-07	158571	9382447-2	EPIX91484
689	EPIU222196	AREA E-F	0163	27.27	2009-07-07	158572	9382448-0	EPIX91486
690	EPIU223065	AREA E-F	0163	29.43	2009-07-07	158573	9382470-4	EPIX91486
691	EPIU222269	AREA E-F	0163	27.89	2009-07-07	158574	9382471-2	EPIX91486
692	EPIU223308	AREA E-F	0163	29.86	2009-07-07	158575	9382472-0	EPIX91486
693	EPIU223392	AREA E-F	0163	25.36	2009-07-07	158576	9382473-8	EPIX91486
694	EPIU223199	AREA E-F	0163	27.18	2009-07-07	158577	9382474-6	EPIX91481
695	EPIU222130	AREA E-F	0163	30.17	2009-07-07	158578	9382475-3	EPIX91481
696	EPIU222159	AREA E-F	0163	26.48	2009-07-07	158579	9382476-1	EPIX91481
697	EPIU223453	AREA E-F	0163	27.55	2009-07-07	158580	9382477-9	EPIX91481
698	EPIU222008	AREA E-F	0163	27.21	2009-07-07	158581	9382478-7	EPIX91486
699	EPIU223156	AREA E-F	0163	24.38	2009-07-07	158582	9382479-5	EPIX91481
700	EPIU223487	AREA E-F	0163	25.67	2009-07-07	158583	9382480-3	EPIX91492
701	EPIU222492	AREA E-F	0163	23.41	2009-07-07	158584	9382481-1	EPIX91481
702	EPIU223217	AREA E-F	0163	22.25	2009-07-07	158585	9382482-9	EPIX91492
703	EPIU223291	AREA E-F	0164	24.23	2009-07-08	158586	9382483-7	EPIX91427
704	EPIU222389	AREA E-F	0164	23.43	2009-07-08	158587	9382484-5	EPIX91427
705	EPIU222169	AREA E-F	0164	25.36	2009-07-08	158588	9382485-2	EPIX91427
706	EPIU223454	AREA E-F	0164	20.51	2009-07-08	158589	9382486-0	EPIX91427
707	EPIU223212	AREA E-F	0164	24.11	2009-07-08	158590	9382487-8	EPIX91484
708	EPIU223218	AREA E-F	0164	27.92	2009-07-08	158591	9382488-6	EPIX91484

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
709	EPIU223258	AREA E-F	0164	25.18	2009-07-08	158592	9382489-4	EPIX91483
710	EPIU223122	AREA E-F	0164	25.62	2009-07-08	158593	9382490-2	EPIX91483
711	EPIU222313	AREA E-F	0164	24.58	2009-07-08	158594	9382491-0	EPIX91484
712	EPIU222030	AREA E-F	0164	23.62	2009-07-08	158595	9382492-8	EPIX91484
713	EPIU223295	AREA E-F	0164	23.92	2009-07-08	158596	9382493-6	EPIX91483
714	EPIU223168	AREA E-F	0164	21.40	2009-07-08	158597	9382494-4	EPIX91483
715	EPIU223085	AREA E-F	0164	23.07	2009-07-08	158598	9382495-1	EPIX91483
716	EPIU222475	AREA E-F	0164	23.57	2009-07-08	158599	9382496-9	EPIX91404
717	EPIU223253	AREA E-F	0164	26.08	2009-07-08	158677	9382497-7	EPIX91404
718	EPIU222042	AREA E-F	0164	23.02	2009-07-08	158678	9382498-5	EPIX91400
719	EPIU222009	AREA E-F	0164	25.29	2009-07-09	158680	9382499-3	EPIX91489
720	EPIU223034	AREA E-F	0164	25.59	2009-07-09	158681	9373000-0	EPIX91489
721	EPIU223084	AREA E-F	0165	23.35	2009-07-09	158682	9373001-8	EPIX91489
722	EPIU222206	AREA E-F	0165	24.67	2009-07-09	158683	9373002-6	EPIX91489
723	EPIU222561	AREA E-F	0165	28.27	2009-07-09	158684	9373003-4	EPIX91404
724	EPIU223477	AREA E-F	0165	25.42	2009-07-09	158685	9373004-2	EPIX91404
725	EPIU223062	AREA E-F	0165	26.26	2009-07-09	158686	9373005-9	EPIX91404
726	EPIU222399	AREA E-F	0165	26.90	2009-07-09	158687	9373006-7	EPIX91404
727	EPIU222150	AREA E-F	0165	24.68	2009-07-09	158688	9373007-5	EPIX91400
728	EPIU223274	AREA E-F	0165	23.05	2009-07-09	158689	9373008-3	EPIX91400
729	EPIU223489	AREA E-F	0165	21.89	2009-07-09	158690	9373009-1	EPIX91400
730	EPIU223260	AREA E-F	0165	25.63	2009-07-09	158691	9373010-9	EPIX91400
731	EPIU223488	AREA I	0165	25.58	2009-07-10	158692	9373011-7	EPIX91535
732	EPIU223197	AREA I	0165	26.04	2009-07-10	158693	9373012-5	EPIX91535
733	EPIU222556	AREA I	0165	22.22	2009-07-10	158694	9373013-3	EPIX91535
734	EPIU222151	AREA I	0165	24.52	2009-07-10	158695	9373014-1	EPIX91535
735	EPIU222044	AREA I	0165	24.69	2009-07-10	158699	9373015-8	EPIX91535
736	EPIU223166	AREA I	0165	25.86	2009-07-10	150001	9373016-6	EPIX91535
737	EPIU222406	AREA I	0165	27.34	2009-07-10	150002	9373017-4	EPIX91489
738	EPIU223299	AREA I	0165	25.51	2009-07-10	150003	9373018-2	EPIX91489
739	EPIU222465	AREA I	0166	27.91	2009-07-13	150004	9373019-0	EPIX91433
740	EPIU222211	AREA I	0166	25.16	2009-07-13	150005	9373020-8	EPIX91433
741	EPIU222510	AREA I	0166	24.82	2009-07-13	150006	9373021-6	EPIX91433
742	EPIU223096	AREA I	0166	24.77	2009-07-13	150007	9373022-4	EPIX91425
743	EPIU222192	AREA I	0166	23.93	2009-07-13	150009	9373023-2	EPIX91425
744	EPIU222450	AREA I	0166	26.36	2009-07-13	150010	9373024-0	EPIX91433
745	EPIU222343	AREA I	0166	24.47	2009-07-13	150011	9373025-7	EPIX91425
746	EPIU223340	AREA I	0166	25.83	2009-07-13	150012	9373228-7	EPIX91425
747	EPIU222153	AREA I	0166	25.30	2009-07-13	150014	9373229-5	EPIX91425
748	EPIU222170	AREA I	0166	24.12	2009-07-13	150015	9373230-3	EPIX91425
749	EPIU223110	AREA I	0166	29.55	2009-07-13	150016	9373231-1	EPIX91412
750	EPIU222585	AREA I	0166	28.59	2009-07-13	150017	9373232-9	EPIX91412
751	EPIU222487	AREA I	0166	27.33	2009-07-13	150018	9373233-7	EPIX91412
752	EPIU222350	AREA I	0166	28.91	2009-07-13	150019	9373234-5	EPIX91412
753	EPIU222413	AREA I	0166	24.83	2009-07-13	150020	9373235-2	EPIX91412
754	EPIU223139	AREA I	0166	25.10	2009-07-13	150021	9373236-0	EPIX91412
755	EPIU223265	AREA I	0166	18.58	2009-07-14	150022	9373237-8	EPIX91504
756	EPIU223461	AREA I	0166	21.03	2009-07-14	150023	9373238-6	EPIX91504
757	EPIU223109	AREA I	0167	21.97	2009-07-14	150024	9373239-4	EPIX91421
758	EPIU222208	AREA I	0167	22.38	2009-07-14	150025	9373240-2	EPIX91421
759	EPIU223069	AREA I	0167	19.73	2009-07-14	150026	9373241-0	EPIX91421
760	EPIU222524	AREA I	0167	21.91	2009-07-14	150027	9373242-8	EPIX91421
761	EPIU222112	AREA I	0167	22.83	2009-07-14	150028	9373243-6	EPIX91421
762	EPIU222091	AREA I	0167	26.70	2009-07-14	150029	9373244-4	EPIX91421
763	EPIU222098	AREA I	0167	23.80	2009-07-14	150030	9373245-1	EPIX91448
764	EPIU222158	AREA I	0167	26.81	2009-07-14	150031	9373246-9	EPIX91433
765	EPIU222515	AREA I	0167	29.80	2009-07-14	150032	9373247-7	EPIX91448
766	EPIU223198	AREA I	0167	25.47	2009-07-14	150033	9373248-5	EPIX91433
767	EPIU223052	AREA I	0167	27.26	2009-07-14	150034	9373249-3	EPIX91448

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
768	EPIU223046	AREA I	0167	26.35	2009-07-14	150035	9373250-1	EPIX91448
769	EPIU223196	AREA I	0167	25.60	2009-07-14	150036	9373251-9	EPIX91448
770	EPIU223390	AREA I	0167	28.40	2009-07-14	150037	9373252-7	EPIX91448
771	EPIU223029	AREA I	0167	23.55	2009-07-15	150038	9373253-5	EPIX91459
772	EPIU223457	AREA I	0167	20.74	2009-07-15	150039	9373255-0	EPIX91459
773	EPIU223135	AREA I	0167	23.92	2009-07-15	150040	9373254-3	EPIX91459
774	EPIU222455	AREA I	0167	21.93	2009-07-15	150041	9373256-8	EPIX91459
775	EPIU223350	AREA I	0168	26.00	2009-07-15	150042	9373257-6	EPIX91498
776	EPIU222179	AREA I	0168	23.98	2009-07-15	150043	9373258-4	EPIX91498
777	EPIU223375	AREA I	0168	24.16	2009-07-15	150044	9373259-2	EPIX91504
778	EPIU223103	AREA I	0168	25.65	2009-07-15	150045	9373260-0	EPIX91504
779	EPIU223050	AREA H	0168	30.61	2009-07-15	150046	9373261-8	EPIX91464
780	EPIU223431	AREA H	0168	21.42	2009-07-15	150047	9373262-6	EPIX91464
781	EPIU222310	AREA H	0168	21.00	2009-07-15	150048	9373263-4	EPIX91509
782	EPIU222569	AREA H	0168	22.18	2009-07-15	150049	9373264-2	EPIX91509
783	EPIU223247	AREA H	0168	21.43	2009-07-15	150050	9373265-9	EPIX91458
784	EPIU223479	AREA H	0168	24.76	2009-07-15	150051	9373266-7	EPIX91458
785	EPIU223025	AREA H	0168	25.28	2009-07-15	150052	9373267-5	EPIX91443
786	EPIU223021	AREA H	0168	24.60	2009-07-15	150053	9373268-3	EPIX91443
787	EPIU223242	AREA H	0168	25.47	2009-07-15	150054	9373269-1	EPIX91459
788	EPIU222023	AREA H	0168	25.72	2009-07-15	150055	9373270-9	EPIX91459
789	EPIU223215	AREA H	0168	26.34	2009-07-15	150056	9373271-7	EPIX91498
790	EPIU223256	AREA H	0168	24.70	2009-07-15	150058	9373272-5	EPIX91498
791	EPIU223409	AREA H	0168	26.60	2009-07-16	150061	9373273-3	EPIX91508
792	EPIU222156	AREA H	0168	28.68	2009-07-16	150062	9373274-1	EPIX91508
793	EPIU223262	AREA H	0169	27.52	2009-07-16	150063	9373275-8	EPIX91445
794	EPIU223371	AREA H	0169	28.91	2009-07-16	150064	9373276-6	EPIX91445
795	EPIU223429	AREA H	0169	29.65	2009-07-16	150065	9373277-4	EPIX91474
796	EPIU223421	AREA H	0169	25.30	2009-07-16	150066	9373278-2	EPIX91474
797	EPIU222118	AREA H HAZ	0170	22.98	2009-07-16	002438082JJK	9382267-4	EPIX91452
798	EPIU222116	AREA H HAZ	0170	24.09	2009-07-16	002438083JJK	9382268-2	EPIX91452
799	EPIU222216	AREA H HAZ	0171	21.41	2009-07-16	002438084JJK	9382269-0	EPIX91452
800	EPIU222435	AREA H HAZ	0171	19.19	2009-07-16	002438085JJK	9382270-8	EPIX91452
801	EPIU222084	AREA H HAZ	0172	22.89	2009-07-16	002438086JJK	9382271-6	EPIX91452
802	EPIU222564	AREA H HAZ	0172	18.00	2009-07-16	002438087JJK	9382272-4	EPIX91452
803	EPIU223334	AREA H	0169	23.29	2009-07-17	150067	9373279-0	EPIX91509
804	EPIU222132	AREA H	0169	22.73	2009-07-17	150068	9373280-8	EPIX91476
805	EPIU222033	AREA H	0169	21.11	2009-07-17	150069	9373281-6	EPIX91476
806	EPIU223067	AREA H	0169	21.21	2009-07-17	150070	9373282-4	EPIX91455
807	EPIU223246	AREA H	0169	24.23	2009-07-17	150071	9373283-2	EPIX91455
808	EPIU222295	AREA H	0169	25.60	2009-07-17	150072	9373284-0	EPIX91509
809	EPIU222207	AREA H	0169	26.37	2009-07-17	150073	9373285-7	EPIX91464
810	EPIU222227	AREA H	0169	28.01	2009-07-17	150074	9373286-5	EPIX91464
811	EPIU222052	AREA H & E	0173	25.91	2009-07-20	150075	9373287-3	EPIX91458
812	EPIU222417	AREA H & E	0173	23.79	2009-07-20	150076	9373288-1	EPIX91458
813	EPIU222349	AREA H & E	0173	27.39	2009-07-20	150077	9373289-9	EPIX91443
814	EPIU222392	AREA H & E	0173	25.91	2009-07-20	150078	9373290-7	EPIX91443
815	EPIU222107	AREA H & E	0173	22.13	2009-07-20	150079	9373291-5	EPIX91498
816	EPIU222103	AREA H & E	0173	21.85	2009-07-20	150080	9373292-3	EPIX91504
817	EPIU222231	AREA H & E	0173	22.59	2009-07-20	150081	9373293-1	EPIX91504
818	EPIU222274	AREA H & E	0173	21.15	2009-07-20	150082	9373294-9	EPIX91443
819	EPIU222498	AREA H & E	0173	25.64	2009-07-20	150083	9373295-6	EPIX91458
820	EPIU222437	AREA H & E	0173	26.84	2009-07-20	150084	9373296-4	EPIX91458
821	EPIU222025	AREA H & E	0173	24.13	2009-07-20	150085	9373297-2	EPIX91443
822	EPIU222467	AREA H & E	0173	25.04	2009-07-20	150086	9373298-0	EPIX91498
823	EPIU222066	AREA H & E	0173	28.41	2009-07-20	150087	9373299-8	EPIX91464
824	EPIU222280	AREA H & E	0173	28.71	2009-07-20	150088	9373300-4	EPIX91464
825	EPIU222337	AREA H & E	0173	27.45	2009-07-20	150089	9373301-2	EPIX91509
826	EPIU222584	AREA H & E	0173	29.00	2009-07-20	150090	9373302-0	EPIX91509

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
827	EPIU222092	AREA H & E incl. CWTSsludge1/4cy	0173	26.94	2009-07-21	150091	9373303-8	EPIX91445
828	EPIU222533	AREA H & E	0173	26.67	2009-07-21	150092	9373304-6	EPIX91445
829	EPIU222495	AREA H & E	0174	29.47	2009-07-21	150093	9373305-3	EPIX91508
830	EPIU223157	AREA H & E	0174	26.57	2009-07-21	150094	9373306-1	EPIX91508
831	EPIU222267	AREA H & E	0174	23.62	2009-07-22	150095	9373307-9	EPIX91437
832	EPIU222328	AREA H & E	0174	26.60	2009-07-22	150096	9373308-7	EPIX91532
833	EPIU222056	AREA H & E	0174	26.43	2009-07-22	150097	9373309-5	EPIX91532
834	EPIU222359	AREA H & E	0174	26.74	2009-07-22	150098	9373310-3	EPIX91532
835	EPIU222532	AREA H & E	0174	28.26	2009-07-22	150099	9373311-1	EPIX91455
836	EPIU223399	AREA H & E	0174	25.98	2009-07-22	150200	9373312-9	EPIX91455
837	EPIU223058	AREA H & E	0174	25.38	2009-07-22	150201	9373313-7	EPIX91455
838	EPIU223316	AREA H & E	0174	24.83	2009-07-22	150202	9373314-5	EPIX91455
839	EPIU223495	AREA H & E	0174	25.94	2009-07-22	150203	9373315-2	EPIX91476
840	EPIU222332	AREA H & E	0174	23.57	2009-07-22	150204	9373316-0	EPIX91476
841	EPIU223175	AREA H & E	0174	25.19	2009-07-22	150205	9373317-8	EPIX91476
842	EPIU222358	AREA H & E	0174	24.56	2009-07-22	150206	9373318-6	EPIX91476
843	EPIU222353	AREA H & E	0174	25.00	2009-07-22	150207	9373319-4	EPIX91474
844	EPIU223239	AREA H & E	0174	27.07	2009-07-22	150208	9373320-2	EPIX91474
845	EPIU222221	AREA H & E	0174	26.26	2009-07-22	150209	9373321-0	EPIX91474
846	EPIU222523	AREA H & E	0174	25.49	2009-07-22	150210	9373322-8	EPIX91474
847	EPIU222322	AREA H & E	0175	26.53	2009-07-22	150211	9373323-6	EPIX91445
848	EPIU223023	AREA H & E	0175	28.75	2009-07-22	150212	9373324-4	EPIX91508
849	EPIU223190	AREA H & E	0175	23.08	2009-07-22	150213	9373325-1	EPIX91445
850	EPIU223164	AREA H & E	0175	25.40	2009-07-22	150214	9373326-9	EPIX91508
851	EPIU222418	AREA H & E	0175	26.31	2009-07-23	150215	9373327-7	EPIX91437
852	EPIU223225	AREA H & E	0175	27.18	2009-07-23	150216	9373384-8	EPIX91437
853	EPIU223208	AREA H & E	0175	26.67	2009-07-23	150217	9373385-5	EPIX91420
854	EPIU222517	AREA H & E	0175	27.16	2009-07-23	150218	9373386-3	EPIX91420
855	EPIU222542	AREA H & E	0175	26.69	2009-07-23	150219	9373387-1	EPIX91420
856	EPIU222320	AREA H & E	0175	27.44	2009-07-23	150220	9373388-9	EPIX91420
857	EPIU222214	AREA H & E	0175	25.96	2009-07-23	150221	9373389-7	EPIX91420
858	EPIU222210	AREA H & E	0175	26.85	2009-07-23	150222	9373390-5	EPIX91420
859	EPIU222013	AREA H & E	0175	26.97	2009-07-23	150223	9373391-3	EPIX91468
860	EPIU222079	AREA H & E	0175	27.23	2009-07-23	150224	9373392-1	EPIX91468
861	EPIU222010	AREA H & E	0175	25.03	2009-07-23	150225	9373393-9	EPIX91478
862	EPIU223053	AREA H & E	0175	27.97	2009-07-23	150226	9373394-7	EPIX91468
863	EPIU223379	AREA H & E	0175	26.61	2009-07-23	150227	9373395-4	EPIX91468
864	EPIU222059	AREA H & E	0175	23.85	2009-07-23	150228	9373396-2	EPIX91478
865	EPIU223170	AREA H & E	0176	21.10	2009-07-23	150315	9373397-0	EPIX91478
866	EPIU222293	AREA H & E	0176	24.58	2009-07-24	150317	9373399-6	EPIX91532
867	EPIU222591	AREA H & E	0176	22.84	2009-07-24	150318	9373400-2	EPIX91532
868	EPIU223338	AREA H & E	0176	21.54	2009-07-24	150319	9373401-0	EPIX91478
869	EPIU222219	AREA H & E	0176	22.77	2009-07-24	150320	9373402-8	EPIX91478
870	EPIU222283	AREA H & E	0176	22.89	2009-07-24	150321	9373403-6	EPIX91437
871	EPIU222241	AREA H & E	0176	26.91	2009-07-24	150322	9373404-4	EPIX91532
872	EPIU222257	AREA H & E	0176	23.83	2009-07-24	150323	9373405-1	EPIX91437
873	EPIU222202	AREA H & E	0176	31.82	2009-07-24	150324	9373406-9	EPIX91456
874	EPIU222484	AREA H & E	0176	31.75	2009-07-24	150325	9373407-7	EPIX91437
875	EPIU222366	AREA H & E	0176	28.94	2009-07-24	150326	9373408-5	EPIX91478
876	EPIU222371	AREA H & E	0176	27.70	2009-07-24	150327	9373409-3	EPIX91439
877	EPIU222566	AREA H & E	0176	25.73	2009-07-24	150328	9373410-1	EPIX91538
878	EPIU223333	AREA H & E	0176	25.20	2009-07-24	150329	9373411-9	EPIX91538
879	EPIU223240	AREA H & E	0176	30.86	2009-07-24	150330	9373412-7	EPIX91538
880	EPIU222360	AREA H & E	0176	25.76	2009-07-24	150331	9373413-5	EPIX91538
881	EPIU223089	AREA H & E	0176	26.02	2009-07-24	150332	9373414-3	EPIX91538
882	EPIU223076	AREA H & E	0176	23.79	2009-07-24	150333	9373415-0	EPIX91538
883	EPIU222080	AREA H & E	0177	22.73	2009-07-27	150334	9373416-8	EPIX91439
884	EPIU222220	AREA H & E	0177	24.02	2009-07-27	150335	9373417-6	EPIX91439

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
885	EPIU223121	AREA H & E	0177	22.25	2009-07-27	150336	9373418-4	EPIX91468
886	EPIU222243	AREA H & E	0177	22.25	2009-07-27	150337	9373419-2	EPIX91468
887	EPIU223385	AREA H & E	0177	26.38	2009-07-27	150338	9373420-0	EPIX91439
888	EPIU222133	AREA H & E	0177	25.96	2009-07-27	150339	9373421-8	EPIX91521
889	EPIU223124	AREA H & E	0177	27.18	2009-07-27	150340	9373422-6	EPIX91521
890	EPIU223307	AREA H & E	0177	29.81	2009-07-27	150341	9373423-4	EPIX91521
891	EPIU222249	AREA H & E	0177	28.34	2009-07-27	150343	9373424-2	EPIX91410
892	EPIU222369	AREA H & E	0177	23.59	2009-07-27	150344	9373425-9	EPIX91410
893	EPIU223486	AREA H & E	0177	24.16	2009-07-27	150345	9373426-7	EPIX91537
894	EPIU222152	AREA H & E	0177	25.17	2009-07-27	150346	9373427-5	EPIX91537
895	EPIU223263	AREA H & E	0177	22.90	2009-07-27	150347	9373428-3	EPIX91537
896	EPIU222054	AREA H & E	0177	23.74	2009-07-27	150348	9373429-1	EPIX91410
897	EPIU222595	AREA H & E	0177	25.31	2009-07-27	150349	9373430-9	EPIX91410
898	EPIU223195	AREA H & E	0177	26.63	2009-07-27	150350	9373431-7	EPIX91537
899	EPIU223054	AREA H & E	0177	24.97	2009-07-28	150351	9373432-5	EPIX91453
900	EPIU222331	AREA H & E	0177	25.79	2009-07-28	150352	9373433-3	EPIX91453
901	EPIU222266	AREA H & E	0178	26.26	2009-07-28	150354	9373434-1	EPIX91453
902	EPIU222473	AREA H & E	0178	25.68	2009-07-28	150355	9373435-8	EPIX91453
903	EPIU222453	AREA H & E	0178	26.92	2009-07-28	150356	9373436-6	EPIX91453
904	EPIU222067	AREA H & E	0178	25.32	2009-07-28	150357	9373437-4	EPIX91439
905	EPIU222456	AREA H & E	0178	25.36	2009-07-28	150358	9373438-2	EPIX91439
906	EPIU223498	AREA H & E	0178	24.76	2009-07-28	150359	9373439-0	EPIX91521
907	EPIU222111	AREA H & E	0178	24.65	2009-07-28	150360	9373440-8	EPIX91537
908	EPIU223123	AREA H & E	0178	26.83	2009-07-28	150363	9373441-6	EPIX91537
909	EPIU222572	AREA H & E	0178	26.47	2009-07-28	150365	9373442-4	EPIX91410
910	EPIU223022	AREA H & E	0178	26.29	2009-07-28	150366	9373443-2	EPIX91410
911	EPIU222005	AREA H & E	0178	25.81	2009-07-28	150367	9373444-0	EPIX91521
912	EPIU223313	AREA H & E	0178	26.72	2009-07-28	150368	9373445-7	EPIX91521
913	EPIU222240	AREA H & E	0178	23.79	2009-07-29	150374	9373448-1	EPIX91523
914	EPIU222020	AREA H & E	0178	26.97	2009-07-29	150375	9373449-9	EPIX91523
915	EPIU223113	AREA H & E	0178	26.06	2009-07-29	150376	9373450-7	EPIX91470
916	EPIU222230	AREA H & E	0178	26.59	2009-07-29	150377	9373451-5	EPIX91493
917	EPIU222405	AREA H & E	0178	28.66	2009-07-29	150378	9373452-3	EPIX91525
918	EPIU222580	AREA H & E	0178	27.08	2009-07-29	150379	9373453-1	EPIX91523
919	EPIU222270	AREA H & E	0179	26.84	2009-07-29	150380	9373454-9	EPIX91529
920	EPIU222299	AREA H & E	0179	26.97	2009-07-29	150381	9373455-6	EPIX91526
921	EPIU223082	AREA H & E	0179	25.80	2009-07-29	150382	9373456-4	EPIX91470
922	EPIU222184	AREA H & E	0179	25.84	2009-07-29	150383	9373457-2	EPIX91529
923	EPIU222415	AREA H & E	0179	24.33	2009-07-29	150384	9373458-0	EPIX91529
924	EPIU222426	AREA H & E	0179	23.44	2009-07-29	150385	9373459-8	EPIX91456
925	EPIU222341	AREA H & E	0179	22.79	2009-07-29	150386	9373460-6	EPIX91456
926	EPIU223245	AREA H & E	0179	24.24	2009-07-29	150387	9373461-4	EPIX91526
927	EPIU222552	AREA H & E	0179	23.14	2009-07-29	150388	9373462-2	EPIX91526
928	EPIU223446	AREA H & E	0179	26.71	2009-07-29	150389	9373463-0	EPIX91511
929	EPIU222086	AREA H & E	0179	26.39	2009-07-29	150390	9373464-8	EPIX91511
930	EPIU222141	AREA H & E	0179	24.99	2009-07-29	150391	9373465-5	EPIX91470
931	EPIU222594	AREA H & E	0179	26.43	2009-07-29	150392	9373466-3	EPIX91470
932	EPIU222286	AREA H & E	0179	26.01	2009-07-30	150393	9373468-9	EPIX91523
933	EPIU222424	AREA H & E	0179	23.75	2009-07-30	150394	9373469-7	EPIX91529
934	EPIU222097	AREA H & E	0179	25.15	2009-07-30	150395	9373470-5	EPIX91456
935	EPIU222145	AREA H & E	0179	25.51	2009-07-30	150396	9373471-3	EPIX91456
936	EPIU222445	AREA H & E	0179	24.04	2009-07-30	150397	9373472-1	EPIX91526
937	EPIU222012	AREA H & E	0180	25.59	2009-07-30	150398	9373473-9	EPIX91526
938	EPIU222386	AREA H & E	0180	25.94	2009-07-30	150399	9373474-7	EPIX91511
939	EPIU222126	AREA H & E	0180	23.97	2009-07-30	007001	9373475-4	EPIX91408
940	EPIU223112	AREA H & E	0180	26.57	2009-07-30	007002	9373476-2	EPIX91526
941	EPIU222127	AREA H & E	0180	28.67	2009-07-30	007003	9373477-0	EPIX91471
942	EPIU222347	AREA H & E	0180	24.91	2009-07-30	007004	9373478-8	EPIX91470
943	EPIU222001	AREA H & E	0180	22.83	2009-07-30	007005	9373479-6	EPIX91512

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
944	EPIU222007	AREA H & E	0180	26.30	2009-07-30	007006	9373480-4	EPIX91471
945	EPIU222324	AREA H & E	0180	27.95	2009-07-30	007007	9373481-2	EPIX91408
946	EPIU222303	AREA H & E	0180	23.52	2009-07-30	007008	9373482-0	EPIX91511
947	EPIU223345	AREA H & E	0180	23.45	2009-07-30	007009	9373483-8	EPIX91470
948	EPIU222391	AREA H & E	0180	28.14	2009-07-31	007010	9383500-7	EPIX91512
949	EPIU222264	AREA H & E	0180	26.58	2009-07-31	007011	9383501-5	EPIX91493
950	EPIU222357	AREA H & E	0180	26.05	2009-07-31	007012	9383502-3	EPIX91511
951	EPIU222462	AREA H & E	0180	24.96	2009-07-31	007013	9383503-1	EPIX91511
952	EPIU222256	AREA H & E	0180	22.10	2009-07-31	007014	9383504-9	EPIX91456
953	EPIU222101	AREA H & E	0180	24.71	2009-07-31	007015	9383505-6	EPIX91525
954	EPIU222460	AREA H & E	0180	25.08	2009-07-31	007016	9383506-4	EPIX91525
955	EPIU222411	AREA H & E	0181	21.97	2009-08-03	007017	9383507-2	EPIX91539
956	EPIU222197	AREA H & E	0181	21.82	2009-08-03	007018	9383508-0	EPIX91405
957	EPIU222550	AREA H & E	0181	22.97	2009-08-03	007019	9383509-8	EPIX91529
958	EPIU222520	AREA H & E	0181	25.45	2009-08-03	007020	9383510-6	EPIX91493
959	EPIU223172	AREA H & E	0181	27.48	2009-08-03	007021	9383511-4	EPIX91493
960	EPIU222454	AREA H & E	0181	25.05	2009-08-03	007022	9383512-2	EPIX91529
961	EPIU222412	AREA H & E	0181	24.52	2009-08-03	007023	9383513-0	EPIX91523
962	EPIU222433	AREA H & E	0181	24.99	2009-08-03	007024	9383514-8	EPIX91523
963	EPIU222185	AREA H & E	0181	24.20	2009-08-03	007025	9383515-5	EPIX91525
964	EPIU222193	AREA H & E	0181	21.51	2009-08-03	007026	9383516-3	EPIX91540
965	EPIU222077	AREA H & E	0181	26.44	2009-08-03	007027	9383517-1	EPIX91540
966	EPIU222177	AREA H & E	0181	26.24	2009-08-03	007028	9383518-9	EPIX91472
967	EPIU222390	AREA H & E	0181	22.29	2009-08-03	007029	9383519-7	EPIX91493
968	EPIU222273	AREA H & E	0181	22.97	2009-08-03	007030	9383520-5	EPIX91525
969	EPIU222535	AREA H & E	0181	23.56	2009-08-03	007031	9383521-3	EPIX91525
970	EPIU222590	AREA H & E	0181	24.36	2009-08-03	007032	9383522-1	EPIX91453
971	EPIU223086	AREA H & E	0181	23.65	2009-08-04	007033	9383523-9	EPIX91472
972	EPIU222104	AREA H & E	0181	25.93	2009-08-04	007034	9383524-7	EPIX91512
973	EPIU222501	AREA H & E	0182	24.93	2009-08-04	007035	9383525-4	EPIX91512
974	EPIU222190	AREA H & E	0182	25.15	2009-08-04	007036	9383526-2	EPIX91408
975	EPIU222131	AREA H & E	0182	23.68	2009-08-04	007037	9383527-0	EPIX91471
976	EPIU223153	AREA H & E	0182	26.77	2009-08-04	007038	9383528-8	EPIX91423
977	EPIU222432	AREA H & E	0182	24.91	2009-08-04	007039	9383529-6	EPIX91540
978	EPIU222482	AREA H & E	0182	26.55	2009-08-04	007040	9383530-4	EPIX91472
979	EPIU222368	AREA H & E	0182	23.64	2009-08-04	007041	9383531-2	EPIX91472
980	EPIU222032	AREA H & E	0182	23.48	2009-08-04	007042	9383532-0	EPIX91408
981	EPIU222291	AREA H & E	0182	24.96	2009-08-04	007043	9383533-8	EPIX91471
982	EPIU222442	AREA H & E	0182	23.77	2009-08-04	007044	9383534-6	EPIX91471
983	EPIU222576	AREA H & E	0182	22.81	2009-08-04	007045	9383535-3	EPIX91512
984	EPIU223269	AREA H & E	0182	26.49	2009-08-04	007046	9383536-1	EPIX91423
985	EPIU222081	AREA H & E	0182	21.14	2009-08-04	007047	9383537-9	EPIX91512
986	EPIU222236	AREA H & E	0182	22.95	2009-08-04	007048	9383538-7	EPIX91493
987	EPIU223339	AREA H & E	0182	24.24	2009-08-05	007049	9383539-5	EPIX91472
988	EPIU222575	AREA H & E	0182	24.42	2009-08-05	007050	9383540-3	EPIX91540
989	EPIU223378	AREA H & E	0182	25.24	2009-08-05	007051	9383541-1	EPIX91454
990	EPIU222297	AREA H & E	0182	25.92	2009-08-05	007052	9383542-9	EPIX91454
991	EPIU222271	AREA H & E	0183	23.61	2009-08-05	007053	9383543-7	EPIX91423
992	EPIU222290	AREA H & E	0183	27.75	2009-08-05	007054	9383544-5	EPIX91405
993	EPIU222135	AREA H & E	0183	26.58	2009-08-05	007055	9383545-2	EPIX91539
994	EPIU223228	AREA H & E	0183	29.78	2009-08-05	007056	9383546-0	EPIX91520
995	EPIU223149	AREA H & E	0183	28.03	2009-08-05	007057	9383547-8	EPIX91423
996	EPIU223346	AREA H & E	0183	27.60	2009-08-05	007058	9383548-6	EPIX91540
997	EPIU222352	AREA H & E	0183	25.63	2009-08-05	007059	9383549-4	EPIX91540
998	EPIU222393	AREA H & E	0183	23.13	2009-08-05	007060	9383550-2	EPIX91454
999	EPIU222345	AREA H & E	0183	25.35	2009-08-05	007061	9383551-0	EPIX91454
1000	EPIU222587	AREA H & E	0183	22.99	2009-08-05	007062	9383552-8	EPIX91454
1001	EPIU222319	AREA H & E	0183	22.54	2009-08-05	007063	9383553-6	EPIX91423
1002	EPIU222574	AREA H & E	0183	23.57	2009-08-05	007064	9383554-4	EPIX91423

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
1003	EPIU222003	AREA H & E	0183	27.11	2009-08-06	007065	9383555-1	EPIX91492
1004	EPIU223095	AREA H & E	0183	24.41	2009-08-06	007066	9383556-9	EPIX91486
1005	EPIU222298	AREA H & E	0183	24.10	2009-08-06	007067	9383557-7	EPIX91401
1006	EPIU222136	AREA H & E	0183	25.88	2009-08-06	007068	9383558-5	EPIX91539
1007	EPIU222540	AREA H & E	0183	25.17	2009-08-06	007069	9383559-3	EPIX91539
1008	EPIU222321	AREA H & E	0183	24.49	2009-08-06	007070	9383560-1	EPIX91520
1009	EPIU223231	AREA H & E	0184	26.70	2009-08-06	007071	9383561-9	EPIX91405
1010	EPIU223145	AREA H & E	0184	26.24	2009-08-06	007072	9383562-7	EPIX91520
1011	EPIU223268	AREA H & E	0184	28.54	2009-08-06	007073	9383563-5	EPIX91405
1012	EPIU223238	AREA H & E	0184	26.47	2009-08-06	007074	9383564-3	EPIX91405
1013	EPIU223408	AREA H & E	0184	21.35	2009-08-06	007075	9383565-0	EPIX91454
1014	EPIU222217	AREA H & E	0184	29.21	2009-08-06	007076	9383566-8	EPIX91539
1015	EPIU222549	AREA H & E	0184	25.32	2009-08-06	007077	9383567-6	EPIX91520
1016	EPIU223413	AREA H & E	0184	26.94	2009-08-06	007078	9383568-4	EPIX91520
1017	EPIU222100	AREA H & E	0184	27.79	2009-08-06	007079	9383569-2	EPIX91539
1018	EPIU223456	AREA H & E	0184	20.72	2009-08-06	007080	9383570-0	EPIX91405
1019	EPIU222573	AREA H & E	0184	22.29	2009-08-07	007081	9383571-8	EPIX91401
1020	EPIU223114	AREA H & E	0184	20.95	2009-08-07	007082	9383572-6	EPIX91441
1021	EPIU222522	AREA H & E	0184	19.93	2009-08-07	007083	9383573-4	EPIX91430
1022	EPIU222531	AREA H & E	0184	18.00	2009-08-07	007084	9383574-2	EPIX91520
1023	EPIU223341	AREA H & E	0184	25.38	2009-08-07	007085	9383575-9	EPIX91471
1024	EPIU222005	AREA H & E	0184	26.17	2009-08-07	007086	9383576-7	EPIX91408
1025	EPIU223281	AREA H & E	0184	24.96	2009-08-07	007087	9383577-5	EPIX91408
1026	EPIU223194	AREA H & E	0184	25.60	2009-08-07	007088	9383578-3	EPIX91472
1027	EPIU222182	AREA H & E	0185	25.82	2009-08-10	007089	9383579-1	EPIX91401
1028	EPIU222162	AREA H & E	0185	28.67	2009-08-10	007090	9383580-9	EPIX91409
1029	EPIU222019	AREA H & E	0185	25.29	2009-08-10	007091	9383581-7	EPIX91409
1030	EPIU222506	AREA H & E	0185	30.19	2009-08-10	007092	9383582-5	EPIX91401
1031	EPIU222248	AREA H & E	0185	31.71	2009-08-10	002438088JJK	9382273-2	EPIX91480
1032	EPIU222113	AREA H & E	0185	29.59	2009-08-10	002438089JJK	9382274-0	EPIX91517
1033	EPIU222409	AREA H & E	0185	31.19	2009-08-10	002438090JJK	9382275-7	EPIX91517
1034	EPIU222225	AREA H & E	0185	29.38	2009-08-10	002438091JJK	9382276-5	EPIX91480
1035	EPIU222050	AREA H & E	0185	15.45	2009-08-10	002438093JJK	9382278-1	EPIX91517
1036	EPIU222361	AREA H & E	0185	12.81	2009-08-10	002438092JJK	9382277-3	EPIX91480
1037	EPIU223282	AREA H & E	0185	20.87	2009-08-10	007093	9383583-3	EPIX91401
1038	EPIU223364	AREA H & E	0185	22.84	2009-08-10	007094	9383584-1	EPIX91409
1039	EPIU223039	AREA H & E	0185	20.44	2009-08-10	007095	9383585-8	EPIX91409
1040	EPIU222085	AREA H & E	0185	22.10	2009-08-10	007096	9383586-6	EPIX91409
1041	EPIU223397	AREA H & E	0185	24.61	2009-08-10	007097	9383587-4	EPIX91409
1042	EPIU222562	AREA H & E	0185	24.52	2009-08-10	007098	9383588-2	EPIX91401
1043	EPIU223146	AREA H & E	0185	25.19	2009-08-11	007099	9383589-0	EPIX91492
1044	EPIU223250	AREA H & E	0185	22.92	2009-08-11	007100	9383590-8	EPIX91430
1045	EPIU223270	AREA H & E	0186	23.10	2009-08-11	007101	9383591-6	EPIX91407
1046	EPIU223257	AREA H & E	0186	24.20	2009-08-11	007102	9383592-4	EPIX91407
1047	EPIU222485	AREA H & E	0186	25.41	2009-08-11	007103	9383593-2	EPIX91524
1048	EPIU222548	AREA H & E	0186	22.89	2009-08-11	007104	9383594-0	EPIX91524
1049	EPIU222333	AREA H & E	0186	25.75	2009-08-11	007105	9383595-7	EPIX91441
1050	EPIU222201	AREA H & E	0186	24.94	2009-08-11	007106	9383596-5	EPIX91441
1051	EPIU222255	AREA H & E	0186	24.45	2009-08-11	007107	9383597-3	EPIX91430
1052	EPIU222567	AREA H & E	0186	26.35	2009-08-11	007108	9383598-1	EPIX91486
1053	EPIU222408	AREA H & E	0186	25.61	2009-08-11	007109	9383599-9	EPIX91492
1054	EPIU222138	AREA H & E	0186	22.75	2009-08-11	007110	9383600-5	EPIX91486
1055	EPIU222164	AREA H & E	0186	24.72	2009-08-11	007111	9383601-3	EPIX91430
1056	EPIU223352	AREA H & E	0186	27.25	2009-08-11	007112	9383602-1	EPIX91430
1057	EPIU222039	AREA H & E	0186	24.50	2009-08-11	007113	9383603-9	EPIX91441
1058	EPIU223314	AREA H & E	0186	27.91	2009-08-11	007114	9383604-7	EPIX91407
1059	EPIU222176	AREA H & E	0186	28.27	2009-08-12	007115	9383605-4	EPIX91433
1060	EPIU222457	AREA H & E	0186	28.80	2009-08-12	007116	9383606-2	EPIX91425
1061	EPIU223472	AREA H & E	0186	26.88	2009-08-12	007117	9383607-0	EPIX91425

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
1062	EPIU223066	AREA H & E	0186	29.10	2009-08-12	007118	9383608-8	EPIX91404
1063	EPIU222123	AREA H & E	0187	27.69	2009-08-12	007119	9383609-6	EPIX91417
1064	EPIU223359	AREA H & E	0187	19.51	2009-08-12	007120	9383610-4	EPIX91417
1065	EPIU223104	AREA H & E	0187	21.59	2009-08-12	007121	9383611-2	EPIX91417
1066	EPIU223221	AREA H & E	0187	23.43	2009-08-12	007122	9383612-0	EPIX91417
1067	EPIU223445	AREA H & E	0187	22.50	2009-08-12	007123	9383613-8	EPIX91417
1068	EPIU223428	AREA H & E	0187	21.30	2009-08-12	007124	9383614-6	EPIX91524
1069	EPIU222394	AREA H & E	0187	22.65	2009-08-12	007125	9383615-3	EPIX91492
1070	EPIU223030	AREA H & E	0187	23.02	2009-08-12	007126	9383616-1	EPIX91486
1071	EPIU222154	AREA H & E	0187	27.81	2009-08-12	007127	9383617-9	EPIX91400
1072	EPIU222447	AREA H & E	0187	28.37	2009-08-12	007128	9383618-7	EPIX91492
1073	EPIU222546	AREA H & E	0187	27.64	2009-08-12	007129	9383619-5	EPIX91492
1074	EPIU222325	AREA H & E	0187	27.94	2009-08-12	007130	9383620-3	EPIX91430
1075	EPIU222087	AREA H & E	0187	26.72	2009-08-13	007131	9383621-1	EPIX91486
1076	EPIU222579	AREA H & E	0187	25.19	2009-08-13	007132	9383622-9	EPIX91407
1077	EPIU222348	AREA H & E	0187	26.44	2009-08-13	007133	9383623-7	EPIX91486
1078	EPIU222157	AREA H & E	0187	26.07	2009-08-13	007134	9383624-5	EPIX91441
1079	EPIU222002	AREA H & E	0187	24.45	2009-08-13	002438094JJK	9382279-9	EPIX91517
1080	EPIU222223	AREA H & E	0187	24.48	2009-08-13	002438095JJK	9382280-7	EPIX91480
1081	EPIU222289	AREA H & E	0188	23.73	2009-08-13	007135	9383625-2	EPIX91407
1082	EPIU222252	AREA H & E	0188	21.01	2009-08-13	007136	9383626-0	EPIX91524
1083	EPIU222281	AREA H & E	0188	22.10	2009-08-13	002438096JJK	9382281-5	EPIX91480
1084	EPIU222265	AREA H & E	0188	21.91	2009-08-13	002438097JJK	9382282-3	EPIX91517
1085	EPIU222195	AREA H & E	0188	23.18	2009-08-13	007137	9383627-8	EPIX91524
1086	EPIU222365	AREA H & E	0188	24.64	2009-08-13	007138	9383628-6	EPIX91407
1087	EPIU223249	AREA H & E	0188	22.37	2009-08-13	002438098JJK	9382283-1	EPIX91517
1088	EPIU222242	AREA H & E	0188	22.76	2009-08-13	002438099JJK	9382284-9	EPIX91480
1089	EPIU222491	AREA H & E	0188	27.06	2009-08-13	007139	9383629-4	EPIX91441
1090	EPIU223475	AREA H & E	0188	30.77	2009-08-13	007140	9383630-2	EPIX91524
1091	EPIU222511	AREA H & E	0188	25.04	2009-08-14	007141	9383631-0	EPIX91400
1092	EPIU222476	AREA H & E	0188	25.79	2009-08-14	007142	9383632-8	EPIX91400
1093	EPIU223081	AREA H & E	0188	24.72	2009-08-14	007143	9383633-6	EPIX91400
1094	EPIU222451	AREA H & E	0188	22.21	2009-08-14	007144	9383634-4	EPIX91404
1095	EPIU222490	AREA H & E	0188	24.55	2009-08-14	007145	9383635-1	EPIX91404
1096	EPIU223306	AREA H & E	0188	24.89	2009-08-14	007146	9383636-9	EPIX91433
1097	EPIU222537	AREA H & E	0188	24.86	2009-08-14	007147	9383637-7	EPIX91400
1098	EPIU222108	AREA H & E	0188	24.34	2009-08-14	007148	9383638-5	EPIX91417
1099	EPIU222287	AREA H & E	0189	25.43	2009-08-17	007149	9383639-3	EPIX91481
1100	EPIU222102	AREA H & E	0189	25.10	2009-08-17	007150	9383640-1	EPIX91481
1101	EPIU223075	AREA H & E	0189	22.83	2009-08-17	007151	9383641-9	EPIX91433
1102	EPIU222496	AREA H & E	0189	24.09	2009-08-17	007152	9383642-7	EPIX91433
1103	EPIU222171	AREA H & E	0189	23.38	2009-08-17	007153	9383643-5	EPIX91433
1104	EPIU222308	AREA H & E	0189	25.91	2009-08-17	007154	9383644-3	EPIX91425
1105	EPIU222429	AREA H & E	0189	26.39	2009-08-17	007155	9383645-0	EPIX91433
1106	EPIU222200	AREA H & E	0189	28.19	2009-08-17	007156	9383646-8	EPIX91489
1107	EPIU222089	AREA H & E	0189	27.15	2009-08-17	007157	9383647-6	EPIX91427
1108	EPIU223467	AREA H & E	0189	26.95	2009-08-17	007158	9383648-4	EPIX91404
1109	EPIU222516	AREA H & E	0189	28.71	2009-08-17	007159	9383649-2	EPIX91425
1110	EPIU222340	AREA H & E	0189	24.40	2009-08-17	007160	9383650-0	EPIX91425
1111	EPIU222488	AREA H & E	0189	26.85	2009-08-17	007161	9383651-8	EPIX91404
1112	EPIU223470	AREA H & E	0189	25.11	2009-08-17	007162	9383652-6	EPIX91425
1113	EPIU222142	AREA H & E	0189	25.64	2009-08-17	007163	9383653-4	EPIX91400
1114	EPIU222180	AREA H & E	0189	23.86	2009-08-17	007164	9383654-2	EPIX91404
1115	EPIU222062	AREA H & E	0189	25.37	2009-08-18	007165	9383655-9	EPIX91535
1116	EPIU223099	AREA H & E	0189	25.41	2009-08-18	007166	9383656-7	EPIX91535
1117	EPIU222534	AREA H & E	0190	23.27	2009-08-18	007167	9383657-5	EPIX91535
1118	EPIU222309	AREA H & E	0190	26.29	2009-08-18	007168	9383658-3	EPIX91535
1119	EPIU222124	AREA H & E	0190	24.74	2009-08-18	007169	9383659-1	EPIX91535
1120	EPIU222404	AREA H & E	0190	24.95	2009-08-18	007170	9383660-9	EPIX91535

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
1121	EPIU222226	AREA H & E	0190	26.33	2009-08-18	007171	9383661-7	EPIX91421
1122	EPIU222071	AREA H & E	0190	21.98	2009-08-18	007172	9383662-5	EPIX91427
1123	EPIU222203	AREA H & E	0190	27.06	2009-08-18	007173	9383663-3	EPIX91427
1124	EPIU222354	AREA H & E	0190	24.07	2009-08-18	007174	9383664-1	EPIX91421
1125	EPIU223143	AREA H & E	0190	26.46	2009-08-18	007175	9383665-8	EPIX91489
1126	EPIU222395	AREA H & E	0190	26.08	2009-08-18	007176	9383666-6	EPIX91481
1127	EPIU223297	AREA H & E	0190	26.80	2009-08-18	007177	9383667-4	EPIX91481
1128	EPIU222253	AREA H & E	0190	28.29	2009-08-18	007178	9383668-2	EPIX91421
1129	EPIU222436	AREA H & E	0190	25.09	2009-08-18	007179	9383669-0	EPIX91481
1130	EPIU223360	AREA H & E	0190	24.73	2009-08-18	007180	9383670-8	EPIX91481
1131	EPIU222282	AREA H & E	0190	26.03	2009-08-19	007181	9383671-6	EPIX91455
1132	EPIU222541	AREA H & E	0190	26.20	2009-08-19	007182	9383672-4	EPIX91455
1133	EPIU222468	AREA H & E	0190	26.83	2009-08-19	007183	9383673-2	EPIX91464
1134	EPIU222194	AREA H & E	0190	24.94	2009-08-19	007184	9383674-0	EPIX91464
1135	EPIU223280	AREA H & E	0191	25.13	2009-08-19	007185	9383675-7	EPIX91509
1136	EPIU222494	AREA H & E	0191	26.20	2009-08-19	007186	9383676-5	EPIX91458
1137	EPIU222021	AREA H & E	0191	28.65	2009-08-19	007187	9383677-3	EPIX91509
1138	EPIU222589	AREA H & E	0191	25.72	2009-08-19	007188	9383678-1	EPIX91509
1139	EPIU222375	AREA H & E	0191	24.46	2009-08-19	007189	9383679-9	EPIX91458
1140	EPIU223227	AREA H & E	0191	24.32	2009-08-19	007190	9383680-7	EPIX91452
1141	EPIU223012	AREA H & E	0191	22.23	2009-08-19	007191	9383681-5	EPIX91452
1142	EPIU223016	AREA H & E	0191	23.23	2009-08-19	007192	9383682-3	EPIX91476
1143	EPIU222571	AREA H & E	0191	26.24	2009-08-19	007193	9383683-1	EPIX91483
1144	EPIU223416	AREA H & E	0191	26.27	2009-08-19	007194	9383684-9	EPIX91483
1145	EPIU223065	AREA H & E	0191	24.75	2009-08-19	007195	9383685-6	EPIX91484
1146	EPIU222058	AREA H & E	0191	27.42	2009-08-19	007196	9383686-4	EPIX91484
1147	EPIU222196	AREA H & E	0191	25.72	2009-08-20	007197	9383687-2	EPIX91489
1148	EPIU223487	AREA H & E	0191	24.41	2009-08-20	007198	9383688-0	EPIX91483
1149	EPIU222269	AREA H & E	0191	25.25	2009-08-20	007199	9383689-8	EPIX91483
1150	EPIU223048	AREA H & E	0191	24.72	2009-08-20	007200	9383690-6	EPIX91483
1151	EPIU222334	AREA H & E	0191	23.06	2009-08-20	007201	9383691-4	EPIX91489
1152	EPIU222519	AREA H & E	0191	22.93	2009-08-20	007202	9383692-2	EPIX91484
1153	EPIU222096	AREA H & E	0192	24.54	2009-08-20	007203	9383693-0	EPIX91484
1154	EPIU223311	AREA H & E	0192	26.53	2009-08-20	007204	9383694-8	EPIX91484
1155	EPIU223308	AREA H & E	0192	23.34	2009-08-20	007205	9383695-5	EPIX91427
1156	EPIU222507	AREA H & E	0192	25.73	2009-08-20	007206	9383696-3	EPIX91484
1157	EPIU222598	AREA H & E	0192	25.69	2009-08-20	007207	9383697-1	EPIX91427
1158	EPIU223261	AREA H & E	0192	27.73	2009-08-20	007208	9383698-9	EPIX91427
1159	EPIU222407	AREA H & E	0192	26.84	2009-08-20	007209	9383699-7	EPIX91489
1160	EPIU222139	AREA H & E	0192	25.92	2009-08-20	007210	9383700-3	EPIX91421
1161	EPIU223321	AREA H & E	0192	24.83	2009-08-20	007211	9383701-1	EPIX91421
1162	EPIU222377	AREA H & E	0192	26.82	2009-08-20	007212	9383702-9	EPIX91421
1163	EPIU222167	AREA H & E	0192	25.13	2009-08-21	007213	9383703-7	EPIX91476
1164	EPIU222048	AREA H & E	0192	23.61	2009-08-21	007214	9383704-5	EPIX91458
1165	EPIU222431	AREA H & E	0192	27.91	2009-08-21	007215	9383705-2	EPIX91458
1166	EPIU222300	AREA H & E	0192	29.10	2009-08-21	007216	9383706-0	EPIX91476
1167	EPIU222464	AREA H & E	0192	29.14	2009-08-21	007217	9383707-8	EPIX91452
1168	EPIU222362	AREA H & E	0192	22.84	2009-08-21	007218	9383708-6	EPIX91476
1169	EPIU223381	AREA H & E	0192	22.03	2009-08-21	007219	9383709-4	EPIX91452
1170	EPIU222422	AREA H & E	0192	23.17	2009-08-21	007220	9383710-2	EPIX91483
1171	EPIU222508	AREA H & E	0193	25.69	2009-08-24	007221	9383711-0	EPIX91458
1172	EPIU222318	AREA H & E	0193	26.79	2009-08-24	007222	9383712-8	EPIX91458
1173	EPIU222559	AREA H & E	0193	25.78	2009-08-24	007223	9383713-6	EPIX91509
1174	EPIU223219	AREA H & E	0193	27.23	2009-08-24	007224	9383714-4	EPIX91455
1175	EPIU223440	AREA H & E	0193	25.55	2009-08-24	007225	9383715-1	EPIX91464
1176	EPIU222323	AREA H & E	0193	25.34	2009-08-24	007226	9383716-9	EPIX91509
1177	EPIU222510	AREA H & E	0193	25.01	2009-08-24	007227	9383717-7	EPIX91464
1178	EPIU222153	AREA H & E	0193	23.10	2009-08-24	007228	9383718-5	EPIX91431
1179	EPIU223062	AREA H & E	0193	25.19	2009-08-24	007229	9383719-3	EPIX91464

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
1180	EPIU222211	AREA H & E	0193	25.25	2009-08-24	007230	9383720-1	EPIX91464
1181	EPIU222192	AREA H & E	0193	24.52	2009-08-24	007231	9383721-9	EPIX91455
1182	EPIU222561	AREA H & E	0193	25.32	2009-08-24	007232	9383722-7	EPIX91509
1183	EPIU223198	AREA H & E	0193	23.58	2009-08-24	007233	9383723-5	EPIX91455
1184	EPIU222158	AREA H & E	0193	24.15	2009-08-24	007234	9383724-3	EPIX91455
1185	EPIU222450	AREA H & E	0193	25.41	2009-08-24	007235	9383725-0	EPIX91476
1186	EPIU222170	AREA H & E	0193	25.44	2009-08-24	007236	9383726-8	EPIX91489
1187	EPIU223150	AREA H & E	0193	26.19	2009-08-25	007237	9383727-6	EPIX91531
1188	EPIU222060	AREA H & E	0193	25.62	2009-08-25	007238	9383728-4	EPIX91531
1189	EPIU222317	AREA H & E	0194	25.78	2009-08-25	007239	9383729-2	EPIX91530
1190	EPIU222403	AREA H & E	0194	25.05	2009-08-25	007240	9383730-2	EPIX91431
1191	EPIU222492	AREA H & E	0194	24.25	2009-08-25	007241	9383731-8	EPIX91426
1192	EPIU223217	AREA H & E	0194	24.36	2009-08-25	007242	9383732-6	EPIX91426
1193	EPIU223156	AREA H & E	0194	24.41	2009-08-25	007243	9383733-4	EPIX91429
1194	EPIU222159	AREA H & E	0194	22.58	2009-08-25	007244	9383734-2	EPIX91530
1195	EPIU222130	AREA H & E	0194	25.23	2009-08-25	007245	9383735-9	EPIX91429
1196	EPIU223199	AREA H & E	0194	26.24	2009-08-25	007246	9383736-7	EPIX91426
1197	EPIU222475	AREA H & E	0194	25.51	2009-08-25	007247	9383737-5	EPIX91429
1198	EPIU223253	AREA H & E	0194	26.51	2009-08-25	007248	9383738-3	EPIX91426
1199	EPIU222042	AREA H & E	0194	27.96	2009-08-25	007249	9383739-1	EPIX91429
1200	EPIU223274	AREA H & E	0194	25.99	2009-08-25	007250	9383740-9	EPIX91426
1201	EPIU222399	AREA H & E	0194	26.64	2009-08-25	007251	9383741-7	EPIX91429
1202	EPIU223260	AREA H & E	0194	23.94	2009-08-25	007252	9383742-5	EPIX91426
1203	EPIU222006	AREA H & E	0194	25.11	2009-08-26	007253	9383743-3	EPIX91459
1204	EPIU223134	AREA H & E	0194	25.49	2009-08-26	007254	9383744-1	EPIX91459
1205	EPIU223229	AREA H & E	0194	23.38	2009-08-26	007255	9383745-8	EPIX91412
1206	EPIU222029	AREA H & E	0194	26.75	2009-08-26	007256	9383746-6	EPIX91448
1207	EPIU222373	AREA H & E	0195	21.20	2009-08-26	007257	9383747-4	EPIX91511
1208	EPIU222218	AREA H & E	0195	23.28	2009-08-26	007258	9383748-2	EPIX91448
1209	EPIU222011	AREA H & E	0195	22.23	2009-08-26	007259	9383749-0	EPIX91530
1210	EPIU222189	AREA H & E	0195	22.23	2009-08-26	007260	9383750-8	EPIX91530
1211	EPIU222235	AREA H & E	0195	24.26	2009-08-26	007261	9383751-6	EPIX91530
1212	EPIU222486	AREA H & E	0195	22.55	2009-08-26	007262	9383752-4	EPIX91530
1213	EPIU222378	AREA H & E	0195	25.19	2009-08-26	007263	9383753-2	EPIX91531
1214	EPIU223290	AREA H & E	0195	25.30	2009-08-26	007264	9383754-0	EPIX91531
1215	EPIU223088	AREA H & E	0195	25.21	2009-08-26	007265	9383755-7	EPIX91531
1216	EPIU223293	AREA H & E	0195	26.12	2009-08-26	007266	9383756-5	EPIX91531
1217	EPIU222178	AREA H & E	0195	21.23	2009-08-26	007267	9383757-3	EPIX91429
1218	EPIU223133	AREA H & E	0195	22.89	2009-08-27	007268	9383758-1	EPIX91412
1219	EPIU222155	AREA H & E	0195	25.77	2009-08-27	007269	9383759-9	EPIX91448
1220	EPIU222459	AREA H & E	0195	24.98	2009-08-27	007270	9383760-7	EPIX91448
1221	EPIU223049	AREA H & E	0195	26.59	2009-08-27	007271	9383761-5	EPIX91448
1222	EPIU222258	AREA H & E	0195	23.29	2009-08-27	007272	9383762-3	EPIX91459
1223	EPIU222134	AREA H & E	0195	24.88	2009-08-27	007273	9383763-1	EPIX91512
1224	EPIU223232	AREA H & E	0195	25.88	2009-08-27	007274	9383764-9	EPIX91478
1225	EPIU222416	AREA H & E	0196	24.62	2009-08-27	007275	9383765-6	EPIX91448
1226	EPIU223438	AREA H & E	0196	24.36	2009-08-27	007276	9383766-4	EPIX91412
1227	EPIU223148	AREA H & E	0196	25.94	2009-08-27	007277	9383767-2	EPIX91431
1228	EPIU223453	AREA H & E	0196	25.38	2009-08-27	007278	9383768-0	EPIX91412
1229	EPIU222458	AREA H & E	0196	26.40	2009-08-27	007279	9383769-8	EPIX91431
1230	EPIU223309	AREA H & E	0196	24.56	2009-08-27	007280	9383770-6	EPIX91431
1231	EPIU223430	AREA H & E	0196	25.37	2009-08-27	007281	9383771-4	EPIX91476
1232	EPIU223167	AREA H & E	0196	24.71	2009-08-27	007282	9383772-2	EPIX91452
1233	EPIU223166	AREA H & E	0196	26.14	2009-08-27	007283	9383773-0	EPIX91452
1234	EPIU223197	AREA H & E	0196	26.50	2009-08-27	007284	9383774-8	EPIX91431
1235	EPIU222143	AREA H & E	0196	25.68	2009-08-28	007285	9383775-5	EPIX91459
1236	EPIU222106	AREA H & E	0196	26.10	2009-08-28	007286	9383776-3	EPIX91459
1237	EPIU222367	AREA H & E	0196	26.73	2009-08-28	007287	9383777-1	EPIX91412
1238	EPIU223285	AREA H & E	0196	25.33	2009-08-28	007288	9383778-9	EPIX91512

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
1239	EPIU223259	AREA H & E	0196	25.92	2009-08-28	007289	9383779-7	EPIX91512
1240	EPIU223090	AREA H & E	0196	27.07	2009-08-28	007290	9383780-5	EPIX91412
1241	EPIU223291	AREA H & E	0196	25.94	2009-08-28	007291	9383781-3	EPIX91459
1242	EPIU223137	AREA H & E	0196	27.36	2009-08-28	007292	9383782-1	EPIX91405
1243	EPIU223295	AREA H & E	0197	25.27	2009-08-31	007293	9383783-9	EPIX91478
1244	EPIU223200	AREA H & E	0197	26.61	2009-08-31	007294	9383784-7	EPIX91526
1245	EPIU222129	AREA H & E	0197	24.45	2009-08-31	007295	9383785-4	EPIX91478
1246	EPIU222330	AREA H & E	0197	25.51	2009-08-31	007296	9383786-2	EPIX91478
1247	EPIU223218	AREA H & E	0197	25.61	2009-08-31	007297	9383787-0	EPIX91538
1248	EPIU222030	AREA H & E	0197	23.82	2009-08-31	007298	9383788-8	EPIX91493
1249	EPIU223454	AREA H & E	0197	23.24	2009-08-31	007299	9383789-6	EPIX91512
1250	EPIU223122	AREA H & E	0197	26.37	2009-08-31	007300	9383790-4	EPIX91471
1251	EPIU223034	AREA H & E	0197	27.06	2009-08-31	007301	9383791-2	EPIX91471
1252	EPIU222556	AREA H & E	0197	24.33	2009-08-31	007302	9383792-0	EPIX91478
1253	EPIU223212	AREA H & E	0197	23.70	2009-08-31	007303	9383793-8	EPIX91478
1254	EPIU222389	AREA H & E	0197	24.08	2009-08-31	007304	9383794-6	EPIX91538
1255	EPIU223258	AREA H & E	0197	25.42	2009-08-31	007305	9383795-3	EPIX91493
1256	EPIU223168	AREA H & E	0197	26.16	2009-08-31	007306	9383796-1	EPIX91493
1257	EPIU222563	AREA H & E	0197	27.31	2009-08-31	007307	9383797-9	EPIX91512
1258	EPIU222014	AREA H & E	0197	25.98	2009-08-31	007308	9383798-7	EPIX91493
1259	EPIU222543	AREA H & E	0197	24.39	2009-09-01	007309	9383799-5	EPIX91405
1260	EPIU222275	AREA H & E	0197	26.30	2009-09-01	007310	9383800-1	EPIX91405
1261	EPIU223452	AREA H & E	0198	24.38	2009-09-01	007311	9383801-9	EPIX91511
1262	EPIU222326	AREA H & E	0198	25.63	2009-09-01	007312	9383802-7	EPIX91470
1263	EPIU223070	AREA H & E	0198	25.07	2009-09-01	007313	9383803-5	EPIX91470
1264	EPIU223130	AREA H & E	0198	26.92	2009-09-01	007314	9383804-3	EPIX91526
1265	EPIU223435	AREA H & E	0198	26.76	2009-09-01	007315	9383805-0	EPIX91511
1266	EPIU222063	AREA H & E	0198	24.71	2009-09-01	007316	9383806-8	EPIX91526
1267	EPIU223304	AREA H & E	0198	28.90	2009-09-01	007317	9383807-6	EPIX91511
1268	EPIU222315	AREA H & E	0198	25.13	2009-09-01	007318	9383808-4	EPIX91526
1269	EPIU222376	AREA H & E	0198	27.15	2009-09-01	007319	9383809-2	EPIX91470
1270	EPIU222370	AREA H & E	0198	24.34	2009-09-01	007320	9383810-0	EPIX91405
1271	EPIU222538	AREA H & E	0198	24.13	2009-09-01	007321	9383811-8	EPIX91526
1272	EPIU222187	AREA H & E	0198	22.64	2009-09-01	007322	9383812-6	EPIX91405
1273	EPIU222306	AREA H & E	0198	26.07	2009-09-01	007323	9383813-4	EPIX91405
1274	EPIU222577	AREA H & E	0198	27.51	2009-09-01	007324	9383814-2	EPIX91470
1275	EPIU222582	AREA H & E	0198	24.39	2009-09-02	007325	9383815-9	EPIX91526
1276	EPIU222095	AREA H & E	0198	24.07	2009-09-02	007326	9383816-7	EPIX91470
1277	EPIU223331	AREA H & E	0198	25.95	2009-09-02	007327	9383817-5	EPIX91511
1278	EPIU222260	AREA H & E	0198	26.24	2009-09-02	007328	9383818-3	EPIX91472
1279	EPIU223105	AREA H & E	0199	25.49	2009-09-02	007329	9383819-1	EPIX91511
1280	EPIU222430	AREA H & E	0199	27.31	2009-09-02	007330	9383820-9	EPIX91472
1281	EPIU222344	AREA H & E	0199	25.06	2009-09-02	007331	9383821-7	EPIX91471
1282	EPIU222049	AREA H & E	0199	24.94	2009-09-02	007332	9383822-5	EPIX91471
1283	EPIU222504	AREA H & E	0199	23.47	2009-09-02	007333	9383823-3	EPIX91471
1284	EPIU222338	AREA H & E	0199	23.12	2009-09-02	007334	9383824-1	EPIX91538
1285	EPIU223096	AREA H & E	0199	24.97	2009-09-02	007335	9383825-8	EPIX91538
1286	EPIU223340	AREA H & E	0199	24.74	2009-09-02	007336	9383826-6	EPIX91493
1287	EPIU223422	AREA H & E	0199	25.17	2009-09-02	007337	9383827-4	EPIX91538
1288	EPIU222568	AREA H & E	0199	22.30	2009-09-02	007338	9383828-2	EPIX91470
1289	EPIU222465	AREA H & E	0199	22.31	2009-09-02	007339	9383829-0	EPIX91512
1290	EPIU222343	AREA H & E	0199	22.33	2009-09-02	007340	9383830-8	EPIX91471
1291	EPIU223477	AREA H & E	0199	23.22	2009-09-02	007341	9383831-6	EPIX91493
1292	EPIU222244	AREA H & E	0199	25.00	2009-09-02	007342	9383832-4	EPIX91538
1293	EPIU222000	AREA H & E	0199	25.31	2009-09-03	007343	9383833-2	EPIX91540
1294	EPIU222529	AREA H & E	0199	23.91	2009-09-03	007344	9383834-0	EPIX91540
1295	EPIU222551	AREA H & E	0199	25.55	2009-09-03	007345	9383835-7	EPIX91498
1296	EPIU222374	AREA H & E	0199	25.66	2009-09-03	007346	9383836-5	EPIX91498
1297	EPIU222268	AREA H & E	0200	25.56	2009-09-03	007347	9383837-3	EPIX91474

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
1298	EPIU222586	AREA H & E	0200	25.76	2009-09-03	007348	9383838-1	EPIX91474
1299	EPIU222463	AREA H & E	0200	26.72	2009-09-03	007349	9383839-9	EPIX91474
1300	EPIU223175	AREA H & E	0200	24.43	2009-09-03	007350	9383840-7	EPIX91540
1301	EPIU222033	AREA H & E	0200	25.55	2009-09-03	007351	9383841-5	EPIX91474
1302	EPIU222437	AREA H & E	0200	24.60	2009-09-03	007352	9383842-3	EPIX91472
1303	EPIU222498	AREA H & E	0200	23.97	2009-09-03	007353	9383843-1	EPIX91472
1304	EPIU222337	AREA H & E	0200	25.44	2009-09-03	007354	9383844-9	EPIX91540
1305	EPIU223334	AREA H & E	0200	22.84	2009-09-03	007355	9383845-6	EPIX91472
1306	EPIU222066	AREA H & E	0200	25.54	2009-09-03	007356	9383846-4	EPIX91540
1307	EPIU223058	AREA H & E	0200	25.53	2009-09-03	007357	9383847-2	EPIX91472
1308	EPIU222532	AREA H & E	0200	26.77	2009-09-03	007358	9383848-0	EPIX91540
1309	EPIU222238	AREA H & E	0201	24.56	2009-09-08	007359	9383849-8	EPIX91498
1310	EPIU223216	AREA H & E	0201	23.72	2009-09-08	007360	9383850-6	EPIX91498
1311	EPIU223301	AREA H & E	0201	23.86	2009-09-08	007361	9383851-4	EPIX91508
1312	EPIU222052	AREA H & E	0201	23.57	2009-09-08	007362	9383852-2	EPIX91498
1313	EPIU223479	AREA H & E	0201	26.00	2009-09-08	007363	9383853-0	EPIX91498
1314	EPIU222417	AREA H & E	0201	24.50	2009-09-08	007364	9383854-8	EPIX91532
1315	EPIU223050	AREA H & E	0201	26.72	2009-09-08	007365	9383855-5	EPIX91532
1316	EPIU223067	AREA H & E	0201	25.13	2009-09-08	007366	9383856-3	EPIX91504
1317	EPIU223247	AREA H & E	0201	23.67	2009-09-08	007367	9383857-1	EPIX91508
1318	EPIU222132	AREA H & E	0201	23.83	2009-09-08	007368	9383858-9	EPIX91454
1319	EPIU222207	AREA H & E	0201	25.62	2009-09-08	007369	9383859-7	EPIX91474
1320	EPIU222280	AREA H & E	0201	23.79	2009-09-08	007370	9383860-5	EPIX91474
1321	EPIU222027	AREA H & E	0201	25.88	2009-09-09	007371	9383861-3	EPIX91517
1322	EPIU222008	AREA H & E	0201	24.68	2009-09-09	007372	9383862-1	EPIX91517
1323	EPIU223084	AREA H & E	0201	26.31	2009-09-09	007373	9383863-9	EPIX91517
1324	EPIU222160	AREA H & E	0201	26.52	2009-09-09	007374	9383864-7	EPIX91529
1325	EPIU223347	AREA H & E	0201	26.85	2009-09-09	007375	9383865-4	EPIX91529
1326	EPIU223392	AREA H & E	0202	27.55	2009-09-09	007376	9383866-2	EPIX91454
1327	EPIU222023	AREA H & E	0202	26.55	2009-09-09	007377	9383867-0	EPIX91454
1328	EPIU223139	AREA H & E	0202	24.76	2009-09-09	007378	9383868-8	EPIX91532
1329	EPIU223457	AREA H & E	0202	24.06	2009-09-09	007379	9383869-6	EPIX91504
1330	EPIU222064	AREA H & E	0202	24.16	2009-09-09	007380	9383870-4	EPIX91508
1331	EPIU222466	AREA H & E	0202	22.19	2009-09-09	007381	9383871-2	EPIX91504
1332	EPIU223299	AREA H & E	0202	23.94	2009-09-09	007382	9383872-0	EPIX91504
1333	EPIU222524	AREA H & E	0202	23.13	2009-09-09	007383	9383873-8	EPIX91508
1334	EPIU222144	AREA H & E	0202	24.54	2009-09-09	007384	9383874-6	EPIX91532
1335	EPIU222206	AREA H & E	0202	24.34	2009-09-09	007385	9383875-3	EPIX91504
1336	EPIU223488	AREA H & E	0202	23.82	2009-09-09	007386	9383876-1	EPIX91508
1337	EPIU222009	AREA H & E	0202	24.27	2009-09-09	007387	9383877-9	EPIX91532
1338	EPIU223356	AREA H & E	0202	23.84	2009-09-09	007388	9383878-7	EPIX91508
1339	EPIU223489	AREA H & E	0202	23.70	2009-09-09	007389	9383879-5	EPIX91532
1340	EPIU222151	AREA H & E	0202	25.04	2009-09-09	007390	9383880-3	EPIX91504
1341	EPIU222119	AREA H & E	0203	22.46	2009-09-10	007391	9383881-1	EPIX91523
1342	EPIU222169	AREA H & E	0203	25.63	2009-09-10	007392	9383882-9	EPIX91454
1343	EPIU222313	AREA H & E	0203	22.11	2009-09-10	007393	9383883-7	EPIX91517
1344	EPIU223085	AREA H & E	0203	25.06	2009-09-10	007394	9383884-5	EPIX91456
1345	EPIU222350	AREA H & E	0203	26.80	2009-09-10	007395	9383885-2	EPIX91529
1346	EPIU222150	AREA H & E	0203	21.17	2009-09-10	007396	9383886-0	EPIX91456
1347	EPIU222208	AREA H & E	0203	20.75	2009-09-10	007397	9383887-8	EPIX91480
1348	EPIU222112	AREA H & E	0203	23.20	2009-09-10	007398	9383888-6	EPIX91480
1349	EPIU222044	AREA H & E	0203	25.47	2009-09-10	007399	9383889-4	EPIX91529
1350	EPIU222091	AREA H & E	0203	24.52	2009-09-10	007400	9383890-2	EPIX91454
1351	EPIU222406	AREA H & E	0203	25.34	2009-09-10	007401	9383891-0	EPIX91454
1352	EPIU223046	AREA H & E	0203	26.36	2009-09-10	007402	9383892-8	EPIX91456
1353	EPIU222098	AREA H & E	0203	26.79	2009-09-10	007403	9383893-6	EPIX91523
1354	EPIU222585	AREA H & E	0203	26.55	2009-09-10	007404	9383894-4	EPIX91523
1355	EPIU223135	AREA H & E	0203	27.88	2009-09-10	007405	9383895-1	EPIX91480
1356	EPIU223025	AREA H & E	0203	26.21	2009-09-10	007406	9383896-9	EPIX91517

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
1357	EPIU223021	AREA H & E	0203	23.21	2009-09-10	007407	9383897-7	EPIX91523
1358	EPIU223029	AREA H & E	0203	25.80	2009-09-10	007408	9383898-5	EPIX91529
1359	EPIU222274	AREA H & E	0203	26.67	2009-09-10	007409	9383899-3	EPIX91523
1360	EPIU222349	AREA H & E	0203	26.41	2009-09-10	007410	9383900-9	EPIX91529
1361	EPIU222025	AREA H & E	0204	24.92	2009-09-11	007411	9383901-7	EPIX91528
1362	EPIU223110	AREA H & E	0204	26.61	2009-09-11	007412	9383902-5	EPIX91463
1363	EPIU222487	AREA H & E	0204	25.96	2009-09-11	007413	9383903-3	EPIX91528
1364	EPIU223069	AREA H & E	0204	26.21	2009-09-11	007414	9383904-1	EPIX91528
1365	EPIU223109	AREA H & E	0204	28.41	2009-09-11	007415	9383905-8	EPIX91444
1366	EPIU222413	AREA H & E	0204	26.88	2009-09-11	007416	9383906-6	EPIX91463
1367	EPIU222515	AREA H & E	0204	26.94	2009-09-11	007417	9383907-4	EPIX91456
1368	EPIU223196	AREA H & E	0204	23.52	2009-09-11	007418	9383908-2	EPIX91456
1369	EPIU222392	AREA H & E	0204	28.51	2009-09-11	007419	9383909-0	EPIX91456
1370	EPIU223052	AREA H & E	0204	26.03	2009-09-11	007420	9383910-8	EPIX91480
1371	EPIU223390	AREA H & E	0204	24.35	2009-09-11	007421	9383911-6	EPIX91480
1372	EPIU223045	AREA H & E	0204	27.73	2009-09-11	007422	9383912-4	EPIX91480
1373	EPIU222084	AREA H & E	0204	22.79	2009-09-11	007423	9383913-2	EPIX91523
1374	EPIU222118	AREA H & E	0204	25.21	2009-09-11	007424	9383914-0	EPIX91517
1375	EPIU223246	AREA H & E	0205	26.27	2009-09-14	007425	9383915-7	EPIX91461
1376	EPIU222564	AREA H & E	0205	21.28	2009-09-14	007426	9383916-5	EPIX91528
1377	EPIU222214	AREA H & E	0205	22.24	2009-09-14	007427	9383917-3	EPIX91461
1378	EPIU223208	AREA H & E	0205	21.97	2009-09-14	007428	9383918-1	EPIX91444
1379	EPIU222116	AREA H & E	0205	24.37	2009-09-14	007429	9383919-9	EPIX91461
1380	EPIU222291	AREA H & E	0205	22.19	2009-09-14	007430	9383920-7	EPIX91461
1381	EPIU223341	AREA H & E	0205	23.11	2009-09-14	007431	9383921-5	EPIX91444
1382	EPIU222059	AREA H & E	0205	23.98	2009-09-14	007432	9383922-3	EPIX91491
1383	EPIU222358	AREA H & E	0205	25.73	2009-09-14	007433	9383923-1	EPIX91528
1384	EPIU223170	AREA H & E	0205	25.25	2009-09-14	007434	9383924-9	EPIX91463
1385	EPIU222517	AREA H & E	0205	22.19	2009-09-14	007435	9383925-6	EPIX91444
1386	EPIU222210	AREA H & E	0205	24.62	2009-09-14	007436	9383926-4	EPIX91463
1387	EPIU222127	AREA H & E	0205	25.55	2009-09-14	007437	9383927-2	EPIX91461
1388	EPIU222007	AREA H & E	0205	25.64	2009-09-14	007438	9383928-0	EPIX91461
1389	EPIU223333	AREA H & E	0205	26.35	2009-09-14	007439	9383929-8	EPIX91491
1390	EPIU222366	AREA H & E	0205	26.82	2009-09-14	007440	9383930-6	EPIX91463
1391	EPIU222320	AREA H & E	0206	25.59	2009-09-14	007441	9383931-4	EPIX91463
1392	EPIU222484	AREA H & E	0206	29.80	2009-09-14	007442	9383932-2	EPIX91444
1393	EPIU222230	AREA H & E	0206	27.37	2009-09-14	007443	9383933-0	EPIX91528
1394	EPIU222104	AREA H & E	0206	29.40	2009-09-14	007444	9383934-8	EPIX91491
1395	EPIU222520	AREA H & E	0206	25.51	2009-09-15	007445	9383935-5	EPIX91410
1396	EPIU222360	AREA H & E	0206	25.21	2009-09-15	007446	9383936-3	EPIX91410
1397	EPIU222001	AREA H & E	0206	22.42	2009-09-15	007447	9383937-1	EPIX91521
1398	EPIU222283	AREA H & E	0206	25.08	2009-09-15	007448	9383938-9	EPIX91521
1399	EPIU222032	AREA H & E	0206	24.65	2009-09-15	007449	9383939-7	EPIX91507
1400	EPIU223339	AREA H & E	0206	22.15	2009-09-15	007450	9383940-5	EPIX91507
1401	EPIU223086	AREA H & E	0206	21.44	2009-09-15	007451	9383941-3	EPIX91507
1402	EPIU223281	AREA H & E	0206	24.77	2009-09-15	007452	9383942-1	EPIX91527
1403	EPIU222368	AREA H & E	0206	24.20	2009-09-15	007453	9383943-9	EPIX91527
1404	EPIU223396	AREA H & E	0206	22.13	2009-09-15	007454	9383944-7	EPIX91527
1405	EPIU222575	AREA H & E	0206	23.78	2009-09-15	007455	9383945-4	EPIX91507
1406	EPIU222482	AREA H & E	0206	27.65	2009-09-15	007456	9383946-2	EPIX91527
1407	EPIU223190	AREA H & E	0207	26.77	2009-09-15	007457	9383947-0	EPIX91527
1408	EPIU223421	AREA H & E	0207	24.83	2009-09-15	007458	9383948-9	EPIX91507
1409	EPIU223350	AREA H & E	0207	21.64	2009-09-15	007459	9383949-6	EPIX91527
1410	EPIU223371	AREA H & E	0207	25.33	2009-09-15	007460	9383950-4	EPIX91507
1411	EPIU223429	AREA H & E	0207	24.38	2009-09-15	007461	9383951-2	EPIX91491
1412	EPIU222328	AREA H & E	0207	26.56	2009-09-15	007462	9383952-0	EPIX91491
1413	EPIU222056	AREA H & E	0207	24.63	2009-09-15	007463	9383953-8	EPIX91444
1414	EPIU223023	AREA H & E	0207	23.63	2009-09-15	007464	9383954-6	EPIX91491
1415	EPIU222179	AREA H & E	0207	26.68	2009-09-16	007465	9383955-3	EPIX91410

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
1416	EPIU223239	AREA H & E	0207	24.23	2009-09-16	007466	9383956-1	EPIX91537
1417	EPIU222523	AREA H & E	0207	25.73	2009-09-16	007467	9383957-9	EPIX91521
1418	EPIU223157	AREA H & E	0207	25.99	2009-09-16	007468	9383958-7	EPIX91521
1419	EPIU222103	AREA H & E	0207	25.49	2009-09-16	007469	9383959-5	EPIX91468
1420	EPIU222495	AREA H & E	0208	25.13	2009-09-16	002438100JJK	9382285-6	EPIX91490
1421	EPIU222216	AREA H & E	0208	23.14	2009-09-16	002438101JJK	9382286-4	EPIX91490
1422	EPIU222467	AREA H & E	0208	25.13	2009-09-16	002438102JJK	9382287-2	EPIX91490
1423	EPIU223153	AREA H & E	0208	24.04	2009-09-16	002438103JJK	9382288-0	EPIX91402
1424	EPIU222574	AREA H & E	0208	23.84	2009-09-16	002438104JJK	9382289-8	EPIX91490
1425	EPIU222221	AREA H & E	0208	23.80	2009-09-16	002438105JJK	9382290-6	EPIX91402
1426	EPIU222353	AREA H & E	0208	25.90	2009-09-16	002438106JJK	9382291-4	EPIX91490
1427	EPIU222107	AREA H & E	0208	27.09	2009-09-16	006049096JJK	9381113-1	EPIX91490
1428	EPIU222241	AREA H & E	0208	24.67	2009-09-16	006049097JJK	9381114-9	EPIX91402
1429	EPIU222526	AREA H & E	0208	23.89	2009-09-16	006049098JJK	9381085-1	EPIX91402
1430	EPIU222147	AREA H & E	0208	28.01	2009-09-16	006049099JJK	9381086-9	EPIX91402
1431	EPIU222597	AREA H & E	0208	24.32	2009-09-16	006049100JJK	9381087-7	EPIX91402
1432	EPIU222305	AREA H & E	0207	23.14	2009-09-16	007470	9383961-1	EPIX91537
1433	EPIU223319	AREA H & E	0207	24.32	2009-09-16	007471	9383962-9	EPIX91468
1434	EPIU222356	AREA H & E	0208	25.13	2009-09-17	006049101JJK	9381088-5	EPIX91479
1435	EPIU222174	AREA H & E	0208	28.24	2009-09-17	006049102JJK	9381089-3	EPIX91479
1436	EPIU222193	AREA H & E	0208	25.39	2009-09-17	006049103JJK	9381090-1	EPIX91495
1437	EPIU222570	AREA H & E	0208	26.45	2009-09-17	006049104JJK	9381091-9	EPIX91495
1438	EPIU222205	AREA H & E	0208	26.80	2009-09-17	006049105JJK	9381092-7	EPIX91479
1439	EPIU222041	AREA H & E	0208	23.81	2009-09-17	006049106JJK	9381093-5	EPIX91479
1440	EPIU223409	AREA H & E	0207	26.37	2009-09-17	007472	9383960-3	EPIX91537
1441	EPIU223408	AREA H & E	0209	25.41	2009-09-21	006049107JJK	9381098-4	EPIX91502
1442	EPIU222231	AREA H & E	0209	24.39	2009-09-21	006049108JJK	9381095-0	EPIX91502
1443	EPIU223256	AREA H & E	0209	23.28	2009-09-21	006049109JJK	9381096-8	EPIX91502
1444	EPIU223265	AREA H & E	0209	23.62	2009-09-21	006049110JJK	9381097-6	EPIX91502
1445	EPIU222097	AREA H & E	0209	24.51	2009-09-21	006049111JJK	9381094-3	EPIX91502
1446	EPIU222424	AREA H & E	0209	25.23	2009-09-21	006049112JJK	9381099-2	EPIX91495
1447	EPIU222587	AREA H & E	0209	25.45	2009-09-21	006049113JJK	9381100-8	EPIX91495
1448	EPIU222020	AREA H & E	0209	26.64	2009-09-21	006049114JJK	9381101-6	EPIX91479
1449	EPIU222412	AREA H & E	0209	23.55	2009-09-21	006049115JJK	9381102-4	EPIX91479
1450	EPIU222256	AREA H & E	0209	26.88	2009-09-21	006049116JJK	9381103-2	EPIX91495
1451	EPIU222286	AREA H & E	0209	27.16	2009-09-21	006049117JJK	9381104-0	EPIX91495
1452	EPIU222270	AREA H & E	0209	26.61	2009-09-21	006049118JJK	9381105-7	EPIX91502
1453	EPIU222265	AREA H & E	0210	25.83	2009-09-21	007473	9383963-7	EPIX91410
1454	EPIU223262	AREA H & E	0210	25.62	2009-09-21	007474	9383964-5	EPIX91453
1455	EPIU222223	AREA H & E	0210	24.31	2009-09-21	007475	9383965-2	EPIX91468
1456	EPIU222248	AREA H & E	0210	25.66	2009-09-21	007476	9383966-0	EPIX91468
1457	EPIU222341	AREA H & E	0210	23.51	2009-09-21	007477	9383967-8	EPIX91537
1458	EPIU222145	AREA H & E	0210	26.70	2009-09-21	007478	9383968-6	EPIX91537
1459	EPIU223378	AREA H & E	0210	24.40	2009-09-21	007479	9383969-4	EPIX91525
1460	EPIU222319	AREA H & E	0210	22.01	2009-09-21	007480	9383970-2	EPIX91537
1461	EPIU222297	AREA H & E	0210	27.23	2009-09-22	007481	9383972-8	EPIX91745
1462	EPIU223164	AREA H & E	0210	26.88	2009-09-22	007482	9383971-0	EPIX91486
1463	EPIU222271	AREA H & E	0210	26.56	2009-09-22	007483	9383973-6	EPIX91453
1464	EPIU223103	AREA H & E	0210	28.09	2009-09-22	007484	9383974-4	EPIX91520
1465	EPIU222550	AREA H & E	0210	25.40	2009-09-22	007485	9383975-1	EPIX91453
1466	EPIU223238	AREA H & E	0210	26.54	2009-09-22	007486	9383976-9	EPIX91486
1467	EPIU222290	AREA H & E	0210	26.75	2009-09-22	007487	9383977-7	EPIX91401
1468	EPIU222591	AREA H & E	0210	23.68	2009-09-22	007488	9383978-5	EPIX91525
1469	EPIU222435	AREA H & E	0211	25.36	2009-09-22	007489	9383979-3	EPIX91525
1470	EPIU222533	AREA H & E	0211	25.20	2009-09-22	007490	9383980-1	EPIX91410
1471	EPIU222156	AREA H & E	0211	26.70	2009-09-22	007491	9383981-9	EPIX91453
1472	EPIU222432	AREA H & E	0211	24.70	2009-09-22	007492	9383982-7	EPIX91410
1473	EPIU223194	AREA H & E	0211	26.43	2009-09-22	007493	9383983-5	EPIX91468
1474	EPIU222005	AREA H & E	0211	26.68	2009-09-22	007494	9383984-3	EPIX91525

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
1475	EPIU223215	AREA H & E	0211	25.79	2009-09-22	007495	9383985-0	EPIX91525
1476	EPIU223375	AREA H & E	0211	26.09	2009-09-22	007496	9383986-8	EPIX91521
1477	EPIU222121	AREA H & E	0211	25.95	2009-09-22	007497	9383987-6	EPIX91521
1478	EPIU222352	AREA H & E	0211	24.39	2009-09-22	007498	9383988-4	EPIX91453
1479	EPIU222357	AREA H & E	0211	25.85	2009-09-22	007499	9383989-2	EPIX91525
1480	EPIU223269	AREA H & E	0211	24.25	2009-09-22	007500	9383990-0	EPIX91468
1481	EPIU223076	AREA H & E	0211	22.74	2009-09-23	005001	9383991-8	EPIX91401
1482	EPIU223149	AREA H & E	0211	25.34	2009-09-23	005002	9383992-6	EPIX91520
1483	EPIU223338	AREA H & E	0211	24.08	2009-09-23	005003	9383993-4	EPIX91401
1484	EPIU223089	AREA H & E	0211	25.68	2009-09-23	005004	9383994-2	EPIX91439
1485	EPIU222566	AREA H & E	0212	23.66	2009-09-23	005005	9383995-9	EPIX91439
1486	EPIU222310	AREA H & E	0212	24.70	2009-09-23	005006	9383996-7	EPIX91520
1487	EPIU222236	AREA H & E	0212	23.07	2009-09-23	005007	9383997-5	EPIX91520
1488	EPIU223345	AREA H & E	0212	28.16	2009-09-23	005008	9383998-3	EPIX91401
1489	EPIU222569	AREA H & E	0212	27.58	2009-09-23	005009	9383999-1	EPIX91439
1490	EPIU222299	AREA H & E	0212	26.83	2009-09-23	005010	9383000-8	EPIX91439
1491	EPIU223268	AREA H & E	0212	26.65	2009-09-23	005011	9383001-6	EPIX91486
1492	EPIU223231	AREA H & E	0212	25.75	2009-09-23	005012	9383002-4	EPIX91486
1493	EPIU222332	AREA H & E	0212	22.24	2009-09-23	005013	9383003-2	EPIX91486
1494	EPIU223495	AREA H & E	0212	23.67	2009-09-23	005014	9383004-0	EPIX91439
1495	EPIU223431	AREA H & E	0212	23.18	2009-09-23	005015	9383005-7	EPIX91439
1496	EPIU223316	AREA H & E	0212	22.38	2009-09-23	005016	9383006-5	EPIX91401
1497	EPIU223242	AREA H & E	0212	23.34	2009-09-23	005017	9383008-1	EPIX91520
1498	EPIU222455	AREA H & E	0212	24.11	2009-09-23	005018	9383007-3	EPIX91401
1499	EPIU223399	AREA H & E	0212	24.98	2009-09-23	005019	9383009-9	EPIX91486
1500	EPIU222295	AREA H & E	0212	23.48	2009-09-23	005020	9383010-7	EPIX91453
1501	EPIU222552	AREA H & E	0209	20.05	2009-09-24	006049119JJK	9381106-5	EPIX91492
1502	EPIU223112	AREA H & E	0209	20.18	2009-09-24	006049120JJK	9381107-3	EPIX91492
1503	EPIU222010	AREA H & E	0209	17.77	2009-09-24	006049121JJK	9381108-1	EPIX91492
1504	EPIU223245	AREA H & E	0209	15.23	2009-09-24	006049122JJK	9381109-9	EPIX91492
1505	EPIU222086	AREA H & E	0209	18.22	2009-09-24	006049123JJK	9381110-7	EPIX91492
1506	EPIU222462	AREA H & E	0209	21.54	2009-09-24	006049124JJK	9381111-5	EPIX91492
1507	EPIU222067	AREA H & E	0213	22.02	2009-09-28	005021	9383011-5	EPIX91484
1508	EPIU222546	AREA H & E	0213	23.64	2009-09-28	005022	9383012-3	EPIX91483
1509	EPIU222133	AREA H & E	0213	23.11	2009-09-28	005023	9383013-1	EPIX91483
1510	EPIU222394	AREA H & E	0213	22.98	2009-09-28	005024	9383014-9	EPIX91484
1511	EPIU222185	AREA H & E	0213	23.17	2009-09-28	005025	9383015-6	EPIX91483
1512	EPIU223124	AREA H & E	0213	26.11	2009-09-28	005026	9383016-4	EPIX91484
1513	EPIU223146	AREA H & E	0213	25.37	2009-09-28	005027	9383017-2	EPIX91484
1514	EPIU222408	AREA H & E	0213	25.93	2009-09-28	005028	9383018-0	EPIX91483
1515	EPIU222003	AREA H & E	0213	24.98	2009-09-28	005029	9383019-8	EPIX91483
1516	EPIU223053	AREA H & E	0213	26.14	2009-09-28	005030	9383020-6	EPIX91481
1517	EPIU222447	AREA H & E	0213	26.28	2009-09-28	005031	9383021-4	EPIX91484
1518	EPIU222348	AREA H & E	0213	24.91	2009-09-28	005032	9383022-2	EPIX91484
1519	EPIU222371	AREA H & E	0213	26.09	2009-09-28	005033	9383023-0	EPIX91481
1520	EPIU223364	AREA H & E	0213	26.23	2009-09-28	005034	9383024-8	EPIX91489
1521	EPIU222182	AREA H & E	0213	26.00	2009-09-28	005035	9383025-5	EPIX91489
1522	EPIU222162	AREA H & E	0213	27.57	2009-09-28	005036	9383026-3	EPIX91433
1523	EPIU222220	AREA H & E	0214	24.92	2009-09-28	005037	9383027-1	EPIX91489
1524	EPIU222572	AREA H & E	0214	25.05	2009-09-28	005038	9383028-9	EPIX91489
1525	EPIU222050	AREA H & E	0214	26.49	2009-09-28	005039	9383029-7	EPIX91433
1526	EPIU222340	AREA H & E	0214	24.52	2009-09-28	005040	9383030-5	EPIX91433
1527	EPIU223095	AREA H & E	0214	26.41	2009-09-29	005041	9383031-3	EPIX91433
1528	EPIU222325	AREA H & E	0214	27.05	2009-09-29	005042	9383032-1	EPIX91433
1529	EPIU222522	AREA H & E	0214	25.98	2009-09-29	005043	9383033-9	EPIX91433
1530	EPIU222255	AREA H & E	0214	23.81	2009-09-29	005044	9383034-7	EPIX91489
1531	EPIU222164	AREA H & E	0214	25.56	2009-09-29	005045	9383035-4	EPIX91489
1532	EPIU222334	AREA H & E	0214	23.23	2009-09-29	005046	9383036-2	EPIX91481
1533	EPIU222200	AREA H & E	0214	23.63	2009-09-29	005047	9383037-0	EPIX91481

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
1534	EPIU223282	AREA H & E	0214	21.91	2009-09-29	005048	9383038-8	EPIX91483
1535	EPIU222407	AREA H & E	0214	23.22	2009-09-29	005049	9383039-6	EPIX91481
1536	EPIU222170	AREA H & E	0214	24.71	2009-09-29	005050	9383040-4	EPIX91481
1537	EPIU222176	AREA H & E	0214	24.43	2009-09-29	005051	9383041-2	EPIX91539
1538	EPIU223075	AREA H & E	0214	28.06	2009-09-29	005052	9383042-0	EPIX91539
1539	EPIU222429	AREA H & E	0215	21.73	2009-09-29	005053	9383043-8	EPIX91539
1540	EPIU223360	AREA H & E	0215	22.31	2009-09-29	005054	9383044-6	EPIX91539
1541	EPIU222436	AREA H & E	0215	24.33	2009-09-29	005055	9383045-3	EPIX91539
1542	EPIU223104	AREA H & E	0215	27.05	2009-09-29	005056	9383046-1	EPIX91539
1543	EPIU223221	AREA H & E	0215	24.64	2009-09-29	005057	9383047-9	EPIX91430
1544	EPIU222511	AREA H & E	0215	25.00	2009-09-29	005058	9383048-7	EPIX91430
1545	EPIU222058	AREA H & E	0215	22.97	2009-09-29	005059	9383049-5	EPIX91430
1546	EPIU223445	AREA H & E	0215	21.55	2009-09-29	005060	9383050-3	EPIX91430
1547	EPIU222571	AREA H & E	0215	22.61	2009-09-30	005061	9383051-1	EPIX91411
1548	EPIU223311	AREA H & E	0215	24.19	2009-09-30	005062	9383052-9	EPIX91411
1549	EPIU222507	AREA H & E	0215	24.84	2009-09-30	005063	9383053-7	EPIX91411
1550	EPIU223487	AREA H & E	0215	24.70	2009-09-30	005064	9383054-5	EPIX91411
1551	EPIU222196	AREA H & E	0215	24.07	2009-09-30	005065	9383055-2	EPIX91411
1552	EPIU222269	AREA H & E	0215	24.17	2009-09-30	005066	9383056-0	EPIX91411
1553	EPIU223143	AREA H & E	0215	24.43	2009-09-30	005067	9383057-8	EPIX91430
1554	EPIU222456	AREA H & E	0215	25.41	2009-09-30	005068	9383058-6	EPIX91430
1555	EPIU223385	AREA H & E	0216	24.76	2009-09-30	005069	9383059-4	EPIX91419
1556	EPIU223030	AREA H & E	0216	22.64	2009-09-30	005070	9383060-2	EPIX91419
1557	EPIU222171	AREA H & E	0216	25.44	2009-09-30	005071	9383061-0	EPIX91442
1558	EPIU222576	AREA H & E	0216	28.02	2009-09-30	005072	9383062-8	EPIX91442
1559	EPIU222542	AREA H & E	0216	25.37	2009-09-30	005073	9383063-6	EPIX91419
1560	EPIU222257	AREA H & E	0216	21.82	2009-09-30	005074	9383064-4	EPIX91419
1561	EPIU222264	AREA H & E	0216	23.12	2009-09-30	005075	9383065-1	EPIX91435
1562	EPIU222391	AREA H & E	0216	24.96	2009-09-30	005076	9383066-9	EPIX91435
1563	EPIU223172	AREA H & E	0216	22.70	2009-09-30	005077	9383067-7	EPIX91442
1564	EPIU222081	AREA H & E	0216	24.22	2009-09-30	005078	9383068-5	EPIX91419
1565	EPIU223113	AREA H & E	0216	25.71	2009-09-30	005079	9383069-3	EPIX91419
1566	EPIU222442	AREA H & E	0216	24.07	2009-09-30	005080	9383070-1	EPIX91442
1567	EPIU222579	AREA H & E	0216	25.10	2009-10-01	005081	9383071-9	EPIX91442
1568	EPIU222540	AREA H & E	0216	24.04	2009-10-01	005082	9383072-7	EPIX91442
1569	EPIU222100	AREA H & E	0216	23.41	2009-10-01	005083	9383073-5	EPIX91435
1570	EPIU222562	AREA H & E	0216	23.06	2009-10-01	005084	9383074-3	EPIX91435
1571	EPIU223270	AREA H & E	0216	24.81	2009-10-01	005085	9383075-0	EPIX91435
1572	EPIU223314	AREA H & E	0216	23.85	2009-10-01	005086	9383076-8	EPIX91435
1573	EPIU222142	AREA H & E	0217	23.41	2009-10-05	005087	9383077-6	EPIX91476
1574	EPIU223081	AREA H & E	0217	22.18	2009-10-05	005088	9383078-4	EPIX91476
1575	EPIU222108	AREA H & E	0217	25.04	2009-10-05	005089	9383079-2	EPIX91452
1576	EPIU222157	AREA H & E	0217	25.67	2009-10-05	005090	9383080-0	EPIX91459
1577	EPIU223416	AREA H & E	0217	26.72	2009-10-05	005091	9383081-8	EPIX91452
1578	EPIU223048	AREA H & E	0217	25.75	2009-10-05	005092	9383082-6	EPIX91459
1579	EPIU222123	AREA H & E	0217	26.83	2009-10-05	005093	9383083-4	EPIX91459
1580	EPIU222180	AREA H & E	0217	24.79	2009-10-05	005094	9383084-2	EPIX91476
1581	EPIU222488	AREA H & E	0217	26.35	2009-10-05	005095	9383085-9	EPIX91448
1582	EPIU222195	AREA H & E	0217	24.30	2009-10-05	005096	9383086-7	EPIX91440
1583	EPIU222102	AREA H & E	0217	24.48	2009-10-05	005097	9383087-5	EPIX91432
1584	EPIU222395	AREA H & E	0217	24.36	2009-10-05	005098	9383088-3	EPIX91440
1585	EPIU223428	AREA H & E	0217	26.03	2009-10-05	005099	9383089-1	EPIX91432
1586	EPIU222422	AREA H & E	0217	25.95	2009-10-05	005100	9383090-9	EPIX91432
1587	EPIU223467	AREA H & E	0217	24.58	2009-10-05	005101	9383091-7	EPIX91432
1588	EPIU223352	AREA H & E	0217	26.10	2009-10-05	005102	9383092-5	EPIX91440
1589	EPIU223257	AREA H & E	0217	26.58	2009-10-05	005103	9383093-3	EPIX91440
1590	EPIU222289	AREA H & E	0217	24.55	2009-10-05	005104	9383094-1	EPIX91432
1591	EPIU222135	AREA H & E	0218	25.65	2009-10-05	005105	9383095-8	EPIX91432
1592	EPIU222217	AREA H & E	0218	24.77	2009-10-05	005106	9383096-6	EPIX91440

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
1593	EPIU222573	AREA H & E	0218	22.85	2009-10-05	005107	9383097-4	EPIX91440
1594	EPIU222411	AREA H & E	0218	22.49	2009-10-06	005108	9383098-2	EPIX91530
1595	EPIU222136	AREA H & E	0218	25.70	2009-10-06	005109	9383099-0	EPIX91458
1596	EPIU222491	AREA H & E	0218	26.32	2009-10-06	005110	9383100-6	EPIX91458
1597	EPIU223306	AREA H & E	0218	25.62	2009-10-06	005111	9383101-4	EPIX91452
1598	EPIU222333	AREA H & E	0218	26.36	2009-10-06	005112	9383102-2	EPIX91452
1599	EPIU222516	AREA H & E	0218	24.70	2009-10-06	005113	9383103-0	EPIX91459
1600	EPIU223472	AREA H & E	0218	28.27	2009-10-06	005114	9383104-8	EPIX91458
1601	EPIU222308	AREA H & E	0218	24.45	2009-10-06	005115	9383105-5	EPIX91459
1602	EPIU222485	AREA H & E	0218	25.42	2009-10-06	005116	9383106-3	EPIX91448
1603	EPIU222451	AREA H & E	0218	26.46	2009-10-06	005117	9383107-1	EPIX91531
1604	EPIU223475	AREA H & E	0218	26.78	2009-10-06	005118	9383108-9	EPIX91476
1605	EPIU222548	AREA H & E	0218	26.97	2009-10-06	005119	9383109-7	EPIX91459
1606	EPIU222365	AREA H & E	0218	28.25	2009-10-06	005120	9383110-5	EPIX91476
1607	EPIU222154	AREA H & E	0218	25.79	2009-10-06	005121	9383111-3	EPIX91476
1608	EPIU222537	AREA H & E	0218	27.20	2009-10-06	005122	9383112-1	EPIX91452
1609	EPIU222201	AREA H & E	0219	23.23	2009-10-06	005123	9383113-9	EPIX91448
1610	EPIU223066	AREA H & E	0219	25.21	2009-10-06	005124	9383114-7	EPIX91452
1611	EPIU223082	AREA H & E	0219	25.25	2009-10-06	005125	9383115-4	EPIX91448
1612	EPIU223446	AREA H & E	0219	23.88	2009-10-06	005126	9383116-2	EPIX91448
1613	EPIU222141	AREA H & E	0219	21.98	2009-10-06	005127	9383117-0	EPIX91448
1614	EPIU222347	AREA H & E	0219	26.36	2009-10-07	005128	9383118-8	EPIX91509
1615	EPIU222594	AREA H & E	0219	26.76	2009-10-07	005129	9383119-6	EPIX91509
1616	EPIU222390	AREA H & E	0219	25.74	2009-10-07	005130	9383120-4	EPIX91509
1617	EPIU222190	AREA H & E	0219	24.65	2009-10-07	005131	9383121-2	EPIX91509
1618	EPIU222077	AREA H & E	0219	23.62	2009-10-07	005132	9383122-0	EPIX91458
1619	EPIU223250	AREA H & E	0219	24.19	2009-10-07	005133	9383123-8	EPIX91458
1620	EPIU222039	AREA H & E	0219	22.88	2009-10-07	005134	9383124-6	EPIX91458
1621	EPIU223359	AREA H & E	0219	24.92	2009-10-07	005135	9383125-3	EPIX91509
1622	EPIU223297	AREA H & E	0219	25.57	2009-10-07	005136	9383126-1	EPIX91509
1623	EPIU222177	AREA H & E	0219	23.30	2009-10-07	005137	9383127-9	EPIX91530
1624	EPIU222126	AREA H & E	0219	24.85	2009-10-07	005138	9383128-7	EPIX91530
1625	EPIU222322	AREA H & E	0219	23.92	2009-10-07	005139	9383129-5	EPIX91530
1626	EPIU222580	AREA H & E	0219	24.56	2009-10-07	005140	9383130-3	EPIX91530
1627	EPIU222393	AREA H & E	0220	23.59	2009-10-07	005141	9383131-1	EPIX91531
1628	EPIU222197	AREA H & E	0220	22.73	2009-10-07	005142	9383132-9	EPIX91531
1629	EPIU222324	AREA H & E	0220	21.83	2009-10-07	005143	9383133-7	EPIX91531
1630	EPIU222303	AREA H & E	0220	22.19	2009-10-07	005144	9383134-5	EPIX91531
1631	EPIU222454	AREA H & E	0220	22.84	2009-10-07	005145	9383135-2	EPIX91531
1632	EPIU222345	AREA H & E	0220	22.94	2009-10-07	005146	9383136-0	EPIX91530
1633	EPIU223197	AREA H & E	0220	23.94	2009-10-08	005147	9383137-8	EPIX91478
1634	EPIU222431	AREA H & E	0220	26.07	2009-10-08	005148	9383138-6	EPIX91405
1635	EPIU223088	AREA H & E	0220	24.33	2009-10-08	005149	9383139-4	EPIX91478
1636	EPIU222240	AREA H & E	0220	23.00	2009-10-08	005150	9383140-2	EPIX91471
1637	EPIU222202	AREA H & E	0220	27.07	2009-10-08	005151	9383141-0	EPIX91405
1638	EPIU222433	AREA H & E	0220	24.36	2009-10-08	005152	9383142-8	EPIX91470
1639	EPIU222415	AREA H & E	0220	24.09	2009-10-08	005153	9383143-6	EPIX91526
1640	EPIU222184	AREA H & E	0220	22.87	2009-10-08	005154	9383144-4	EPIX91526
1641	EPIU222012	AREA H & E	0220	25.83	2009-10-08	005155	9383145-1	EPIX91405
1642	EPIU222131	AREA H & E	0220	24.06	2009-10-08	005156	9383146-9	EPIX91478
1643	EPIU222561	AREA H & E	0220	23.30	2009-10-08	005157	9383147-7	EPIX91471
1644	EPIU222021	AREA H & E	0220	23.66	2009-10-08	005158	9383148-5	EPIX91405
1645	EPIU222589	AREA H & E	0221	22.37	2009-10-08	005159	9383149-3	EPIX91471
1646	EPIU223280	AREA H & E	0221	23.07	2009-10-08	005160	9383150-1	EPIX91526
1647	EPIU222167	AREA H & E	0221	23.76	2009-10-08	005161	9383151-9	EPIX91478
1648	EPIU222445	AREA H & E	0221	24.18	2009-10-08	005162	9383152-7	EPIX91431
1649	EPIU222386	AREA H & E	0221	22.97	2009-10-08	005163	9383153-5	EPIX91526
1650	EPIU223290	AREA H & E	0221	23.71	2009-10-08	005164	9383154-3	EPIX91431
1651	EPIU222113	AREA H & E	0221	22.18	2009-10-08	005165	9383155-0	EPIX91431

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
1652	EPIU222409	AREA H & E	0221	25.71	2009-10-08	005166	9383156-8	EPIX91431
1653	EPIU223249	AREA H & E	0221	28.97	2009-10-09	005167	9383157-6	EPIX91470
1654	EPIU222361	AREA H & E	0221	26.50	2009-10-09	005168	9383158-4	EPIX91471
1655	EPIU222002	AREA H & E	0221	27.88	2009-10-09	005169	9383159-2	EPIX91431
1656	EPIU222225	AREA H & E	0221	27.52	2009-10-09	005170	9383160-0	EPIX91431
1657	EPIU222281	AREA H & E	0221	26.65	2009-10-12	005171	9383161-8	EPIX91455
1658	EPIU222426	AREA H & E	0221	25.58	2009-10-12	005172	9383162-6	EPIX91455
1659	EPIU222092	AREA H & E	0221	25.84	2009-10-12	005173	9383163-4	EPIX91464
1660	EPIU222359	AREA H & E	0221	25.73	2009-10-12	005174	9383164-2	EPIX91464
1661	EPIU222215	AREA H & E	0221	25.29	2009-10-12	005175	9383165-9	EPIX91535
1662	EPIU222486	AREA H & E	0221	24.66	2009-10-12	005176	9383166-7	EPIX91535
1663	EPIU222494	AREA H & E	0222	23.50	2009-10-12	005177	9383167-5	EPIX91512
1664	EPIU222318	AREA H & E	0222	23.36	2009-10-12	005178	9383168-3	EPIX91535
1665	EPIU222375	AREA H & E	0222	25.62	2009-10-12	005179	9383169-1	EPIX91535
1666	EPIU222378	AREA H & E	0222	24.41	2009-10-12	005180	9383170-9	EPIX91464
1667	EPIU223150	AREA H & E	0222	24.82	2009-10-12	005181	9383171-7	EPIX91464
1668	EPIU222048	AREA H & E	0222	23.75	2009-10-12	005182	9383172-5	EPIX91429
1669	EPIU222317	AREA H & E	0222	21.04	2009-10-12	005183	9383173-3	EPIX91429
1670	EPIU222464	AREA H & E	0222	23.19	2009-10-12	005184	9383174-1	EPIX91493
1671	EPIU223381	AREA H & E	0222	23.33	2009-10-12	005185	9383175-8	EPIX91512
1672	EPIU222235	AREA H & E	0222	22.32	2009-10-12	005186	9383176-6	EPIX91512
1673	EPIU222508	AREA H & E	0222	23.29	2009-10-12	005187	9383177-4	EPIX91455
1674	EPIU222011	AREA H & E	0222	22.53	2009-10-12	005188	9383178-2	EPIX91455
1675	EPIU223293	AREA H & E	0222	21.93	2009-10-12	005189	9383179-0	EPIX91493
1676	EPIU223148	AREA H & E	0222	20.93	2009-10-12	005190	9383180-8	EPIX91493
1677	EPIU222300	AREA H & E	0222	24.37	2009-10-12	005191	9383181-6	EPIX91405
1678	EPIU222159	AREA H & E	0222	22.87	2009-10-12	005192	9383182-4	EPIX91526
1679	EPIU223065	AREA H & E	0222	20.47	2009-10-12	005193	9383183-2	EPIX91526
1680	EPIU222506	AREA H & E	0222	21.75	2009-10-12	005194	9383184-0	EPIX91405
1681	EPIU222476	AREA H & E	0223	22.74	2009-10-13	005195	9383185-7	EPIX91540
1682	EPIU222287	AREA H & E	0223	20.54	2009-10-13	005196	9383186-5	EPIX91540
1683	EPIU222252	AREA H & E	0223	23.76	2009-10-13	005197	9383187-3	EPIX91472
1684	EPIU222298	AREA H & E	0223	25.17	2009-10-13	005198	9383188-1	EPIX91508
1685	EPIU222496	AREA H & E	0223	24.22	2009-10-13	005199	9383189-9	EPIX91508
1686	EPIU222457	AREA H & E	0223	24.23	2009-10-13	005200	9383190-7	EPIX91472
1687	EPIU222218	AREA H & E	0223	22.67	2009-10-13	006001	9383191-5	EPIX91540
1688	EPIU223291	AREA H & E	0223	27.51	2009-10-13	006002	9383192-3	EPIX91540
1689	EPIU222416	AREA H & E	0223	26.08	2009-10-13	006003	9383193-1	EPIX91472
1690	EPIU223470	AREA H & E	0223	25.57	2009-10-13	006004	9383194-9	EPIX91508
1691	EPIU222535	AREA H & E	0223	26.57	2009-10-13	006005	9383195-6	EPIX91535
1692	EPIU223195	AREA H & E	0223	26.30	2009-10-13	006006	9383196-4	EPIX91512
1693	EPIU222054	AREA H & E	0223	25.91	2009-10-13	006007	9383197-2	EPIX91493
1694	EPIU222323	AREA H & E	0223	27.43	2009-10-13	006008	9383198-0	EPIX91429
1695	EPIU222559	AREA H & E	0223	24.37	2009-10-13	006009	9383199-8	EPIX91429
1696	EPIU222079	AREA H & E	0223	26.29	2009-10-13	006010	9383200-4	EPIX91493
1697	EPIU223123	AREA H & E	0223	27.03	2009-10-13	006011	9383201-2	EPIX91493
1698	EPIU222013	AREA H & E	0223	24.13	2009-10-13	006012	9383202-0	EPIX91429
1699	EPIU222155	AREA H & E	0224	22.65	2009-10-13	006013	9383203-8	EPIX91464
1700	EPIU223263	AREA H & E	0224	24.75	2009-10-13	006014	9383204-6	EPIX91429
1701	EPIU222473	AREA H & E	0224	22.98	2009-10-13	006015	9383205-3	EPIX91464
1702	EPIU222249	AREA H & E	0224	23.79	2009-10-13	006016	9383206-1	EPIX91455
1703	EPIU222242	AREA H & E	0224	22.89	2009-10-13	006017	9383207-9	EPIX91535
1704	EPIU223227	AREA H & E	0224	25.87	2009-10-13	006018	9383208-7	EPIX91455
1705	EPIU222459	AREA H & E	0224	26.02	2009-10-14	006019	9383204-5	EPIX91504
1706	EPIU223167	AREA H & E	0224	25.47	2009-10-14	006020	9383210-3	EPIX91498
1707	EPIU222273	AREA H & E	0224	24.61	2009-10-14	006021	9383211-1	EPIX91540
1708	EPIU222101	AREA H & E	0224	25.16	2009-10-14	006022	9383212-9	EPIX91472
1709	EPIU223274	AREA H & E	0224	21.52	2009-10-14	006023	9383213-7	EPIX91470
1710	EPIU222106	AREA H & E	0224	21.84	2009-10-14	006024	9383214-5	EPIX91470

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
1711	EPIU223012	AREA H & E	0224	23.06	2009-10-14	006025	9383215-2	EPIX91471
1712	EPIU223430	AREA H & E	0224	23.26	2009-10-14	006026	9383216-0	EPIX91478
1713	EPIU222266	AREA H & E	0224	23.78	2009-10-14	006027	9383217-8	EPIX91478
1714	EPIU223054	AREA H & E	0224	23.93	2009-10-14	006028	9383218-6	EPIX91470
1715	EPIU222243	AREA H & E	0224	23.57	2009-10-14	006029	9383219-4	EPIX91470
1716	EPIU223016	AREA H & E	0224	22.18	2009-10-14	006030	9383220-2	EPIX91471
1717	EPIU223166	AREA H & E	0225	24.94	2009-10-14	006031	9383221-0	EPIX91512
1718	EPIU222060	AREA H & E	0225	23.76	2009-10-14	006032	9383222-8	EPIX91512
1719	EPIU222189	AREA H & E	0225	27.49	2009-10-14	006033	9383223-6	EPIX91540
1720	EPIU223198	AREA H & E	0225	25.13	2009-10-14	006034	9383224-4	EPIX91472
1721	EPIU222192	AREA H & E	0225	24.81	2009-10-14	006035	9383225-1	EPIX91498
1722	EPIU223253	AREA H & E	0225	25.89	2009-10-14	006036	9383226-9	EPIX91504
1723	EPIU223486	AREA H & E	0225	25.57	2009-10-14	006037	9383227-7	EPIX91504
1724	EPIU222458	AREA H & E	0225	26.33	2009-10-14	006038	9383228-5	EPIX91498
1725	EPIU223156	AREA H & E	0225	25.54	2009-10-14	006039	9383229-3	EPIX91504
1726	EPIU222130	AREA H & E	0225	27.15	2009-10-14	006040	9383230-1	EPIX91498
1727	EPIU223199	AREA H & E	0225	24.73	2009-10-15	006041	9383231-9	EPIX91412
1728	EPIU222321	AREA H & E	0225	22.39	2009-10-15	006042	9383232-7	EPIX91412
1729	EPIU223397	AREA H & E	0225	23.01	2009-10-15	006043	9383233-5	EPIX91498
1730	EPIU222085	AREA H & E	0225	26.12	2009-10-15	006044	9383234-3	EPIX91412
1731	EPIU223228	AREA H & E	0225	25.37	2009-10-15	006045	9383235-0	EPIX91504
1732	EPIU223413	AREA H & E	0225	25.86	2009-10-15	006046	9383236-8	EPIX91508
1733	EPIU222138	AREA H & E	0225	26.49	2009-10-15	006047	9383237-6	EPIX91472
1734	EPIU222087	AREA H & E	0225	24.29	2009-10-15	006048	9383238-4	EPIX91508
1735	EPIU222549	AREA H & E	0226	24.78	2009-10-15	006049	9383239-2	EPIX91412
1736	EPIU222490	AREA H & E	0226	28.47	2009-10-15	006050	9383240-0	EPIX91412
1737	EPIU222029	AREA H & E	0226	23.89	2009-10-15	006051	9383241-8	EPIX91498
1738	EPIU223049	AREA H & E	0226	24.72	2009-10-15	006052	9383242-6	EPIX91412
1739	EPIU222258	AREA H & E	0226	24.80	2009-10-15	006053	9383243-4	EPIX91508
1740	EPIU222362	AREA H & E	0226	24.80	2009-10-15	006054	9383244-2	EPIX91504
1741	EPIU223967	AREA H & E	0226	24.86	2009-10-19	006055	9383245-9	EPIX91480
1742	EPIU223438	AREA H & E	0226	23.56	2009-10-19	006056	9383246-7	EPIX91523
1743	EPIU223229	AREA H & E	0226	25.49	2009-10-19	006057	9383247-5	EPIX91523
1744	EPIU222064	AREA H & E	0226	23.54	2009-10-19	006058	9383248-3	EPIX91523
1745	EPIU223356	AREA H & E	0226	24.16	2009-10-19	006059	9383249-1	EPIX91523
1746	EPIU222582	AREA H & E	0226	26.56	2009-10-19	006060	9383250-9	EPIX91480
1747	EPIU222009	AREA H & E	0226	25.04	2009-10-19	006061	9383251-7	EPIX91462
1748	EPIU223090	AREA H & E	0226	23.52	2009-10-19	006062	9383252-5	EPIX91462
1749	EPIU222144	AREA H & E	0226	24.66	2009-10-19	006063	9383253-3	EPIX91462
1750	EPIU223453	AREA H & E	0226	25.15	2009-10-19	006064	9383254-1	EPIX91462
1751	EPIU222052	AREA H & E	0226	25.58	2009-10-19	006065	9383255-8	EPIX91511
1752	EPIU222367	AREA H & E	0226	25.71	2009-10-19	006066	9383256-6	EPIX91462
1753	EPIU223096	AREA H & E	0227	24.28	2009-10-19	006067	9383257-4	EPIX91511
1754	EPIU223216	AREA H & E	0227	23.02	2009-10-19	006068	9383258-2	EPIX91511
1755	EPIU222238	AREA H & E	0227	24.93	2009-10-19	006069	9383259-0	EPIX91511
1756	EPIU223218	AREA H & E	0227	22.83	2009-10-19	006070	9383260-8	EPIX91538
1757	EPIU222430	AREA H & E	0227	25.21	2009-10-19	006071	9383261-6	EPIX91538
1758	EPIU222532	AREA H & E	0227	23.83	2009-10-19	006072	9383262-4	EPIX91538
1759	EPIU222551	AREA H & E	0227	25.83	2009-10-19	006073	9383263-2	EPIX91538
1760	EPIU222374	AREA H & E	0227	27.85	2009-10-19	006074	9383264-0	EPIX91511
1761	EPIU223133	AREA H & E	0227	28.22	2009-10-19	006075	9383265-7	EPIX91462
1762	EPIU222066	AREA H & E	0227	27.13	2009-10-19	006076	9383266-5	EPIX91511
1763	EPIU222000	AREA H & E	0227	25.58	2009-10-19	006077	9383267-3	EPIX91538
1764	EPIU222538	AREA H & E	0227	21.78	2009-10-19	006078	9383268-1	EPIX91538
1765	EPIU223422	AREA H & E	0227	24.83	2009-10-20	006079	9383269-9	EPIX91500
1766	EPIU222389	AREA H & E	0227	23.48	2009-10-20	006080	9383270-7	EPIX91500
1767	EPIU222244	AREA H & E	0227	24.07	2009-10-20	006081	9383271-5	EPIX91500
1768	EPIU223457	AREA H & E	0227	17.42	2009-10-20	006082	9383272-3	EPIX91500
1769	EPIU222437	AREA H & E	0227	18.16	2009-10-20	006083	9383273-1	EPIX91500

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
1770	EPIU223479	AREA H & E	0227	21.85	2009-10-20	006084	9383274-9	EPIX91500
1771	EPIU222338	AREA H & E	0228	20.57	2009-10-20	006085	9383275-6	EPIX91529
1772	EPIU222354	AREA H & E	0228	20.99	2009-10-20	006086	9383276-4	EPIX91529
1773	EPIU223321	AREA H & E	0228	22.92	2009-10-20	006087	9383277-2	EPIX91480
1774	EPIU223058	AREA H & E	0228	23.39	2009-10-20	006088	9383278-0	EPIX91480
1775	EPIU222498	AREA H & E	0228	21.45	2009-10-20	006089	9383279-8	EPIX91523
1776	EPIU223062	AREA H & E	0228	23.13	2009-10-20	006090	9383280-6	EPIX91523
1777	EPIU223440	AREA H & E	0228	23.01	2009-10-20	006091	9383281-4	EPIX91517
1778	EPIU223477	AREA H & E	0228	22.20	2009-10-20	006092	9383282-2	EPIX91517
1779	EPIU223452	AREA H & E	0228	21.26	2009-10-20	006093	9383283-0	EPIX91517
1780	EPIU222466	AREA H & E	0228	20.09	2009-10-20	006094	9383284-8	EPIX91517
1781	EPIU223488	AREA H & E	0228	21.48	2009-10-20	006095	9383285-5	EPIX91480
1782	EPIU222519	AREA H & E	0228	23.08	2009-10-20	006096	9383286-3	EPIX91517
1783	EPIU223301	AREA H & E	0228	20.82	2009-10-20	006097	9383287-1	EPIX91480
1784	EPIU223334	AREA H & E	0228	22.51	2009-10-20	006098	9383288-9	EPIX91517
1785	EPIU222260	AREA H & E	0228	22.54	2009-10-21	006099	9383289-7	EPIX91532
1786	EPIU223175	AREA H & E	0228	22.31	2009-10-21	006100	9383290-5	EPIX91532
1787	EPIU222529	AREA H & E	0228	22.74	2009-10-21	006101	9383291-3	EPIX91474
1788	EPIU223261	AREA H & E	0228	23.80	2009-10-21	006102	9383292-1	EPIX91474
1789	EPIU223099	AREA H & E	0229	24.08	2009-10-21	006103	9383293-9	EPIX91529
1790	EPIU222194	AREA H & E	0229	24.27	2009-10-21	006104	9383294-7	EPIX91529
1791	EPIU222226	AREA H & E	0229	25.01	2009-10-21	006105	9383295-4	EPIX91532
1792	EPIU222071	AREA H & E	0229	23.29	2009-10-21	006106	9383296-2	EPIX91532
1793	EPIU223295	AREA H & E	0229	21.90	2009-10-21	006107	9383297-0	EPIX91474
1794	EPIU223212	AREA H & E	0229	23.21	2009-10-21	006108	9383298-8	EPIX91529
1795	EPIU223137	AREA H & E	0229	23.54	2009-10-21	006109	9383299-6	EPIX91454
1796	EPIU222129	AREA H & E	0229	24.09	2009-10-21	006110	9383300-2	EPIX91454
1797	EPIU222377	AREA H & E	0229	22.35	2009-10-21	006111	9383301-0	EPIX91456
1798	EPIU222139	AREA H & E	0229	22.44	2009-10-21	006112	9383302-8	EPIX91444
1799	EPIU222534	AREA H & E	0229	21.76	2009-10-21	006113	9383303-6	EPIX91402
1800	EPIU222062	AREA H & E	0229	25.37	2009-10-21	006114	9383304-4	EPIX91402
1801	EPIU222492	AREA H & E	0229	25.55	2009-10-21	006115	9383305-1	EPIX91490
1802	EPIU222096	AREA H & E	0229	26.47	2009-10-21	006116	9383306-9	EPIX91528
1803	EPIU222510	AREA H & E	0229	26.89	2009-10-21	006117	9383307-7	EPIX91528
1804	EPIU223217	AREA H & E	0229	25.28	2009-10-21	006118	9383308-5	EPIX91490
1805	EPIU222309	AREA H & E	0229	26.05	2009-10-22	006119	9383309-3	EPIX91444
1806	EPIU222124	AREA H & E	0229	23.75	2009-10-22	006120	9383310-1	EPIX91454
1807	EPIU222404	AREA H & E	0230	26.21	2009-10-22	006121	9383311-9	EPIX91532
1808	EPIU222598	AREA H & E	0230	25.91	2009-10-22	006122	9383312-7	EPIX91444
1809	EPIU223219	AREA H & E	0230	22.23	2009-10-22	006123	9383313-5	EPIX91532
1810	EPIU222541	AREA H & E	0230	25.94	2009-10-22	006124	9383314-3	EPIX91444
1811	EPIU223340	AREA H & E	0230	22.80	2009-10-22	006125	9383315-0	EPIX91444
1812	EPIU222468	AREA H & E	0230	25.52	2009-10-22	006126	9383316-8	EPIX91444
1813	EPIU223331	AREA H & E	0230	27.72	2009-10-22	006127	9383317-6	EPIX91474
1814	EPIU222211	AREA H & E	0230	22.38	2009-10-22	006128	9383318-4	EPIX91454
1815	EPIU223308	AREA H & E	0230	24.02	2009-10-22	006129	9383319-2	EPIX91456
1816	EPIU222203	AREA H & E	0230	23.23	2009-10-22	006130	9383320-0	EPIX91456
1817	EPIU222095	AREA H & E	0230	23.15	2009-10-22	006131	9383321-8	EPIX91456
1818	EPIU222568	AREA H & E	0230	22.84	2009-10-22	006132	9383322-6	EPIX91529
1819	EPIU223304	AREA H & E	0230	23.60	2009-10-22	006133	9383323-4	EPIX91474
1820	EPIU223435	AREA H & E	0230	21.90	2009-10-22	006134	9383324-2	EPIX91474
1821	EPIU222373	AREA H & E	0230	23.57	2009-10-22	006135	9383325-9	EPIX91456
1822	EPIU223105	AREA H & E	0230	22.88	2009-10-22	006136	9383326-7	EPIX91456
1823	EPIU222089	AREA H & E	0230	22.60	2009-10-22	006137	9383327-5	EPIX91454
1824	EPIU222450	AREA H & E	0230	22.89	2009-10-22	006138	9383328-3	EPIX91454
1825	EPIU222282	AREA H & E	0231	23.86	2009-10-26	006139	9383329-1	EPIX91445
1826	EPIU222158	AREA H & E	0231	24.80	2009-10-26	006140	9383330-9	EPIX91445
1827	EPIU222178	AREA H & E	0231	25.41	2009-10-26	006141	9383331-7	EPIX91441
1828	EPIU223200	AREA H & E	0231	23.92	2009-10-26	006142	9383332-5	EPIX91441

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
1829	EPIU222042	AREA H & E	0231	23.74	2009-10-26	006143	9383333-3	EPIX91445
1830	EPIU222399	AREA H & E	0231	22.47	2009-10-26	006144	9383334-1	EPIX91463
1831	EPIU222006	AREA H & E	0231	24.33	2009-10-26	006145	9383335-8	EPIX91463
1832	EPIU222306	AREA H & E	0231	23.09	2009-10-26	006146	9383336-6	EPIX91463
1833	EPIU222370	AREA H & E	0231	21.95	2009-10-26	006147	9383337-4	EPIX91463
1834	EPIU222187	AREA H & E	0231	20.72	2009-10-26	006148	9383338-2	EPIX91463
1835	EPIU222543	AREA H & E	0231	20.50	2009-10-26	006149	9383339-0	EPIX91490
1836	EPIU222275	AREA H & E	0231	22.88	2009-10-26	006150	9383340-8	EPIX91402
1837	EPIU222014	AREA H & E	0231	24.58	2009-10-26	006151	9383341-6	EPIX91402
1838	EPIU222134	AREA H & E	0231	22.58	2009-10-26	006152	9383342-4	EPIX91490
1839	EPIU223285	AREA H & E	0231	23.43	2009-10-26	006153	9383343-2	EPIX91528
1840	EPIU222556	AREA H & E	0231	22.99	2009-10-26	006154	9383344-0	EPIX91528
1841	EPIU222143	AREA H & E	0231	26.31	2009-10-26	006155	9383345-7	EPIX91463
1842	EPIU222504	AREA H & E	0231	26.18	2009-10-26	006156	9383346-5	EPIX91402
1843	EPIU222253	AREA H & E	0232	23.65	2009-10-26	006157	9383347-3	EPIX91402
1844	EPIU223309	AREA H & E	0232	24.49	2009-10-26	006158	9383348-1	EPIX91490
1845	EPIU222293	AREA H & E	0232	25.57	2009-10-26	006159	9383349-9	EPIX91490
1846	EPIU222267	AREA H & E	0232	23.89	2009-10-26	006160	9383350-7	EPIX91528
1847	EPIU222330	AREA H & E	0232	21.39	2009-10-26	006161	9383351-5	EPIX91528
1848	EPIU222343	AREA H & E	0232	25.53	2009-10-27	006162	9383352-3	EPIX91519
1849	EPIU223134	AREA H & E	0232	26.87	2009-10-27	006163	9383353-1	EPIX91522
1850	EPIU222418	AREA H & E	0232	25.15	2009-10-27	006164	9383354-9	EPIX91515
1851	EPIU222501	AREA H & E	0232	24.08	2009-10-27	006165	9383355-6	EPIX91522
1852	EPIU222219	AREA H & E	0232	23.45	2009-10-27	006166	9383356-4	EPIX91415
1853	EPIU223461	AREA H & E	0232	27.35	2009-10-27	006167	9383357-2	EPIX91515
1854	EPIU223130	AREA H & E	0232	25.12	2009-10-27	006168	9383358-0	EPIX91415
1855	EPIU222063	AREA H & E	0232	21.78	2009-10-27	006169	9383359-8	EPIX91515
1856	EPIU222465	AREA H & E	0232	24.71	2009-10-27	006170	9383360-6	EPIX91515
1857	EPIU223454	AREA H & E	0232	23.99	2009-10-27	006171	9383361-4	EPIX91475
1858	EPIU223258	AREA H & E	0232	25.02	2009-10-27	006172	9383362-2	EPIX91475
1859	EPIU222030	AREA H & E	0232	21.77	2009-10-27	006173	9383363-0	EPIX91519
1860	EPIU223168	AREA H & E	0232	21.30	2009-10-27	006174	9383364-8	EPIX91519
1861	EPIU223259	AREA H & E	0233	21.53	2009-10-27	006175	9383365-5	EPIX91522
1862	EPIU222585	AREA H & E	0233	25.57	2009-10-27	006176	9383366-3	EPIX91522
1863	EPIU222206	AREA H & E	0233	23.78	2009-10-27	006177	9383367-1	EPIX91441
1864	EPIU222563	AREA H & E	0233	23.47	2009-10-27	006178	9383368-9	EPIX91445
1865	EPIU223021	AREA H & E	0233	25.23	2009-10-27	006179	9383369-7	EPIX91441
1866	EPIU222119	AREA H & E	0233	23.82	2009-10-27	006180	9383370-5	EPIX91445
1867	EPIU222315	AREA H & E	0233	22.57	2009-10-27	006181	9383371-3	EPIX91441
1868	EPIU222027	AREA H & E	0233	23.70	2009-10-27	006182	9383372-1	EPIX91441
1869	EPIU223135	AREA H & E	0233	25.48	2009-10-27	006183	9383373-9	EPIX91445
1870	EPIU223390	AREA H & E	0233	25.90	2009-10-28	006184	9383374-7	EPIX91527
1871	EPIU223045	AREA H & E	0233	24.18	2009-10-28	006185	9383375-4	EPIX91527
1872	EPIU223025	AREA H & E	0233	25.41	2009-10-28	006186	9383376-2	EPIX91527
1873	EPIU223084	AREA H & E	0233	23.24	2009-10-28	006187	9383377-0	EPIX91527
1874	EPIU222313	AREA H & E	0233	23.45	2009-10-28	006188	9383378-8	EPIX91519
1875	EPIU223260	AREA H & E	0233	27.26	2009-10-28	006189	9383379-6	EPIX91415
1876	EPIU222403	AREA H & E	0233	26.00	2009-10-28	006190	9383380-4	EPIX91519
1877	EPIU222577	AREA H & E	0233	25.59	2009-10-28	006191	9383381-2	EPIX91415
1878	EPIU222153	AREA H & E	0233	25.29	2009-10-28	006192	9383382-0	EPIX91522
1879	EPIU223070	AREA H & E	0234	23.47	2009-10-28	006193	9383383-8	EPIX91522
1880	EPIU223034	AREA H & E	0234	23.10	2009-10-28	006194	9383384-6	EPIX91475
1881	EPIU223122	AREA H & E	0234	24.52	2009-10-28	006195	9383385-3	EPIX91515
1882	EPIU222344	AREA H & E	0234	23.33	2009-10-28	006196	9383386-1	EPIX91475
1883	EPIU222274	AREA H & E	0234	25.74	2009-10-28	006197	9383387-9	EPIX91515
1884	EPIU222049	AREA H & E	0234	22.82	2009-10-28	006198	9383388-7	EPIX91415
1885	EPIU222326	AREA H & E	0234	19.46	2009-10-28	006199	9383389-5	EPIX91415
1886	EPIU222376	AREA H & E	0234	22.21	2009-10-28	006200	9383390-3	EPIX91475
1887	EPIU222118	AREA H & E	0234	22.78	2009-10-28	006201	9383391-1	EPIX91475

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
1888	EPIU222044	AREA H & E	0234	20.83	2009-10-28	006202	9383392-9	EPIX91519
1889	EPIU222112	AREA H & E	0234	26.71	2009-10-29	006203	9383393-7	EPIX91491
1890	EPIU223052	AREA H & E	0234	26.06	2009-10-29	006204	9383394-5	EPIX91468
1891	EPIU223489	AREA H & E	0234	25.14	2009-10-29	006205	9383395-2	EPIX91468
1892	EPIU223139	AREA H & E	0234	24.73	2009-10-29	006206	9383396-0	EPIX91468
1893	EPIU222586	AREA H & E	0234	22.42	2009-10-29	006207	9383397-8	EPIX91468
1894	EPIU222033	AREA H & E	0234	21.74	2009-10-29	006208	9383398-6	EPIX91461
1895	EPIU223050	AREA H & E	0234	23.55	2009-10-29	006209	9383399-4	EPIX91527
1896	EPIU222417	AREA H & E	0234	23.05	2009-10-29	006210	9383400-0	EPIX91491
1897	EPIU223196	AREA H & E	0235	22.25	2009-10-29	006211	9383401-8	EPIX91491
1898	EPIU223392	AREA H & E	0235	24.26	2009-10-29	006212	9383402-6	EPIX91468
1899	EPIU222091	AREA H & E	0235	24.52	2009-10-29	006213	9383403-4	EPIX91527
1900	EPIU222350	AREA H & E	0235	23.85	2009-10-29	006214	9383404-2	EPIX91537
1901	EPIU223046	AREA H & E	0235	24.70	2009-10-29	006215	9383405-9	EPIX91537
1902	EPIU223170	AREA H & E	0235	24.99	2009-10-29	006216	9383406-7	EPIX91461
1903	EPIU222210	AREA H & E	0235	26.08	2009-10-29	006217	9383407-5	EPIX91461
1904	EPIU222025	AREA H & E	0235	27.33	2009-10-29	006218	9383408-3	EPIX91537
1905	EPIU222358	AREA H & E	0235	27.44	2009-10-29	006219	9383409-1	EPIX91537
1906	EPIU222495	AREA H & E	0235	26.21	2009-10-29	006220	9383410-9	EPIX91537
1907	EPIU222216	AREA H & E	0235	21.56	2009-10-29	006221	9383411-7	EPIX91461
1908	EPIU222392	AREA H & E	0235	25.56	2009-10-29	006222	9383412-5	EPIX91461
1909	EPIU222526	AREA H & E	0235	23.67	2009-11-02	006223	9383413-3	EPIX91481
1910	EPIU223208	AREA H & E	0235	25.73	2009-11-02	006224	9383414-1	EPIX91481
1911	EPIU222517	AREA H & E	0235	23.38	2009-11-02	006225	9383415-8	EPIX91484
1912	EPIU222487	AREA H & E	0235	25.04	2009-11-02	006226	9383416-6	EPIX91484
1913	EPIU222207	AREA H & E	0235	25.59	2009-11-02	006227	9383417-4	EPIX91483
1914	EPIU222597	AREA H & E	0235	24.44	2009-11-02	006228	9383418-2	EPIX91483
1915	EPIU222406	AREA H & E	0236	23.04	2009-11-02	006229	9383419-0	EPIX91539
1916	EPIU223110	AREA H & E	0236	25.42	2009-11-02	006230	9383420-8	EPIX91539
1917	EPIU222320	AREA H & E	0236	20.03	2009-11-02	006231	9383421-6	EPIX91468
1918	EPIU222056	AREA H & E	0236	22.62	2009-11-02	006232	9383422-4	EPIX91537
1919	EPIU222484	AREA H & E	0236	24.60	2009-11-02	006233	9383423-2	EPIX91491
1920	EPIU222366	AREA H & E	0236	23.81	2009-11-02	006234	9383424-0	EPIX91461
1921	EPIU222169	AREA H & E	0236	23.60	2009-11-02	006235	9383425-7	EPIX91491
1922	EPIU222098	AREA H & E	0236	23.45	2009-11-02	006236	9383426-5	EPIX91502
1923	EPIU222084	AREA H & E	0236	24.11	2009-11-02	006237	9383427-3	EPIX91502
1924	EPIU223341	AREA H & E	0236	22.97	2009-11-02	006238	9383428-1	EPIX91502
1925	EPIU223109	AREA H & E	0236	21.31	2009-11-02	006239	9383429-9	EPIX91502
1926	EPIU222413	AREA H & E	0236	22.35	2009-11-02	006240	9383430-7	EPIX91491
1927	EPIU222023	AREA H & E	0236	22.40	2009-11-02	006241	9383431-5	EPIX91502
1928	EPIU222151	AREA H & E	0236	25.78	2009-11-02	006242	9383432-3	EPIX91502
1929	EPIU223085	AREA H & E	0236	26.10	2009-11-03	006243	9383433-1	EPIX91483
1930	EPIU222150	AREA H & E	0236	23.61	2009-11-03	006244	9383434-9	EPIX91484
1931	EPIU222132	AREA H & E	0236	26.00	2009-11-03	006245	9383435-6	EPIX91481
1932	EPIU223247	AREA H & E	0236	24.83	2009-11-03	006246	9383436-4	EPIX91481
1933	EPIU222353	AREA H & E	0237	23.45	2009-11-03	006247	9383437-2	EPIX91484
1934	EPIU222524	AREA H & E	0237	24.87	2009-11-03	006248	9383438-0	EPIX91484
1935	EPIU222107	AREA H & E	0237	21.66	2009-11-03	006249	9383439-8	EPIX91481
1936	EPIU222574	AREA H & E	0237	23.88	2009-11-03	006250	9383440-6	EPIX91481
1937	EPIU222453	AREA H & E	0237	26.33	2009-11-03	006251	9383441-4	EPIX91433
1938	EPIU222405	AREA H & E	0237	25.37	2009-11-03	006252	9383442-2	EPIX91433
1939	EPIU223347	AREA H & E	0237	27.30	2009-11-03	006253	9383443-0	EPIX91489
1940	EPIU223039	AREA H & E	0237	23.43	2009-11-03	006254	9383444-8	EPIX91489
1941	EPIU222567	AREA H & E	0237	24.74	2009-11-04	006255	9383445-5	EPIX91479
1942	EPIU223145	AREA H & E	0237	26.18	2009-11-04	006256	9383446-3	EPIX91495
1943	EPIU222531	AREA H & E	0237	23.28	2009-11-04	006257	9383447-1	EPIX91479
1944	EPIU222564	AREA H & E	0237	20.55	2009-11-04	006258	9383448-9	EPIX91492
1945	EPIU222268	AREA H & E	0237	20.78	2009-11-04	006259	9383449-7	EPIX91492
1946	EPIU222019	AREA H & E	0237	22.09	2009-11-04	006260	9383450-5	EPIX91492

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
1947	EPIU222160	AREA H & E	0237	21.35	2009-11-04	006261	9383451-3	EPIX91489
1948	EPIU223299	AREA H & E	0237	19.63	2009-11-04	006262	9383452-1	EPIX91492
1949	EPIU222369	AREA H & E	0237	19.27	2009-11-04	006263	9383453-9	EPIX91492
1950	EPIU222337	AREA H & E	0237	19.04	2009-11-04	006264	9383454-7	EPIX91492
1951	EPIU222152	AREA H & E	0238	18.96	2009-11-04	006265	9383455-4	EPIX91433
1952	EPIU223498	AREA H & E	0238	23.03	2009-11-04	006266	9383456-2	EPIX91539
1953	EPIU222460	AREA H & E	0238	23.52	2009-11-04	006267	9383457-0	EPIX91539
1954	EPIU223005	AREA H & E	0238	21.48	2009-11-04	006268	9383458-8	EPIX91433
1955	EPIU223307	AREA H & E	0238	21.41	2009-11-04	006269	9383459-6	EPIX91489
1956	EPIU223313	AREA H & E	0238	23.67	2009-11-04	006270	9383460-4	EPIX91489
1957	EPIU223022	AREA H & E	0238	23.96	2009-11-04	006271	9383461-2	EPIX91433
1958	EPIU222595	AREA H & E	0238	28.16	2009-11-04	006272	9383462-0	EPIX91433
1959	EPIU223379	AREA H & E	0238	24.36	2009-11-04	006273	9383463-8	EPIX91483
1960	EPIU222463	AREA H & E	0238	27.09	2009-11-04	006274	9383464-6	EPIX91539
1961	EPIU223121	AREA H & E	0238	26.82	2009-11-04	006275	9383465-3	EPIX91489
1962	EPIU222208	AREA H & E	0238	24.60	2009-11-04	006276	9383466-1	EPIX91483
1963	EPIU223069	AREA H & E	0238	22.04	2009-11-04	006277	9383467-9	EPIX91484
1964	EPIU222248	AREA H & E	0238	22.76	2009-11-04	006278	9383468-7	EPIX91539
1965	EPIU223408	AREA H & E	0238	24.90	2009-11-04	006279	9383469-5	EPIX91483
1966	EPIU222280	AREA H & E	0238	22.69	2009-11-05	006280	9383470-3	EPIX91453
1967	EPIU222515	AREA H & E	0238	26.34	2009-11-05	006281	9383471-1	EPIX91453
1968	EPIU222349	AREA H & E	0238	23.50	2009-11-05	006282	9383472-9	EPIX91453
1969	EPIU223029	AREA H & E	0239	25.47	2009-11-05	006283	9383473-7	EPIX91521
1970	EPIU222147	AREA H & E	0239	20.30	2009-11-05	006284	9383474-5	EPIX91453
1971	EPIU222145	AREA H & E	0239	23.95	2009-11-05	006285	9383475-2	EPIX91521
1972	EPIU222328	AREA H & E	0239	22.31	2009-11-05	006286	9383476-0	EPIX91521
1973	EPIU222059	AREA H & E	0239	19.18	2009-11-05	006287	9383477-8	EPIX91521
1974	EPIU223429	AREA H & E	0239	23.86	2009-11-05	006288	9383478-6	EPIX91453
1975	EPIU223333	AREA H & E	0239	24.67	2009-11-05	006289	9383479-4	EPIX91521
1976	EPIU223239	AREA H & E	0239	21.64	2009-11-05	006290	9383480-2	EPIX91521
1977	EPIU223256	AREA H & E	0239	25.94	2009-11-05	006291	9383481-0	EPIX91495
1978	EPIU222241	AREA H & E	0239	22.55	2009-11-05	006292	9383482-8	EPIX91495
1979	EPIU223319	AREA H & E	0239	23.63	2009-11-05	006293	9383483-6	EPIX91479
1980	EPIU223409	AREA H & E	0239	23.23	2009-11-05	006294	9383484-4	EPIX91479
1981	EPIU222008	AREA H & E	0239	25.95	2009-11-05	006295	9383485-1	EPIX91495
1982	EPIU223023	AREA H & E	0239	22.75	2009-11-05	006296	9383486-9	EPIX91495
1983	EPIU222007	AREA H & E	0239	22.24	2009-11-05	006297	9383487-7	EPIX91495
1984	EPIU222230	AREA H & E	0239	22.79	2009-11-05	006298	9383488-5	EPIX91479
1985	EPIU222291	AREA H & E	0239	27.46	2009-11-05	006299	9383489-3	EPIX91479
1986	EPIU222533	AREA H & E	0239	17.45	2009-11-06	006300	9383490-1	EPIX91453
1987	EPIU222041	AREA H & E	0240	19.71	2009-11-13	006301	9383491-9	EPIX91417
1988	EPIU222587	AREA H & E	0240	20.67	2009-11-13	006302	9383492-7	EPIX91417
1989	EPIU222356	AREA H & E	0240	20.44	2009-11-13	006303	9383493-5	EPIX91404
1990	EPIU222412	Area A	0240	22.54	2009-11-13	006304	9383494-3	EPIX91404
1991	EPIU222205	Area A	0240	29.92	2009-11-13	006305	9383495-0	EPIX91417
1992	EPIU222424	Area A	0240	27.22	2009-11-13	006306	9383496-8	EPIX91417
1993	EPIU223215	Area A	0240	29.43	2009-11-13	006307	9383497-6	EPIX91404
1994	EPIU222179	Area A	0240	30.10	2009-11-13	006308	9383498-4	EPIX91404
1995	EPIU222319	Area A	0240	32.12	2009-11-13	006309	9383499-2	EPIX91417
1996	EPIU222331	Area A	0240	24.95	2009-11-13	006310	9385910-6	EPIX91417
1997	EPIU223396	Area A	0240	25.25	2009-11-13	006311	9385911-4	EPIX91404
1998	EPIU222270	Area A	0240	25.06	2009-11-13	006312	9385912-2	EPIX91404
1999	EPIU223232	Area A	0240	20.71	2009-11-19	006313	9385913-0	EPIX91431
2000	EPIU222097	Area A w/ asphalt	0240	21.40	2009-11-19	006314	9385914-8	EPIX91431
2001	EPIU222265	Area A w/ asphalt	0240	23.53	2009-11-19	006315	9385915-5	EPIX91509
2002	EPIU223225	Area A w/ asphalt	0240	25.61	2009-11-19	006316	9385916-3	EPIX91509
2003	EPIU222240	Area A w/ asphalt	0240	22.04	2009-11-19	006317	9385917-1	EPIX91509
2004	EPIU223086	Buffer Zone Oily	0240	20.50	2009-11-19	006318	9385918-9	EPIX91509
2005	EPIU222032	Buffer Zone Oily	0240	22.62	2009-11-19	006319	9385919-7	EPIX91509

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
2006	EPIU222231	Buffer Zone Oily	0240	24.51	2009-11-19	006320	9385920-5	EPIX91509
2007	EPIU223265	Buffer Zone Oily	0240	27.30	2009-11-19	006321	9385921-3	EPIX91431
2008	EPIU222575	Buffer Zone Oily	0240	28.36	2009-11-19	006322	9385922-1	EPIX91431
2009	EPIU223339	Buffer Zone Oily	0240	23.91	2009-11-19	006323	9385923-9	EPIX91431
2010	EPIU222580	Buffer Zone Oily	0240	16.45	2009-11-19	006324	9385924-7	EPIX91431
2011	EPIU222496	AREA I - HAZ	0241	20.65	2010-05-03	006044402JJK	9437732-2	EPIX91452
2012	EPIU222220	AREA I - HAZ	0241	21.38	2010-05-03	006044403JJK	9437733-0	EPIX91420
2013	EPIU222176	AREA I - HAZ	0241	21.56	2010-05-03	006044404JJK	9437734-8	EPIX91420
2014	EPIU223095	AREA I - HAZ	0241	21.83	2010-05-03	006044405JJK	9437735-5	EPIX91475
2015	EPIU222164	AREA I - HAZ	0241	22.98	2010-05-03	006044406JJK	9437736-3	EPIX91514
2016	EPIU222408	AREA I - HAZ	0241	23.88	2010-05-03	006044407JJK	9437737-1	EPIX91514
2017	EPIU222003	AREA I - HAZ	0241	23.67	2010-05-03	006044408JJK	9437738-9	EPIX91475
2018	EPIU222348	AREA I - HAZ	0241	23.94	2010-05-03	006044409JJK	9437739-7	EPIX91475
2019	EPIU222111	AREA I - HAZ	0241	23.96	2010-05-03	006044410JJK	9437740-5	EPIX91514
2020	EPIU222432	AREA I - HAZ	0241	23.03	2010-05-03	006044411JJK	9437741-3	EPIX91514
2021	EPIU222520	AREA I - HAZ	0241	25.32	2010-05-03	006044412JJK	9437742-1	EPIX91475
2022	EPIU222214	AREA I - HAZ	0241	25.77	2010-05-03	006044413JJK	9437743-9	EPIX91475
2023	EPIU222116	AREA I - HAZ	0241	26.51	2010-05-04	006044414JJK	9437744-7	EPIX91420
2024	EPIU222104	AREA I - HAZ	0241	28.18	2010-05-04	006044415JJK	9437775-1	EPIX91420
2025	EPIU222482	AREA I - HAZ	0241	27.37	2010-05-04	006044416JJK	9437774-4	EPIX91420
2026	EPIU222299	AREA I - HAZ	0241	27.66	2010-05-04	006044417JJK	9437773-6	EPIX91452
2027	EPIU222574	AREA I - HAZ	0241	22.43	2010-05-04	006044418JJK	9437772-8	EPIX91475
2028	EPIU222486	AREA I - HAZ	0241	21.89	2010-05-04	006044419JJK	9437771-0	EPIX91514
2029	EPIU222194	AREA I - HAZ	0242	22.27	2010-05-04	006044420JJK	9437770-2	EPIX91514
2030	EPIU222358	AREA I - HAZ	0242	22.94	2010-05-04	006044421JJK	9437647-2	EPIX91420
2031	EPIU222353	AREA I - HAZ	0242	24.65	2010-05-04	006044422JJK	9437745-4	EPIX91452
2032	EPIU222334	AREA I - HAZ	0242	23.73	2010-05-04	006044423JJK	9437746-2	EPIX91452
2033	EPIU222162	AREA I - HAZ	0242	25.46	2010-05-04	006044424JJK	9437747-0	EPIX91452
2034	EPIU222391	AREA I - HAZ	0242	24.83	2010-05-04	006044425JJK	9437748-8	EPIX91452
2035	EPIU222264	AREA I - HAZ	0242	25.01	2010-05-04	006044426JJK	9437749-6	EPIX91406
2036	EPIU222562	AREA I - HAZ	0242	24.67	2010-05-04	006044427JJK	9437750-4	EPIX91406
2037	EPIU222325	AREA I - HAZ	0242	24.43	2010-05-04	006044428JJK	9437751-2	EPIX91468
2038	EPIU222563	AREA I - HAZ	0242	26.02	2010-05-04	006044429JJK	9437752-0	EPIX91468
2039	EPIU222103	AREA I - HAZ	0242	26.63	2010-05-05	006044430JJK	9437753-8	EPIX91523
2040	EPIU222305	AREA I - HAZ	0242	25.36	2010-05-05	006044431JJK	9437754-6	EPIX91406
2041	EPIU222577	AREA I - HAZ	0242	24.48	2010-05-05	006044432JJK	9437766-0	EPIX91406
2042	EPIU222517	AREA I - HAZ	0242	24.76	2010-05-05	006044433JJK	9437755-3	EPIX91523
2043	EPIU222495	AREA I - HAZ	0242	24.65	2010-05-05	006044434JJK	9437756-1	EPIX91523
2044	EPIU222253	AREA I - HAZ	0242	23.02	2010-05-05	006044435JJK	9437757-9	EPIX91523
2045	EPIU222210	AREA I - HAZ	0242	25.01	2010-05-05	006044436JJK	9437758-7	EPIX91406
2046	EPIU222367	AREA I - HAZ	0242	26.24	2010-05-05	006044437JJK	9437759-5	EPIX91406
2047	EPIU223430	AREA I - NON HAZ	0243	23.71	2010-05-05	005537	9437729-8	EPIX91458
2048	EPIU223218	AREA I - NON HAZ	0243	25.32	2010-05-05	005538	9437730-6	EPIX91458
2049	EPIU222196	AREA I - NON HAZ	0243	26.44	2010-05-05	005539	9437731-4	EPIX91455
2050	EPIU222062	AREA I - HAZ	0244	23.82	2010-05-06	006044443JJK	9437760-3	EPIX91477
2051	EPIU222187	AREA I - HAZ	0244	23.68	2010-05-06	006044442JJK	9437761-1	EPIX91477
2052	EPIU222219	AREA I - HAZ	0244	22.37	2010-05-06	006044441JJK	9437762-9	EPIX91523
2053	EPIU222349	AREA I - HAZ	0244	25.00	2010-05-06	006044440JJK	9437763-7	EPIX91523
2054	EPIU222555	AREA I - HAZ	0244	24.08	2010-05-06	006044439JJK	9437764-5	EPIX91468
2055	EPIU222567	AREA I - HAZ	0244	25.69	2010-05-06	006044438JJK	9437765-2	EPIX91468
2056	EPIU223445	AREA I - NON HAZ	0243	26.59	2010-05-06	005551	9437781-9	EPIX91451
2057	EPIU222042	AREA I - NON HAZ	0243	26.57	2010-05-06	005546	9437776-9	EPIX91458
2058	EPIU223215	AREA I - NON HAZ	0243	26.27	2010-05-06	005547	9437777-7	EPIX91451
2059	EPIU222208	AREA I - NON HAZ	0243	26.60	2010-05-06	005548	9437778-5	EPIX91451
2060	EPIU223413	AREA I - NON HAZ	0243	26.16	2010-05-06	005549	9437779-3	EPIX91451
2061	EPIU222378	AREA I - NON HAZ	0243	27.85	2010-05-06	005550	9437780-1	EPIX91451
2062	EPIU222282	AREA I - HAZ	0243	25.08	2010-05-07	006044444JJK	9437639-9	EPIX91477
2063	EPIU222274	AREA I - HAZ	0243	25.90	2010-05-07	006044445JJK	9437640-7	EPIX91477
2064	EPIU222498	AREA I - HAZ	0243	26.43	2010-05-07	006044446JJK	9437641-5	EPIX91477

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
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LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
2065	EPIU223208	AREA I - HAZ	0243	21.55	2010-05-07	006044447JJK	9437642-3	EPIX91477
2066	EPIU222260	AREA I - HAZ	0243	28.45	2010-05-07	006044448JJK	9437643-1	EPIX91468
2067	EPIU222300	AREA I - HAZ	0243	27.91	2010-05-07	006044449JJK	9437644-9	EPIX91468
2068	EPIU223123	AREA I - NON HAZ	0243	27.40	2010-05-07	005552	9437645-6	EPIX91455
2069	EPIU223257	AREA I - NON HAZ	0243	26.54	2010-05-07	005553	9437646-4	EPIX91433
2070	EPIU222407	AREA I - NON HAZ	0243	26.69	2010-05-07	005554	9437648-0	EPIX91433
2071	EPIU223269	AREA I - NON HAZ	0244	24.80	2010-05-07	005555	9437649-8	EPIX91458
2072	EPIU223364	AREA I - NON HAZ	0244	24.47	2010-05-07	005556	9437650-6	EPIX91451
2073	EPIU222340	AREA I - NON HAZ	0244	23.61	2010-05-07	005557	9437651-4	EPIX91458
2074	EPIU222566	AREA I - NON HAZ	0244	24.55	2010-05-07	005558	9437652-2	EPIX91433
2075	EPIU222447	AREA I - NON HAZ	0244	23.34	2010-05-07	005559	9437653-0	EPIX91433
2076	EPIU222170	AREA I - NON HAZ	0244	24.79	2010-05-07	005560	9437654-8	EPIX91455
2077	EPIU223053	AREA I - NON HAZ	0244	25.24	2010-05-07	005561	9437655-5	EPIX91455
2078	EPIU222158	AREA I - NON HAZ	0244	25.42	2010-05-07	005562	9437656-3	EPIX91490
2079	EPIU222009	AREA I - NON HAZ	0244	25.22	2010-05-07	005563	9437657-1	EPIX91490
2080	EPIU223399	AREA I - NON HAZ	0244	27.16	2010-05-07	005564	9437658-9	EPIX91455
2081	EPIU222394	AREA I - NON HAZ	0244	25.20	2010-05-10	005565	9437659-7	EPIX91484
2082	EPIU222572	AREA I - NON HAZ	0244	26.04	2010-05-10	005566	9437660-5	EPIX91484
2083	EPIU223360	AREA I - NON HAZ	0244	24.66	2010-05-10	005567	9437661-3	EPIX91493
2084	EPIU222249	AREA I - NON HAZ	0244	24.81	2010-05-10	005568	9437662-1	EPIX91538
2085	EPIU223012	AREA I - NON HAZ	0244	24.74	2010-05-10	005569	9437663-9	EPIX91484
2086	EPIU223291	AREA I - NON HAZ	0244	25.72	2010-05-10	005570	9437664-7	EPIX91484
2087	EPIU223268	AREA I - NON HAZ	0244	24.83	2010-05-10	005571	9437665-4	EPIX91484
2088	EPIU223227	AREA I - NON HAZ	0244	24.54	2010-05-10	005572	9437666-2	EPIX91484
2089	EPIU222156	AREA I - NON HAZ	0245	24.31	2010-05-10	005573	9437667-0	EPIX91537
2090	EPIU222573	AREA I - NON HAZ	0245	24.68	2010-05-10	005574	9437668-8	EPIX91433
2091	EPIU223150	AREA I - NON HAZ	0245	24.78	2010-05-10	005575	9437669-6	EPIX91455
2092	EPIU223350	AREA I - NON HAZ	0245	24.08	2010-05-10	005576	9437670-4	EPIX91433
2093	EPIU222368	AREA I - NON HAZ	0245	24.21	2010-05-10	005577	9437671-2	EPIX91537
2094	EPIU223190	AREA I - NON HAZ	0245	25.44	2010-05-10	005578	9437672-0	EPIX91426
2095	EPIU222021	AREA I - NON HAZ	0245	25.95	2010-05-10	005579	9437673-8	EPIX91490
2096	EPIU222360	AREA I - NON HAZ	0245	25.25	2010-05-10	005580	9437674-6	EPIX91458
2097	EPIU222475	AREA I - NON HAZ	0245	25.32	2010-05-10	005581	9437675-3	EPIX91490
2098	EPIU222522	AREA I - NON HAZ	0245	24.76	2010-05-10	005582	9437676-1	EPIX91490
2099	EPIU223124	AREA I - NON HAZ	0245	24.73	2010-05-10	005583	9437677-9	EPIX91490
2100	EPIU223104	AREA I - NON HAZ	0245	24.99	2010-05-11	005584	9437678-7	EPIX91426
2101	EPIU223143	AREA I - NON HAZ	0245	24.74	2010-05-11	005585	9437679-5	EPIX91537
2102	EPIU222133	AREA I - NON HAZ	0245	24.48	2010-05-11	005586	9437680-3	EPIX91456
2103	EPIU223282	AREA I - NON HAZ	0245	26.25	2010-05-11	005587	9437681-1	EPIX91493
2104	EPIU223321	AREA I - NON HAZ	0245	24.85	2010-05-11	005588	9437682-9	EPIX91456
2105	EPIU222091	AREA I - NON HAZ	0245	26.11	2010-05-11	005589	9437683-7	EPIX91493
2106	EPIU223075	AREA I - NON HAZ	0245	24.74	2010-05-11	005590	9437684-5	EPIX91456
2107	EPIU223148	AREA I - NON HAZ	0246	25.13	2010-05-11	005591	9437685-2	EPIX91538
2108	EPIU222455	AREA I - NON HAZ	0246	23.14	2010-05-11	005592	9437686-0	EPIX91456
2109	EPIU222569	AREA I - NON HAZ	0246	24.69	2010-05-11	005593	9437687-8	EPIX91493
2110	EPIU222290	AREA I - NON HAZ	0246	25.93	2010-05-11	005594	9437688-6	EPIX91537
2111	EPIU223263	AREA I - NON HAZ	0246	26.14	2010-05-11	005595	9437689-4	EPIX91538
2112	EPIU223495	AREA I - NON HAZ	0246	24.05	2010-05-11	005596	9437690-2	EPIX91493
2113	EPIU223228	AREA I - NON HAZ	0246	24.39	2010-05-12	005205	9437767-8	EPIX91419
2114	EPIU222192	AREA I - NON HAZ	0246	24.40	2010-05-12	005206	9437768-6	EPIX91498
2115	EPIU223253	AREA I - NON HAZ	0246	25.54	2010-05-12	005207	9437769-4	EPIX91498
2116	EPIU223058	AREA I - NON HAZ	0246	26.37	2010-05-12	005208	9437782-7	EPIX91426
2117	EPIU223197	AREA I - NON HAZ	0246	25.43	2010-05-12	005209	9437783-5	EPIX91538
2118	EPIU223054	AREA I - NON HAZ	0246	25.55	2010-05-12	005210	9437784-3	EPIX91456
2119	EPIU222227	AREA I - NON HAZ	0246	24.03	2010-05-12	005211	9437785-0	EPIX91426
2120	EPIU223133	AREA I - NON HAZ	0246	24.80	2010-05-12	005597	9437691-0	EPIX91456
2121	EPIU223088	AREA I - NON HAZ	0246	25.44	2010-05-12	005598	9437692-8	EPIX91498
2122	EPIU223311	AREA I - NON HAZ	0246	26.74	2010-05-12	005599	9437693-6	EPIX91498
2123	EPIU223487	AREA I - NON HAZ	0246	26.23	2010-05-12	005600	9437694-4	EPIX91468

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
2124	EPIU222488	AREA I - NON HAZ	0246	26.09	2010-05-12	005201	9437695-1	EPIX91419
2125	EPIU222123	AREA I - NON HAZ	0247	24.89	2010-05-12	005202	9437696-9	EPIX91498
2126	EPIU223416	AREA I - NON HAZ	0247	25.51	2010-05-12	005203	9437697-7	EPIX91419
2127	EPIU223456	AREA I - NON HAZ	0247	25.59	2010-05-12	005204	9437698-5	EPIX91419
2128	EPIU222100	AREA I - NON HAZ	0247	23.64	2010-05-12	005212	9437786-8	EPIX91493
2129	EPIU223297	AREA I - NON HAZ	0247	26.21	2010-05-13	005213	9437787-6	EPIX91532
2130	EPIU222271	AREA I - NON HAZ	0247	26.30	2010-05-13	005214	9437788-4	EPIX91532
2131	EPIU222550	AREA I - NON HAZ	0247	25.19	2010-05-13	005215	9437996-3	EPIX91411
2132	EPIU222491	AREA I - NON HAZ	0247	25.17	2010-05-13	005216	9437997-1	EPIX91411
2133	EPIU223164	AREA I - NON HAZ	0247	26.04	2010-05-13	005217	9437998-9	EPIX91532
2134	EPIU223096	AREA I - NON HAZ	0247	25.31	2010-05-13	005218	9437999-7	EPIX91532
2135	EPIU223198	AREA I - NON HAZ	0247	24.34	2010-05-13	005219	9435000-6	EPIX91411
2136	EPIU222295	AREA I - NON HAZ	0247	25.34	2010-05-13	005220	9435001-4	EPIX91411
2137	EPIU222142	AREA I - NON HAZ	0247	25.31	2010-05-13	005221	9435002-2	EPIX91532
2138	EPIU223352	AREA I - NON HAZ	0247	26.55	2010-05-13	005222	9435003-0	EPIX91532
2139	EPIU222217	AREA I - NON HAZ	0247	24.77	2010-05-13	005223	9435004-8	EPIX91411
2140	EPIU223467	AREA I - NON HAZ	0247	25.92	2010-05-13	005224	9435005-5	EPIX91411
2141	EPIU223081	AREA I - NON HAZ	0247	24.41	2010-05-14	005225	9435006-3	EPIX91538
2142	EPIU222207	AREA I - NON HAZ	0247	25.69	2010-05-14	005226	9435007-1	EPIX91426
2143	EPIU222266	AREA I - NON HAZ	0248	25.23	2010-05-14	005227	9435008-9	EPIX91426
2144	EPIU223135	AREA I - NON HAZ	0248	24.74	2010-05-14	005228	9435009-7	EPIX91508
2145	EPIU222375	AREA I - NON HAZ	0248	24.05	2010-05-14	005229	9435010-5	EPIX91508
2146	EPIU222219	AREA I - NON HAZ	0248	24.16	2010-05-14	005230	9435011-3	EPIX91508
2147	EPIU223089	AREA I - NON HAZ	0248	25.37	2010-05-14	005231	9435012-1	EPIX91508
2148	EPIU223338	AREA I - NON HAZ	0248	25.64	2010-05-14	005232	9435013-9	EPIX91508
2149	EPIU223429	AREA I - NON HAZ	0248	25.39	2010-05-14	005233	9435014-7	EPIX91508
2150	EPIU223076	AREA I - NON HAZ	0248	25.79	2010-05-14	005234	9435015-4	EPIX91419
2151	EPIU223130	AREA I - NON HAZ	0248	24.08	2010-05-14	005235	9435016-2	EPIX91419
2152	EPIU223046	AREA I - NON HAZ	0248	25.18	2010-05-14	005236	9435017-0	EPIX91537
2153	EPIU222413	AREA I - NON HAZ	0248	23.94	2010-05-14	005237	9435018-8	EPIX91537
2154	EPIU223309	AREA I - NON HAZ	0248	25.32	2010-05-14	005238	9435019-6	EPIX91538
2155	EPIU223375	AREA I - NON HAZ	0249	25.16	2010-05-17	005239	9435020-4	EPIX91429
2156	EPIU222591	AREA I - NON HAZ	0249	24.81	2010-05-17	005240	9435021-2	EPIX91429
2157	EPIU223392	AREA I - NON HAZ	0249	25.20	2010-05-17	005241	9435022-0	EPIX91429
2158	EPIU222297	AREA I - NON HAZ	0249	23.75	2010-05-17	005242	9435023-8	EPIX91429
2159	EPIU222532	AREA I - NON HAZ	0249	24.19	2010-05-17	005243	9435024-6	EPIX91448
2160	EPIU223225	AREA I - NON HAZ	0249	24.96	2010-05-17	005244	9435025-3	EPIX91429
2161	EPIU223334	AREA I - NON HAZ	0249	24.62	2010-05-17	005245	9435026-1	EPIX91448
2162	EPIU223409	AREA I - NON HAZ	0249	23.04	2010-05-17	005246	9435027-9	EPIX91448
2163	EPIU222389	Area I &C - NON HAZ	0249	25.17	2010-05-17	005247	9435028-7	EPIX91448
2164	EPIU222331	AREA I - NON HAZ	0249	24.62	2010-05-17	005248	9435029-5	EPIX91448
2165	EPIU223021	AREA I - NON HAZ	0249	23.41	2010-05-17	005249	9435030-3	EPIX91448
2166	EPIU223016	AREA I - NON HAZ	0249	17.66	2010-05-17	005250	9435031-1	EPIX91429
2167	EPIU223122	AREA D-NON HAZ	0249	27.17	2010-05-26	005251	9435032-9	EPIX91447
2168	EPIU223022	AREA D-NON HAZ	0249	26.67	2010-05-26	005252	9435033-7	EPIX91447
2169	EPIU223052	AREA D-NON HAZ	0249	27.05	2010-05-26	005253	9435034-5	EPIX91410
2170	EPIU222343	AREA D-NON HAZ	0249	26.14	2010-05-26	005254	9435035-2	EPIX91410
2171	EPIU222064	AREA D-NON HAZ	0249	24.58	2010-05-26	005255	9435036-0	EPIX91447
2172	EPIU222510	AREA D-NON HAZ	0249	25.46	2010-05-26	005256	9435037-8	EPIX91447
2173	EPIU223247	AREA D-NON HAZ	0250	24.55	2010-05-26	005257	9435038-6	EPIX91410
2174	EPIU222431	AREA D-NON HAZ	0250	23.45	2010-05-26	005258	9435039-4	EPIX91410
2175	EPIU223045	AREA D-NON HAZ	0250	25.21	2010-05-26	005259	9435040-2	EPIX91526
2176	EPIU223453	AREA D-NON HAZ	0250	22.58	2010-05-26	005260	9435041-0	EPIX91526
2177	EPIU222063	AREA D-NON HAZ	0250	21.07	2010-05-26	005261	9435042-8	EPIX91526
2178	EPIU223488	AREA D-NON HAZ	0250	22.24	2010-05-26	005262	9435043-6	EPIX91447
2179	EPIU222585	AREA D-NON HAZ	0250	21.91	2010-05-26	005263	9435044-4	EPIX91447
2180	EPIU222005	AREA D-NON HAZ	0250	21.40	2010-05-26	005264	9435045-1	EPIX91410
2181	EPIU222543	AREA D-NON HAZ	0250	21.87	2010-05-26	005265	9435046-9	EPIX91410

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
2182	EPIU222112	AREA D-NON HAZ	0250	24.73	2010-05-27	005266	9435047-7	EPIX91526
2183	EPIU223239	AREA D-NON HAZ	0250	24.97	2010-05-27	005267	9435048-5	EPIX91526
2184	EPIU223029	AREA D-NON HAZ	0250	24.60	2010-05-27	005268	9435049-3	EPIX91526
2185	EPIU222370	AREA D-NON HAZ	0250	24.68	2010-05-27	005269	9435050-1	EPIX91515
2186	EPIU223306	AREA D-NON HAZ	0250	25.00	2010-05-27	005270	9435051-9	EPIX91516
2187	EPIU222200	AREA D-NON HAZ	0250	24.96	2010-05-27	005271	9435052-7	EPIX91516
2188	EPIU222218	AREA D-NON HAZ	0250	24.42	2010-05-27	005272	9435053-5	EPIX91516
2189	EPIU223195	AREA D-NON HAZ	0250	24.97	2010-05-27	005273	9435054-3	EPIX91515
2190	EPIU222154	AREA D-NON HAZ	0250	25.12	2010-05-27	005274	9435055-0	EPIX91516
2191	EPIU223341	AREA D-NON HAZ	0251	25.20	2010-05-27	005275	9435056-8	EPIX91515
2192	EPIU223347	AREA D-NON HAZ	0251	25.55	2010-05-27	005276	9435057-6	EPIX91516
2193	EPIU222487	AREA D-NON HAZ	0251	24.56	2010-05-27	005277	9435058-4	EPIX91515
2194	EPIU222529	AREA D-NON HAZ	0251	25.75	2010-05-27	005278	9435059-2	EPIX91515
2195	EPIU222595	AREA D-NON HAZ	0251	25.05	2010-05-27	005279	9435060-0	EPIX91516
2196	EPIU222235	AREA D - HAZ	0252	25.58	2010-05-27	006044451JJK	9437877-5	EPIX91418
2197	EPIU222238	AREA D - HAZ	0252	26.04	2010-05-27	006044450JJK	9437876-7	EPIX91418
2198	EPIU222231	AREA D - HAZ	0252	25.16	2010-05-28	007496001JJK	9437878-3	EPIX91401
2199	EPIU222049	AREA D - HAZ	0252	23.34	2010-05-28	007496002JJK	9437879-1	EPIX91401
2200	EPIU222579	AREA D - HAZ	0252	25.98	2010-05-28	007496003JJK	9437880-9	EPIX91534
2201	EPIU222255	AREA D - HAZ	0252	24.97	2010-05-28	007496004JJK	9437881-7	EPIX91534
2202	EPIU222182	AREA D - HAZ	0252	25.33	2010-05-28	007496005JJK	9437882-5	EPIX91418
2203	EPIU222429	AREA D - HAZ	0252	24.47	2010-05-28	007496006JJK	9437883-3	EPIX91418
2204	EPIU222546	AREA D - HAZ	0252	24.25	2010-05-28	007496007JJK	9437884-1	EPIX91534
2205	EPIU222185	AREA D - HAZ	0252	24.31	2010-05-28	007496008JJK	9437885-8	EPIX91534
2206	EPIU222323	AREA D - HAZ	0252	24.72	2010-05-28	007496010JJK	9437887-4	EPIX91418
2207	EPIU222315	AREA D - HAZ	0252	24.41	2010-05-28	007496011JJK	9437888-2	EPIX91418
2208	EPIU222291	AREA D - HAZ	0252	24.73	2010-05-28	007496012JJK	9437889-0	EPIX91401
2209	EPIU222341	AREA D - HAZ	0252	25.13	2010-05-28	007496013JJK	9437890-8	EPIX91534
2210	EPIU222032	AREA D - HAZ	0252	24.44	2010-05-28	007496014JJK	9437891-6	EPIX91401
2211	EPIU222549	AREA D-NON HAZ	0253	24.95	2010-06-01	005280	9435061-8	EPIX91503
2212	EPIU222132	AREA D-NON HAZ	0253	25.68	2010-06-01	005281	9435062-6	EPIX91477
2213	EPIU223274	AREA D-NON HAZ	0253	25.61	2010-06-01	005282	9435063-4	EPIX91515
2214	EPIU223090	AREA D-NON HAZ	0253	23.61	2010-06-01	005283	9435066-7	EPIX91503
2215	EPIU223390	AREA D-NON HAZ	0253	25.77	2010-06-01	005284	9435064-2	EPIX91503
2216	EPIU222150	AREA D-NON HAZ	0253	24.73	2010-06-01	005285	9435065-9	EPIX91461
2217	EPIU223379	AREA D-NON HAZ	0253	24.90	2010-06-01	005286	9435067-5	EPIX91461
2218	EPIU222211	AREA D-NON HAZ	0253	25.61	2010-06-01	005287	9435068-3	EPIX91503
2219	EPIU223339	AREA D-NON HAZ	0253	25.85	2010-06-01	005288	9435069-1	EPIX91461
2220	EPIU223231	AREA D-NON HAZ	0253	25.43	2010-06-01	005289	9435070-9	EPIX91461
2221	EPIU223262	AREA D-NON HAZ	0253	25.04	2010-06-01	005290	9435071-7	EPIX91503
2222	EPIU222023	AREA D-NON HAZ	0253	25.33	2010-06-01	005291	9435072-5	EPIX91503
2223	EPIU223216	AREA D-NON HAZ	0253	26.01	2010-06-01	005292	9435073-3	EPIX91461
2224	EPIU223196	AREA D-NON HAZ	0253	25.20	2010-06-01	005293	9435074-1	EPIX91461
2225	EPIU222006	AREA D - HAZ	0254	23.84	2010-06-01	007496015JJK	9437892-4	EPIX91534
2226	EPIU222426	AREA D - HAZ	0254	22.64	2010-06-01	007496016JJK	9437893-2	EPIX91401
2227	EPIU222293	AREA D - HAZ	0254	25.81	2010-06-01	007496017JJK	9437894-0	EPIX91401
2228	EPIU223479	AREA D-NON HAZ	0253	25.14	2010-06-02	005294	9435075-8	EPIX91510
2229	EPIU223170	AREA D-NON HAZ	0253	26.07	2010-06-02	005295	9435076-6	EPIX91510
2230	EPIU223194	AREA D-NON HAZ	0253	25.27	2010-06-02	005296	9435077-4	EPIX91451
2231	EPIU223299	AREA D-NON HAZ	0253	24.88	2010-06-02	005297	9435078-2	EPIX91510
2232	EPIU223238	AREA D-NON HAZ	0255	24.48	2010-06-02	005298	9435079-0	EPIX91477
2233	EPIU223281	AREA D-NON HAZ	0255	25.56	2010-06-02	005299	9435080-8	EPIX91510
2234	EPIU223099	AREA D-NON HAZ	0255	24.30	2010-06-02	005300	9435081-6	EPIX91406
2235	EPIU223219	AREA D-NON HAZ	0255	24.64	2010-06-02	005301	9435082-4	EPIX91510
2236	EPIU222515	AREA D-NON HAZ	0255	24.68	2010-06-02	005302	9435083-2	EPIX91451
2237	EPIU223489	AREA D-NON HAZ	0255	25.26	2010-06-02	005303	9435084-0	EPIX91477
2238	EPIU223199	AREA D-NON HAZ	0255	24.69	2010-06-02	005304	9435085-7	EPIX91406
2239	EPIU223435	AREA D-NON HAZ	0255	24.77	2010-06-02	005305	9435086-5	EPIX91510
2240	EPIU222058	AREA D-NON HAZ	0255	25.43	2010-06-02	005306	9435087-3	EPIX91477

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
2241	EPIU223217	AREA D-NON HAZ	0255	24.37	2010-06-02	005307	9435088-1	EPIX91477
2242	EPIU223166	AREA D-NON HAZ	0255	25.04	2010-06-02	005308	9435089-9	EPIX91451
2243	EPIU222403	AREA D-NON HAZ	0255	25.24	2010-06-02	005309	9435090-7	EPIX91451
2244	EPIU222418	AREA D-NON HAZ	0255	24.70	2010-06-02	005310	9435091-5	EPIX91406
2245	EPIU222306	AREA D - HAZ	0254	23.99	2010-06-03	007496018JJK	9437895-7	EPIX91521
2246	EPIU222598	AREA D - HAZ	0254	24.70	2010-06-03	007496019JJK	9437896-5	EPIX91521
2247	EPIU222319	AREA D - HAZ	0254	24.59	2010-06-03	007496020JJK	9437897-3	EPIX91497
2248	EPIU222436	AREA D - HAZ	0254	26.63	2010-06-03	007496021JJK	9437898-1	EPIX91497
2249	EPIU222171	AREA D - HAZ	0254	25.27	2010-06-03	007496022JJK	9437899-9	EPIX91521
2250	EPIU222081	AREA D - HAZ	0254	25.67	2010-06-03	007496023JJK	9437900-5	EPIX91521
2251	EPIU222537	AREA D - HAZ	0254	26.75	2010-06-03	007496024JJK	9437901-3	EPIX91497
2252	EPIU222167	AREA D - HAZ	0254	25.15	2010-06-03	007496025JJK	9437902-1	EPIX91497
2253	EPIU222393	AREA D - HAZ	0254	25.14	2010-06-03	007496026JJK	9437903-9	EPIX91474
2254	EPIU222012	AREA D - HAZ	0254	23.27	2010-06-03	007496009JJK	9427886-6	EPIX91474
2255	EPIU222308	AREA D - HAZ	0254	24.82	2010-06-03	007496027JJK	9437904-7	EPIX91474
2256	EPIU222365	AREA D - HAZ	0254	22.70	2010-06-03	007496028JJK	9437905-4	EPIX91439
2257	EPIU222317	AREA D - HAZ	0254	24.32	2010-06-03	007496029JJK	9437906-2	EPIX91439
2258	EPIU222089	AREA D - HAZ	0254	23.34	2010-06-03	007496030JJK	9437907-0	EPIX91439
2259	EPIU222190	AREA D - HAZ	0254	22.48	2010-06-03	007496031JJK	9437908-8	EPIX91439
2260	EPIU222157	AREA D - HAZ	0256	22.45	2010-06-03	007496032JJK	9437909-6	EPIX91474
2261	EPIU222246	AREA D - HAZ	0256	22.97	2010-06-03	007496033JJK	9437910-4	EPIX91474
2262	EPIU222048	AREA D - HAZ	0256	23.25	2010-06-03	007496034JJK	9437911-2	EPIX91521
2263	EPIU222463	AREA D-NON HAZ	0255	23.47	2010-06-03	005311	9435092-3	EPIX91477
2264	EPIU223308	AREA D-NON HAZ	0255	22.70	2010-06-03	005312	9435093-1	EPIX91451
2265	EPIU223025	AREA D-NON HAZ	0255	23.23	2010-06-03	005313	9435094-9	EPIX91451
2266	EPIU223250	AREA D-NON HAZ	0255	23.32	2010-06-03	005314	9435095-6	EPIX91406
2267	EPIU223475	AREA D-NON HAZ	0255	23.82	2010-06-03	005315	9435096-4	EPIX91468
2268	EPIU223356	AREA D-NON HAZ	0255	23.50	2010-06-03	005316	9435097-2	EPIX91468
2269	EPIU223340	AREA D - HAZ	0256	21.12	2010-06-04	007496035JJK	9437912-0	EPIX91521
2270	EPIU222416	AREA D - HAZ	0256	23.10	2010-06-04	007496036JJK	9437913-8	EPIX91497
2271	EPIU222041	AREA D - HAZ	0256	24.23	2010-06-04	007496037JJK	9437914-6	EPIX91497
2272	EPIU222101	AREA D - HAZ	0256	23.51	2010-06-04	007496038JJK	9437915-3	EPIX91474
2273	EPIU222597	AREA D - HAZ	0256	24.00	2010-06-04	007496039JJK	9437916-1	EPIX91439
2274	EPIU223049	AREA D - HAZ	0256	23.68	2010-06-04	007496040JJK	9437917-9	EPIX91439
2275	EPIU222568	AREA D-NON HAZ	0255	21.16	2010-06-04	005317	9435098-0	EPIX91512
2276	EPIU222534	AREA D-NON HAZ	0255	23.17	2010-06-04	005318	9435099-8	EPIX91470
2277	EPIU222531	AREA D-NON HAZ	0255	24.38	2010-06-04	005319	9435100-4	EPIX91512
2278	EPIU223121	AREA D-NON HAZ	0255	23.58	2010-06-04	005320	9435101-2	EPIX91470
2279	EPIU222465	AREA D-NON HAZ	0255	23.00	2010-06-04	005321	9435102-0	EPIX91468
2280	EPIU223242	AREA D-NON HAZ	0255	22.43	2010-06-04	005322	9435103-8	EPIX91468
2281	EPIU223381	AREA D-NON HAZ	0255	23.37	2010-06-04	005323	9435104-6	EPIX91470
2282	EPIU223397	AREA D-NON HAZ	0255	23.67	2010-06-04	005324	9435105-3	EPIX91512
2283	EPIU223260	AREA D-NON HAZ	0255	24.09	2010-06-04	005325	9435106-1	EPIX91468
2284	EPIU223065	AREA D-NON HAZ	0255	24.40	2010-06-04	005326	9435107-9	EPIX91468
2285	EPIU223212	AREA D-NON HAZ	0255	23.01	2010-06-04	005327	9435108-7	EPIX91406
2286	EPIU223295	AREA D-NON HAZ	0255	24.91	2010-06-04	005328	9435109-5	EPIX91406
2287	EPIU223345	AREA D-NON HAZ	0257	25.19	2010-06-07	005329	9435110-3	EPIX91512
2288	EPIU222027	AREA D-NON HAZ	0257	23.37	2010-06-07	005330	9435111-1	EPIX91470
2289	EPIU222450	AREA D-NON HAZ	0257	24.37	2010-06-07	005331	9435112-9	EPIX91470
2290	EPIU223156	AREA D-NON HAZ	0257	25.38	2010-06-07	005332	9435113-7	EPIX91435
2291	EPIU222406	AREA D-NON HAZ	0257	24.39	2010-06-07	005333	9435114-5	EPIX91435
2292	EPIU223066	AREA D-NON HAZ	0257	24.18	2010-06-07	005334	9435115-2	EPIX91413
2293	EPIU222326	AREA D-NON HAZ	0257	24.85	2010-06-07	005335	9435116-0	EPIX91413
2294	EPIU223062	AREA D-NON HAZ	0257	23.56	2010-06-07	005336	9435487-5	EPIX91413
2295	EPIU222151	AREA D-NON HAZ	0257	24.72	2010-06-07	005337	9435488-3	EPIX91413
2296	EPIU223378	AREA D-NON HAZ	0257	25.05	2010-06-07	005338	9435489-1	EPIX91435
2297	EPIU222143	AREA D-NON HAZ	0257	24.12	2010-06-07	005339	9435490-9	EPIX91435
2298	EPIU223109	AREA D-NON HAZ	0257	23.28	2010-06-07	005340	9435491-7	EPIX91487
2299	EPIU222033	AREA D-NON HAZ	0257	24.78	2010-06-07	005341	9435365-3	EPIX91435

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
2300	EPIU223168	AREA D-NON HAZ	0257	24.40	2010-06-07	005342	9435366-1	EPIX91435
2301	EPIU222169	AREA D-NON HAZ	0257	25.08	2010-06-07	005343	9435367-9	EPIX91512
2302	EPIU222008	AREA D-NON HAZ	0257	24.73	2010-06-07	005344	9435368-7	EPIX91512
2303	EPIU222152	AREA D-NON HAZ	0257	25.29	2010-06-07	005345	9435369-5	EPIX91470
2304	EPIU222556	AREA D-NON HAZ	0257	22.23	2010-06-08	005346	9435370-3	EPIX91455
2305	EPIU223293	AREA D-NON HAZ	0258	23.78	2010-06-08	005347	9435371-1	EPIX91455
2306	EPIU222206	AREA D-NON HAZ	0258	23.98	2010-06-08	005348	9435372-9	EPIX91487
2307	EPIU223385	AREA D-NON HAZ	0258	22.40	2010-06-08	005349	9435373-7	EPIX91433
2308	EPIU222399	AREA D-NON HAZ	0258	25.31	2010-06-08	005350	9435374-5	EPIX91476
2309	EPIU223290	AREA D-NON HAZ	0258	22.97	2010-06-08	005351	9435375-2	EPIX91487
2310	EPIU222358	AREA D-NON HAZ	0258	23.90	2010-06-08	005352	9435376-0	EPIX91487
2311	EPIU223313	AREA D-NON HAZ	0258	24.89	2010-06-08	005353	9435377-8	EPIX91487
2312	EPIU222178	AREA D-NON HAZ	0258	24.36	2010-06-08	005354	9435378-6	EPIX91413
2313	EPIU223371	AREA D-NON HAZ	0258	25.77	2010-06-08	005355	9435379-4	EPIX91413
2314	EPIU223421	AREA D-NON HAZ	0258	24.04	2010-06-08	005356	9435380-2	EPIX91455
2315	EPIU223030	AREA D-NON HAZ	0258	25.24	2010-06-08	005357	9435381-0	EPIX91475
2316	EPIU222179	AREA D-NON HAZ	0258	23.97	2010-06-08	005358	9435382-8	EPIX91433
2317	EPIU223259	AREA D-NON HAZ	0258	25.55	2010-06-08	005359	9435383-6	EPIX91501
2318	EPIU223034	AREA D-NON HAZ	0258	25.01	2010-06-08	005360	9435384-4	EPIX91476
2319	EPIU223396	AREA D-NON HAZ	0258	26.27	2010-06-08	005361	9435385-1	EPIX91487
2320	EPIU222305	AREA D - HAZ	0259	23.77	2010-06-09	007496041JJK	9437918-7	EPIX91507
2321	EPIU222432	AREA D - HAZ	0259	24.75	2010-06-09	007496042JJK	9437919-5	EPIX91507
2322	EPIU222210	AREA D - HAZ	0259	24.83	2010-06-09	007496043JJK	9437920-3	EPIX91507
2323	EPIU222511	AREA D - HAZ	0259	25.97	2010-06-09	007496044JJK	9437921-1	EPIX91507
2324	EPIU222289	AREA D - HAZ	0259	24.38	2010-06-09	007496045JJK	9437922-9	EPIX91422
2325	EPIU222298	AREA D - HAZ	0259	24.67	2010-06-09	007496046JJK	9437923-7	EPIX91422
2326	EPIU222561	AREA D - HAZ	0259	24.87	2010-06-09	007496047JJK	9437924-5	EPIX91471
2327	EPIU222476	AREA D - HAZ	0259	23.62	2010-06-09	007496048JJK	9437925-2	EPIX91471
2328	EPIU222395	AREA D - HAZ	0259	24.18	2010-06-09	007496049JJK	9437926-0	EPIX91471
2329	EPIU222415	AREA D - HAZ	0259	22.44	2010-06-09	007496050JJK	9437927-8	EPIX91471
2330	EPIU223431	AREA D - HAZ	0259	25.48	2010-06-09	007496051JJK	9437928-6	EPIX91422
2331	EPIU222062	AREA D - HAZ	0259	24.57	2010-06-09	007496052JJK	9437929-4	EPIX91422
2332	EPIU223208	AREA D - HAZ	0259	23.98	2010-06-09	007496053JJK	9437930-2	EPIX91507
2333	EPIU222111	AREA D - HAZ	0259	22.92	2010-06-09	007496054JJK	9437931-0	EPIX91507
2334	EPIU222264	AREA D - HAZ	0259	23.28	2010-06-09	007496055JJK	9437932-8	EPIX91471
2335	EPIU222300	AREA D - HAZ	0259	24.25	2010-06-09	007496056JJK	9437933-6	EPIX91471
2336	EPIU222562	AREA D - HAZ	0259	22.92	2010-06-09	007496057JJK	9437934-4	EPIX91422
2337	EPIU222303	AREA D - HAZ	0259	23.65	2010-06-09	007496058JJK	9437935-1	EPIX91422
2338	EPIU222244	AREA D-NON HAZ	0258	25.73	2010-06-10	005401	9435401-6	EPIX91433
2339	EPIU223472	AREA D-NON HAZ	0258	25.45	2010-06-10	005402	9435402-4	EPIX91433
2340	EPIU223258	AREA D-NON HAZ	0258	25.48	2010-06-10	005403	9435403-2	EPIX91452
2341	EPIU223232	AREA D-NON HAZ	0260	24.38	2010-06-10	005404	9435404-0	EPIX91475
2342	EPIU223331	AREA D-NON HAZ	0260	24.87	2010-06-10	005405	9435405-7	EPIX91452
2343	EPIU222208	AREA D-NON HAZ	0260	23.98	2010-06-10	005406	9435406-5	EPIX91455
2344	EPIU223215	AREA D-NON HAZ	0260	25.40	2010-06-10	005407	9435407-3	EPIX91455
2345	EPIU223413	AREA D-NON HAZ	0260	24.36	2010-06-10	005408	9435408-1	EPIX91455
2346	EPIU223364	AREA D-NON HAZ	0260	24.34	2010-06-10	005409	9435409-9	EPIX91475
2347	EPIU223304	AREA D-NON HAZ	0260	24.78	2010-06-10	005410	9435410-7	EPIX91452
2348	EPIU223200	AREA D-NON HAZ	0260	23.85	2010-06-10	005411	9435411-5	EPIX91475
2349	EPIU223105	AREA D-NON HAZ	0260	24.04	2010-06-10	005412	9435412-3	EPIX91475
2350	EPIU222310	AREA D-NON HAZ	0260	24.18	2010-06-10	005413	9435413-1	EPIX91476
2351	EPIU223270	AREA D-NON HAZ	0260	24.47	2010-06-10	005414	9435414-9	EPIX91476
2352	EPIU223084	AREA D-NON HAZ	0260	24.43	2010-06-10	005437	9435437-0	EPIX91476
2353	EPIU222344	AREA D-NON HAZ	0260	24.19	2010-06-10	005438	9435438-8	EPIX91476
2354	EPIU223221	AREA D-NON HAZ	0260	26.32	2010-06-11	005439	9435439-6	EPIX91501
2355	EPIU222044	AREA D-NON HAZ	0260	25.13	2010-06-11	005440	9435440-4	EPIX91501
2356	EPIU223050	AREA D-NON HAZ	0260	25.60	2010-06-11	005441	9435441-2	EPIX91501
2357	EPIU223486	AREA D-NON HAZ	0260	24.89	2010-06-11	005442	9435442-0	EPIX91501
2358	EPIU223301	AREA D-NON HAZ	0260	23.22	2010-06-11	005443	9435443-8	EPIX91501

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
2359	EPIU223461	AREA D-NON HAZ	0261	24.99	2010-06-14	005444	9435444-6	EPIX91420
2360	EPIU222269	AREA D-NON HAZ	0261	25.99	2010-06-14	005445	9435445-3	EPIX91458
2361	EPIU223316	AREA D-NON HAZ	0261	25.86	2010-06-14	005446	9435446-1	EPIX91458
2362	EPIU223110	AREA D-NON HAZ	0261	22.12	2010-06-14	005447	9435447-9	EPIX91458
2363	EPIU222080	AREA D-NON HAZ	0261	25.29	2010-06-14	005448	9435448-7	EPIX91458
2364	EPIU223149	AREA D-NON HAZ	0261	24.75	2010-06-14	005449	9435449-5	EPIX91419
2365	EPIU223333	AREA D-NON HAZ	0261	24.26	2010-06-14	005450	9435450-3	EPIX91420
2366	EPIU223134	AREA D-NON HAZ	0261	24.28	2010-06-14	005451	9435451-1	EPIX91419
2367	EPIU223359	AREA D-NON HAZ	0261	24.33	2010-06-14	005452	9435452-9	EPIX91420
2368	EPIU222054	AREA D-NON HAZ	0261	24.70	2010-06-14	005453	9435453-7	EPIX91458
2369	EPIU223085	AREA D-NON HAZ	0261	24.62	2010-06-14	005454	9435454-5	EPIX91420
2370	EPIU223048	AREA D-NON HAZ	0261	25.21	2010-06-14	005455	9435455-2	EPIX91420
2371	EPIU223454	AREA D-NON HAZ	0261	24.56	2010-06-14	005456	9435456-0	EPIX91458
2372	EPIU223146	AREA D-NON HAZ	0261	25.54	2010-06-14	005457	9435457-8	EPIX91420
2373	EPIU222371	AREA D-NON HAZ	0261	24.46	2010-06-14	005458	9435458-6	EPIX91419
2374	EPIU223440	AREA D-NON HAZ	0261	25.43	2010-06-14	005459	9435459-4	EPIX91452
2375	EPIU223167	AREA D-NON HAZ	0261	24.54	2010-06-14	005460	9435460-2	EPIX91452
2376	EPIU222516	AREA D-NON HAZ	0261	24.15	2010-06-15	005461	9435461-0	EPIX91419
2377	EPIU222378	AREA D-NON HAZ	0262	23.94	2010-06-15	005462	9435462-8	EPIX91419
2378	EPIU223428	AREA D-NON HAZ	0262	25.71	2010-06-15	005463	9435463-6	EPIX91452
2379	EPIU223246	AREA D-NON HAZ	0262	25.60	2010-06-15	005464	9435464-4	EPIX91419
2380	EPIU223229	AREA D-NON HAZ	0262	25.24	2010-06-15	005465	9435465-1	EPIX91498
2381	EPIU223452	AREA D-NON HAZ	0262	24.91	2010-06-15	005466	9435466-9	EPIX91532
2382	EPIU223285	AREA D-NON HAZ	0262	24.90	2010-06-15	005467	9435467-7	EPIX91532
2383	EPIU222153	AREA D-NON HAZ	0262	25.15	2010-06-15	005468	9435468-5	EPIX91532
2384	EPIU222369	AREA D-NON HAZ	0262	26.29	2010-06-15	005469	9435469-3	EPIX91532
2385	EPIU223307	AREA D-NON HAZ	0262	23.28	2010-06-15	005470	9435470-1	EPIX91498
2386	EPIU223477	AREA D-NON HAZ	0262	24.56	2010-06-15	005471	9435471-9	EPIX91498
2387	EPIU223145	AREA D-NON HAZ	0262	24.91	2010-06-15	005472	9435472-7	EPIX91498
2388	EPIU222352	AREA D-NON HAZ	0262	25.02	2010-06-15	005473	9435473-5	EPIX91433
2389	EPIU222586	AREA D-NON HAZ	0262	23.92	2010-06-15	005474	9435474-3	EPIX91433
2390	EPIU222098	AREA D-NON HAZ	0262	23.91	2010-06-15	005475	9435475-0	EPIX91475
2391	EPIU222281	AREA D-NON HAZ	0262	25.24	2010-06-16	005476	9435476-8	EPIX91498
2392	EPIU222575	AREA D-NON HAZ	0262	25.59	2010-06-16	005477	9435477-6	EPIX91490
2393	EPIU222492	AREA D-NON HAZ	0262	24.57	2010-06-16	005478	9435478-4	EPIX91484
2394	EPIU223139	AREA D-NON HAZ	0262	24.56	2010-06-16	005479	9435479-2	EPIX91490
2395	EPIU222350	AREA D-NON HAZ	0263	24.00	2010-06-16	005480	9435480-0	EPIX91484
2396	EPIU222030	AREA D-NON HAZ	0263	24.30	2010-06-16	005481	9435481-8	EPIX91411
2397	EPIU223023	AREA D-NON HAZ	0263	24.32	2010-06-16	005482	9435482-6	EPIX91490
2398	EPIU222159	AREA D-NON HAZ	0263	24.47	2010-06-16	005483	9435483-4	EPIX91490
2399	EPIU223175	AREA D-NON HAZ	0263	26.13	2010-06-16	005484	9435484-2	EPIX91484
2400	EPIU223445	AREA D-NON HAZ	0263	25.48	2010-06-16	005485	9435485-9	EPIX91484
2401	EPIU222275	AREA D-NON HAZ	0263	23.71	2010-06-16	005486	9435486-7	EPIX91411
2402	EPIU223256	AREA D-NON HAZ	0263	25.01	2010-06-16	005492	9435492-5	EPIX91532
2403	EPIU222002	AREA D-NON HAZ	0263	24.42	2010-06-16	005493	9435493-3	EPIX91498
2404	EPIU222160	AREA D-NON HAZ	0263	24.35	2010-06-16	005494	9435494-1	EPIX91532
2405	EPIU223422	AREA D-NON HAZ	0263	24.94	2010-06-16	005495	9435495-8	EPIX91411
2406	EPIU222457	AREA D-NON HAZ	0263	24.97	2010-06-16	005496	9435496-6	EPIX91411
2407	EPIU223039	AREA D-NON HAZ	0263	25.16	2010-06-17	005497	9435497-4	EPIX91429
2408	EPIU222313	AREA D-NON HAZ	0263	25.02	2010-06-17	005498	9435498-2	EPIX91456
2409	EPIU222496	AREA D-NON HAZ	0263	24.50	2010-06-17	005499	9435499-0	EPIX91490
2410	EPIU223408	AREA D-NON HAZ	0263	23.70	2010-06-17	005500	9435500-5	EPIX91490
2411	EPIU222391	AREA D-NON HAZ	0263	25.10	2010-06-17	005601	9435601-1	EPIX91484
2412	EPIU222195	AREA D-NON HAZ	0263	26.12	2010-06-17	005602	9435602-9	EPIX91484
2413	EPIU223095	AREA D-NON HAZ	0264	24.55	2010-06-17	005603	9435603-7	EPIX91411
2414	EPIU222348	AREA D-NON HAZ	0264	24.46	2010-06-17	005604	9435604-5	EPIX91411
2415	EPIU222214	AREA D-NON HAZ	0264	25.68	2010-06-17	005605	9435605-2	EPIX91493
2416	EPIU223350	AREA D-NON HAZ	0264	24.19	2010-06-17	005606	9435606-0	EPIX91493
2417	EPIU222573	AREA D-NON HAZ	0264	24.05	2010-06-17	005607	9435607-8	EPIX91493

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
2418	EPIU222447	AREA D-NON HAZ	0264	25.60	2010-06-17	005608	9435608-6	EPIX91493
2419	EPIU222003	AREA D-NON HAZ	0264	24.98	2010-06-17	005609	9435609-4	EPIX91429
2420	EPIU223053	AREA D-NON HAZ	0264	25.64	2010-06-17	005610	9435610-2	EPIX91456
2421	EPIU222353	AREA D-NON HAZ	0264	26.02	2010-06-17	005611	9435611-0	EPIX91456
2422	EPIU222162	AREA D-NON HAZ	0264	25.21	2010-06-17	005612	9435612-8	EPIX91493
2423	EPIU223257	AREA D-NON HAZ	0264	24.49	2010-06-18	005613	9435613-6	EPIX91410
2424	EPIU222566	AREA D-NON HAZ	0264	25.11	2010-06-18	005614	9435614-4	EPIX91537
2425	EPIU222170	AREA D-NON HAZ	0265	24.16	2010-06-21	005615	9435615-1	EPIX91429
2426	EPIU223123	AREA D-NON HAZ	0265	27.48	2010-06-21	005616	9435616-9	EPIX91456
2427	EPIU223150	AREA D-NON HAZ	0265	25.49	2010-06-21	005617	9435617-7	EPIX91456
2428	EPIU222196	AREA D-NON HAZ	0265	26.44	2010-06-21	005618	9435618-5	EPIX91429
2429	EPIU223399	AREA D-NON HAZ	0265	25.53	2010-06-21	005619	9435619-3	EPIX91456
2430	EPIU222407	AREA D-NON HAZ	0265	23.63	2010-06-21	005620	9435620-1	EPIX91429
2431	EPIU222445	AREA D-NON HAZ	0265	21.83	2010-06-21	005621	9435621-9	EPIX91493
2432	EPIU222468	AREA D-NON HAZ	0265	19.60	2010-06-21	005622	9435622-7	EPIX91493
2433	EPIU222221	AREA D-NON HAZ	0265	22.45	2010-06-21	005623	9435623-5	EPIX91537
2434	EPIU222095	AREA D-NON HAZ	0265	21.80	2010-06-21	005624	9435624-3	EPIX91447
2435	EPIU222459	AREA D-NON HAZ	0265	23.61	2010-06-21	005625	9435625-0	EPIX91447
2436	EPIU223153	AREA D-NON HAZ	0265	24.62	2010-06-21	005626	9435626-8	EPIX91537
2437	EPIU222453	AREA D-NON HAZ	0265	22.73	2010-06-21	005627	9435627-6	EPIX91447
2438	EPIU222223	AREA D-NON HAZ	0265	24.45	2010-06-21	005628	9435628-4	EPIX91447
2439	EPIU222147	AREA D-NON HAZ	0265	23.89	2010-06-21	005629	9435629-2	EPIX91410
2440	EPIU222164	AREA D-NON HAZ	0265	21.17	2010-06-21	005630	9435630-0	EPIX91410
2441	EPIU223228	AREA D-NON HAZ	0265	23.52	2010-06-22	005631	9435631-8	EPIX91426
2442	EPIU222241	AREA D-NON HAZ	0265	23.69	2010-06-22	005632	9435632-6	EPIX91426
2443	EPIU222184	AREA D-NON HAZ	0266	22.86	2010-06-22	005633	9435633-4	EPIX91538
2444	EPIU222488	AREA D-NON HAZ	0266	22.49	2010-06-22	005634	9435634-2	EPIX91538
2445	EPIU222123	AREA D-NON HAZ	0266	24.74	2010-06-22	005635	9435635-9	EPIX91537
2446	EPIU223311	AREA D-NON HAZ	0266	24.07	2010-06-22	005636	9435636-7	EPIX91537
2447	EPIU223430	AREA D-NON HAZ	0266	22.76	2010-06-22	005637	9435637-5	EPIX91447
2448	EPIU222142	AREA D-NON HAZ	0266	24.20	2010-06-22	005638	9435638-3	EPIX91447
2449	EPIU223269	AREA D-NON HAZ	0266	22.86	2010-06-22	005639	9435639-1	EPIX91410
2450	EPIU222451	AREA D-NON HAZ	0266	22.84	2010-06-22	005640	9435640-9	EPIX91410
2451	EPIU223164	AREA D-NON HAZ	0266	22.70	2010-06-22	005641	9435641-7	EPIX91537
2452	EPIU222572	AREA D-NON HAZ	0266	23.65	2010-06-22	005642	9435642-5	EPIX91426
2453	EPIU223076	AREA D-NON HAZ	0266	23.18	2010-06-22	005643	9435643-3	EPIX91508
2454	EPIU223456	AREA D-NON HAZ	0266	23.96	2010-06-22	005644	9435644-1	EPIX91448
2455	EPIU223088	AREA D-NON HAZ	0266	23.51	2010-06-22	005645	9435645-8	EPIX91508
2456	EPIU222192	AREA D-NON HAZ	0266	24.57	2010-06-22	005646	9435646-6	EPIX91448
2457	EPIU223124	AREA D-NON HAZ	0266	23.11	2010-06-23	005647	9435387-7	EPIX91538
2458	EPIU222009	AREA D-NON HAZ	0266	22.48	2010-06-23	005648	9435388-5	EPIX91538
2459	EPIU222042	AREA D-NON HAZ	0266	23.85	2010-06-23	005649	9435389-3	EPIX91426
2460	EPIU222491	AREA D-NON HAZ	0266	22.90	2010-06-23	005650	9435390-1	EPIX91426
2461	EPIU222394	AREA D-NON HAZ	0267	22.61	2010-06-23	005651	9435391-9	EPIX91508
2462	EPIU222522	AREA D-NON HAZ	0267	24.45	2010-06-23	005652	9435392-7	EPIX91508
2463	EPIU223096	AREA D-NON HAZ	0267	25.24	2010-06-23	005653	9435393-5	EPIX91448
2464	EPIU222550	AREA D-NON HAZ	0267	24.96	2010-06-23	005654	9435394-3	EPIX91448
2465	EPIU223012	AREA D-NON HAZ	0267	25.41	2010-06-23	005655	9435395-0	EPIX91538
2466	EPIU223218	AREA D-NON HAZ	0267	26.08	2010-06-23	005656	9435396-8	EPIX91538
2467	EPIU223227	AREA D-NON HAZ	0267	25.65	2010-06-23	005657	9435397-6	EPIX91426
2468	EPIU222340	AREA D-NON HAZ	0267	25.31	2010-06-23	005658	9435398-4	EPIX91410
2469	EPIU223130	AREA D-NON HAZ	0267	24.31	2010-06-23	005659	9435399-2	EPIX91448
2470	EPIU223487	AREA D-NON HAZ	0267	28.29	2010-06-23	005660	9435400-8	EPIX91448
2471	EPIU223416	AREA D-NON HAZ	0267	25.80	2010-06-23	005661	9435501-3	EPIX91508
2472	EPIU223297	AREA D-NON HAZ	0267	24.39	2010-06-23	005662	9435502-1	EPIX91508
2473	EPIU223282	AREA D-NON HAZ	0267	23.59	2010-07-06	005663	9435503-9	EPIX91401
2474	EPIU223133	AREA D-NON HAZ	0267	22.28	2010-07-06	005664	9435504-7	EPIX91461
2475	EPIU223321	AREA D-NON HAZ	0267	23.56	2010-07-06	005665	9435505-4	EPIX91401
2476	EPIU223075	AREA D-NON HAZ	0267	22.03	2010-07-06	005666	9435506-2	EPIX91503

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
2477	EPIU222591	AREA D-NON HAZ	0267	23.04	2010-07-06	005667	9435507-0	EPIX91503
2478	EPIU223375	AREA D-NON HAZ	0267	24.25	2010-07-06	005668	9435508-8	EPIX91461
2479	EPIU223122	AREA D-NON HAZ	0268	26.54	2010-07-06	005669	9435509-6	EPIX91461
2480	EPIU223046	AREA D-NON HAZ	0268	25.11	2010-07-06	005670	9435510-4	EPIX91401
2481	EPIU222064	AREA D-NON HAZ	0268	26.05	2010-07-06	005671	9435511-2	EPIX91401
2482	EPIU222100	AREA D-NON HAZ	0268	24.01	2010-07-06	005672	9435512-0	EPIX91503
2483	EPIU223247	AREA D-NON HAZ	0268	23.91	2010-07-06	005673	9435513-8	EPIX91503
2484	EPIU222431	AREA D-NON HAZ	0268	23.36	2010-07-06	005674	9435514-6	EPIX91503
2485	EPIU223135	AREA D-NON HAZ	0268	24.00	2010-07-06	005675	9435515-3	EPIX91503
2486	EPIU223338	AREA D-NON HAZ	0268	22.94	2010-07-06	005676	9435516-1	EPIX91401
2487	EPIU223495	AREA D-NON HAZ	0268	24.59	2010-07-06	005677	9435517-9	EPIX91461
2488	EPIU222343	AREA D-NON HAZ	0268	24.19	2010-07-06	005678	9435518-7	EPIX91401
2489	EPIU223263	AREA D-NON HAZ	0268	23.37	2010-07-06	005679	9435519-5	EPIX91461
2490	EPIU223143	AREA D-NON HAZ	0268	24.64	2010-07-06	005680	9435520-3	EPIX91461
2491	EPIU222290	AREA D-NON HAZ	0268	23.88	2010-07-07	005681	9435521-1	EPIX91515
2492	EPIU222297	AREA D-NON HAZ	0268	24.02	2010-07-07	005682	9435522-9	EPIX91515
2493	EPIU223021	AREA D-NON HAZ	0268	24.91	2010-07-07	005683	9435523-7	EPIX91515
2494	EPIU222455	AREA D-NON HAZ	0268	25.61	2010-07-07	005684	9435524-5	EPIX91515
2495	EPIU223058	AREA D-NON HAZ	0268	24.39	2010-07-07	005685	9435525-2	EPIX91515
2496	EPIU222389	AREA D-NON HAZ	0268	26.27	2010-07-07	005686	9435526-0	EPIX91515
2497	EPIU223148	AREA D-NON HAZ	0269	24.64	2010-07-07	005687	9435527-8	EPIX91516
2498	EPIU222219	AREA D-NON HAZ	0269	23.41	2010-07-07	005688	9435528-6	EPIX91516
2499	EPIU223190	AREA D-NON HAZ	0269	24.31	2010-07-07	005689	9435529-4	EPIX91516
2500	EPIU222249	AREA D-NON HAZ	0269	20.92	2010-07-07	005690	9435530-2	EPIX91516
2501	EPIU223306	AREA D-NON HAZ	0269	24.08	2010-07-07	005691	9435531-0	EPIX91516
2502	EPIU223197	AREA D-NON HAZ	0269	23.50	2010-07-07	005692	9435532-8	EPIX91516
2503	EPIU223347	AREA D-NON HAZ	0269	23.42	2010-07-07	005693	9435533-6	EPIX91523
2504	EPIU223195	AREA D-NON HAZ	0269	24.37	2010-07-07	005694	9435534-4	EPIX91523
2505	EPIU223081	AREA D-NON HAZ	0269	23.43	2010-07-07	005695	9435535-1	EPIX91523
2506	EPIU222370	AREA D-NON HAZ	0269	24.63	2010-07-07	005696	9435536-9	EPIX91523
2507	EPIU222529	AREA D-NON HAZ	0269	23.86	2010-07-07	005697	9435547-6	EPIX91523
2508	EPIU222154	AREA D-NON HAZ	0269	22.86	2010-07-07	005698	9435548-4	EPIX91523
2509	EPIU223309	AREA D-NON HAZ	0269	23.04	2010-07-08	005699	9435549-2	EPIX91526
2510	EPIU222595	AREA D-NON HAZ	0269	23.25	2010-07-08	005700	9435550-0	EPIX91526
2511	EPIU222200	AREA D-NON HAZ	0269	21.28	2010-07-08	005701	9435551-8	EPIX91526
2512	EPIU222218	AREA D-NON HAZ	0269	21.86	2010-07-08	005702	9435552-6	EPIX91526
2513	EPIU223429	AREA D-NON HAZ	0269	22.56	2010-07-08	005703	9435553-4	EPIX91526
2514	EPIU222487	AREA D-NON HAZ	0269	24.33	2010-07-08	005704	9435554-2	EPIX91526
2515	EPIU222585	AREA D-NON HAZ	0270	24.23	2010-07-08	005705	9435555-9	EPIX91451
2516	EPIU223104	AREA D-NON HAZ	0270	23.23	2010-07-08	005706	9435556-7	EPIX91451
2517	EPIU223225	AREA D-NON HAZ	0270	25.27	2010-07-08	005707	9435557-5	EPIX91451
2518	EPIU222266	AREA D-NON HAZ	0270	25.10	2010-07-08	005708	9435558-3	EPIX91451
2519	EPIU222403	AREA D-NON HAZ	0270	24.29	2010-07-08	005709	9435559-1	EPIX91451
2520	EPIU223379	AREA D-NON HAZ	0270	23.90	2010-07-08	005710	9435560-9	EPIX91451
2521	EPIU223166	AREA D-NON HAZ	0270	23.40	2010-07-08	005711	9435561-7	EPIX91534
2522	EPIU222549	AREA D-NON HAZ	0270	25.17	2010-07-08	005712	9435562-5	EPIX91534
2523	EPIU223052	AREA D-NON HAZ	0270	23.54	2010-07-08	005713	9435563-3	EPIX91534
2524	EPIU222023	AREA D-NON HAZ	0270	25.00	2010-07-08	005714	9435564-1	EPIX91534
2525	EPIU223308	AREA D-NON HAZ	0270	25.32	2010-07-08	005715	9435565-8	EPIX91510
2526	EPIU223194	AREA D-NON HAZ	0270	24.32	2010-07-09	005716	9435566-6	EPIX91510
2527	EPIU223025	AREA D-NON HAZ	0270	22.72	2010-07-09	005717	9435567-4	EPIX91477
2528	EPIU223029	AREA D-NON HAZ	0270	24.52	2010-07-09	005718	9435568-2	EPIX91477
2529	EPIU223239	AREA D-NON HAZ	0270	24.02	2010-07-09	005719	9435569-0	EPIX91468
2530	EPIU222569	AREA D-NON HAZ	0270	23.45	2010-07-09	005720	9435570-8	EPIX91468
2531	EPIU222156	AREA D-NON HAZ	0270	21.77	2010-07-09	005721	9435571-6	EPIX91521
2532	EPIU222543	AREA D-NON HAZ	0270	24.16	2010-07-09	005722	9435572-4	EPIX91521
2533	EPIU222510	AREA D-NON HAZ	0271	23.95	2010-07-09	005723	9435573-2	EPIX91534
2534	EPIU222150	AREA D-NON HAZ	0271	25.47	2010-07-09	005724	9435574-0	EPIX91534
2535	EPIU223274	AREA D-NON HAZ	0271	25.48	2010-07-09	005725	9435575-7	EPIX91477

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
2536	EPIU223341	AREA D-NON HAZ	0271	25.87	2010-07-09	005726	9435576-5	EPIX91468
2537	EPIU223231	AREA D-NON HAZ	0271	24.41	2010-07-09	005727	9435577-3	EPIX91477
2538	EPIU223488	AREA D-NON HAZ	0271	23.87	2010-07-09	005728	9435578-1	EPIX91468
2539	EPIU222211	AREA D-NON HAZ	0271	22.81	2010-07-09	005729	9435579-9	EPIX91521
2540	EPIU223090	AREA D-NON HAZ	0271	26.70	2010-07-09	005730	9435580-7	EPIX91521
2541	EPIU223262	AREA D-NON HAZ	0271	23.49	2010-07-09	005731	9435581-5	EPIX91510
2542	EPIU223196	AREA D-NON HAZ	0271	22.79	2010-07-09	005732	9435582-3	EPIX91477
2543	EPIU223339	AREA D-NON HAZ	0271	23.63	2010-07-09	005733	9435583-1	EPIX91477
2544	EPIU223409	AREA D-NON HAZ	0271	26.73	2010-07-12	005734	9435584-9	EPIX91468
2545	EPIU222295	AREA D-NON HAZ	0271	23.32	2010-07-12	005735	9435585-6	EPIX91468
2546	EPIU222217	AREA D-NON HAZ	0271	22.65	2010-07-12	005736	9435586-4	EPIX91521
2547	EPIU222375	AREA D-NON HAZ	0271	25.57	2010-07-12	005737	9435587-2	EPIX91521
2548	EPIU223089	AREA D-NON HAZ	0271	21.49	2010-07-12	005738	9435588-0	EPIX91406
2549	EPIU222227	AREA D-NON HAZ	0271	24.75	2010-07-12	005739	9435589-8	EPIX91406
2550	EPIU223390	AREA D-NON HAZ	0271	24.79	2010-07-12	005740	9435590-6	EPIX91406
2551	EPIU222475	AREA D-NON HAZ	0272	21.75	2010-07-12	005741	9435591-4	EPIX91406
2552	EPIU222331	AREA D-NON HAZ	0272	21.75	2010-07-12	005742	9435592-2	EPIX91510
2553	EPIU222063	AREA D-NON HAZ	0272	22.44	2010-07-12	005743	9435593-0	EPIX91510
2554	EPIU223453	AREA D-NON HAZ	0272	18.67	2010-07-12	005744	9435594-8	EPIX91510
2555	EPIU223045	AREA D-NON HAZ	0272	24.38	2010-07-12	005745	9435595-5	EPIX91474
2556	EPIU222112	AREA D-NON HAZ	0272	26.26	2010-07-12	005746	9435596-3	EPIX91406
2557	EPIU223334	AREA D-NON HAZ	0272	25.08	2010-07-12	005747	9435597-1	EPIX91406
2558	EPIU223360	AREA D-NON HAZ	0272	24.68	2010-07-13	005748	9435386-9	EPIX91497
2559	EPIU222133	AREA D-NON HAZ	0272	24.36	2010-07-13	005749	9435598-9	EPIX91497
2560	EPIU222091	AREA D-NON HAZ	0272	24.50	2010-07-13	005750	9435599-7	EPIX91474
2561	EPIU223054	AREA D-NON HAZ	0272	26.23	2010-07-13	005751	9435600-3	EPIX91497
2562	EPIU223022	AREA D-NON HAZ	0272	24.29	2010-07-13	005752	9385501-3	EPIX91439
2563	EPIU222005	AREA D-NON HAZ	0272	25.72	2010-07-13	005753	9385500-5	EPIX91439
2564	EPIU222515	AREA D-NON HAZ	0272	25.59	2010-07-13	005754	9385502-1	EPIX91418
2565	EPIU223392	AREA D-NON HAZ	0272	25.46	2010-07-13	005755	9385503-9	EPIX91418
2566	EPIU223016	AREA D-NON HAZ	0272	24.56	2010-07-13	005756	9385504-7	EPIX91418
2567	EPIU223253	AREA D-NON HAZ	0272	24.55	2010-07-13	005757	9385505-4	EPIX91418
2568	EPIU222360	AREA D-NON HAZ	0272	24.67	2010-07-13	005758	9385506-2	EPIX91439
2569	EPIU223467	AREA D-NON HAZ	0273	24.92	2010-07-13	005759	9385507-0	EPIX91439
2570	EPIU222271	AREA D-NON HAZ	0273	24.69	2010-07-13	005760	9385508-8	EPIX91474
2571	EPIU222368	AREA D-NON HAZ	0273	26.24	2010-07-13	005761	9385509-6	EPIX91474
2572	EPIU223291	AREA D-NON HAZ	0273	24.24	2010-07-13	005762	9436674-7	EPIX91474
2573	EPIU223268	AREA D-NON HAZ	0273	23.62	2010-07-13	005763	9436675-4	EPIX91418
2574	EPIU222158	AREA D-NON HAZ	0273	23.83	2010-07-13	005764	9436676-2	EPIX91418
2575	EPIU223198	AREA D-NON HAZ	0273	25.10	2010-07-13	005765	9436677-0	EPIX91439
2576	EPIU223352	AREA D-NON HAZ	0273	23.67	2010-07-13	005766	9436678-8	EPIX91439
2577	EPIU222532	AREA D-NON HAZ	0273	22.39	2010-07-13	005767	9436679-6	EPIX91474
2578	EPIU222230	AREA D-NON HAZ	0273	24.29	2010-07-14	005768	9436680-4	EPIX91512
2579	EPIU222584	AREA D-NON HAZ	0273	25.04	2010-07-14	005769	9436681-2	EPIX91471
2580	EPIU222548	AREA D-NON HAZ	0273	22.83	2010-07-14	005770	9436682-0	EPIX91471
2581	EPIU222358	AREA D-NON HAZ	0273	23.28	2010-07-14	005771	9436683-8	EPIX91507
2582	EPIU223260	AREA D-NON HAZ	0273	23.14	2010-07-14	005772	9436684-6	EPIX91507
2583	EPIU223217	AREA D-NON HAZ	0273	22.82	2010-07-14	005773	9436685-3	EPIX91512
2584	EPIU222058	AREA D-NON HAZ	0273	21.68	2010-07-14	005774	9436686-1	EPIX91512
2585	EPIU223250	AREA D-NON HAZ	0273	26.16	2010-07-14	005775	9436687-9	EPIX91471
2586	EPIU223238	AREA D-NON HAZ	0273	25.82	2010-07-14	005776	9436688-7	EPIX91471
2587	EPIU223489	AREA D-NON HAZ	0275	22.19	2010-07-14	005777	9436689-5	EPIX91507
2588	EPIU223295	AREA D-NON HAZ	0275	24.54	2010-07-14	005778	9436690-3	EPIX91507
2589	EPIU223242	AREA D-NON HAZ	0275	23.79	2010-07-14	005779	9436691-1	EPIX91471
2590	EPIU223475	AREA D-NON HAZ	0275	23.44	2010-07-14	005780	9436692-9	EPIX91507
2591	EPIU222465	AREA D-NON HAZ	0275	24.76	2010-07-14	005781	9436693-7	EPIX91497
2592	EPIU223170	AREA D-NON HAZ	0275	25.15	2010-07-14	005782	9436694-5	EPIX91497
2593	EPIU222463	AREA D-NON HAZ	0275	25.17	2010-07-14	005783	9436695-2	EPIX91497
2594	EPIU222119	AREA D - HAZ	0274	20.28	2010-07-15	007496184JJK	9435700-1	EPIX91470

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
2595	EPIU222349	AREA D - HAZ	0274	19.73	2010-07-15	007496185JJK	9435701-9	EPIX91470
2596	EPIU223438	AREA D - HAZ	0274	21.79	2010-07-15	007496186JJK	9435702-7	EPIX91539
2597	EPIU222238	AREA D - HAZ	0274	23.15	2010-07-15	007496187JJK	9435703-5	EPIX91539
2598	EPIU223446	AREA D - HAZ	0274	23.48	2010-07-15	007496188JJK	9435704-3	EPIX91470
2599	EPIU222253	AREA D - HAZ	0274	21.23	2010-07-15	007496189JJK	9435705-0	EPIX91470
2600	EPIU222021	AREA D - HAZ	0274	22.89	2010-07-15	007496190JJK	9435706-8	EPIX91470
2601	EPIU222334	AREA D - HAZ	0274	19.89	2010-07-15	007496191JJK	9435707-6	EPIX91470
2602	EPIU222482	AREA D - HAZ	0274	24.99	2010-07-15	007496192JJK	9435708-4	EPIX91539
2603	EPIU222104	AREA D - HAZ	0274	24.25	2010-07-15	007496193JJK	9435709-2	EPIX91539
2604	EPIU222048	AREA D - HAZ	0274	22.18	2010-07-15	007496194JJK	9435710-0	EPIX91539
2605	EPIU222405	AREA D - HAZ	0274	23.98	2010-07-15	007496195JJK	9435711-8	EPIX91539
2606	EPIU222207	AREA D-NON HAZ	0275	25.55	2010-07-16	005784	9436696-0	EPIX91512
2607	EPIU222413	AREA D-NON HAZ	0275	24.40	2010-07-16	005785	9436697-8	EPIX91512
2608	EPIU223435	AREA D-NON HAZ	0275	22.81	2010-07-16	005786	9436698-6	EPIX91512
2609	EPIU222027	AREA D-NON HAZ	0275	22.81	2010-07-16	005787	9436699-4	EPIX91507
2610	EPIU222531	AREA D-NON HAZ	0275	23.62	2010-07-16	005800	9436700-0	EPIX91471
2611	EPIU222008	AREA D-NON HAZ	0275	24.13	2010-07-16	005801	9436701-8	EPIX91487
2612	EPIU223397	AREA D-NON HAZ	0275	24.48	2010-07-16	005802	9436702-6	EPIX91413
2613	EPIU222450	AREA D-NON HAZ	0275	22.82	2010-07-16	005803	9436703-4	EPIX91501
2614	EPIU223345	AREA D-NON HAZ	0275	27.19	2010-07-16	005804	9436704-2	EPIX91413
2615	EPIU222169	AREA D-NON HAZ	0275	23.15	2010-07-16	005805	9436705-9	EPIX91501
2616	EPIU223099	AREA D-NON HAZ	0275	23.46	2010-07-16	005806	9436706-7	EPIX91487
2617	EPIU223612	AREA D-NON HAZ	0276	24.32	2010-07-19	005807	9436707-5	EPIX91476
2618	EPIU222418	AREA D-NON HAZ	0276	23.29	2010-07-19	005808	9436708-3	EPIX91501
2619	EPIU223219	AREA D-NON HAZ	0276	24.17	2010-07-19	005809	9436709-1	EPIX91501
2620	EPIU223479	AREA D-NON HAZ	0276	23.80	2010-07-19	005810	9436710-9	EPIX91476
2621	EPIU223137	AREA D-NON HAZ	0276	25.16	2010-07-19	005811	9436711-7	EPIX91487
2622	EPIU223299	AREA D-NON HAZ	0276	22.95	2010-07-19	005812	9436712-5	EPIX91487
2623	EPIU223212	AREA D-NON HAZ	0276	25.64	2010-07-19	005813	9436713-3	EPIX91413
2624	EPIU223281	AREA D-NON HAZ	0276	24.01	2010-07-19	005814	9436714-1	EPIX91413
2625	EPIU223199	AREA D-NON HAZ	0276	23.74	2010-07-19	005815	9436715-8	EPIX91501
2626	EPIU222152	AREA D-NON HAZ	0276	22.16	2010-07-19	005816	9436716-6	EPIX91501
2627	EPIU223356	AREA D-NON HAZ	0276	25.14	2010-07-19	005817	9436717-4	EPIX91487
2628	EPIU222132	AREA D-NON HAZ	0276	22.80	2010-07-19	005818	9436718-2	EPIX91413
2629	EPIU223065	AREA D-NON HAZ	0276	24.71	2010-07-19	005819	9436719-0	EPIX91487
2630	EPIU222210	AREA D-NON HAZ	0276	25.82	2010-07-19	005820	9436720-8	EPIX91413
2631	EPIU223221	AREA D-NON HAZ	0276	23.77	2010-07-20	005821	9436721-6	EPIX91476
2632	EPIU222310	AREA D-NON HAZ	0276	23.77	2010-07-20	005822	9436722-4	EPIX91476
2633	EPIU223034	AREA D-NON HAZ	0276	24.84	2010-07-20	005823	9436723-2	EPIX91476
2634	EPIU222151	AREA D-NON HAZ	0276	28.55	2010-07-20	005824	9436724-0	EPIX91475
2635	EPIU222206	AREA D-NON HAZ	0277	25.20	2010-07-20	005825	9436725-7	EPIX91476
2636	EPIU222538	AREA D-NON HAZ	0277	27.42	2010-07-20	005826	9436726-5	EPIX91475
2637	EPIU223066	AREA D-NON HAZ	0277	26.08	2010-07-20	005827	9436727-3	EPIX91475
2638	EPIU222044	AREA D-NON HAZ	0277	26.29	2010-07-20	005828	9436728-1	EPIX91475
2639	EPIU223259	AREA D-NON HAZ	0277	23.11	2010-07-20	005829	9436729-9	EPIX91475
2640	EPIU223270	AREA D-NON HAZ	0277	24.49	2010-07-20	005830	9436730-7	EPIX91475
2641	EPIU223050	AREA D-NON HAZ	0277	22.95	2010-07-20	005831	9436731-5	EPIX91429
2642	EPIU222344	AREA D-NON HAZ	0277	24.46	2010-07-20	005832	9436732-3	EPIX91429
2643	EPIU223371	AREA D-NON HAZ	0277	23.74	2010-07-20	005833	9436733-1	EPIX91455
2644	EPIU222326	AREA D-NON HAZ	0277	24.04	2010-07-20	005834	9436734-9	EPIX91455
2645	EPIU223062	AREA D-NON HAZ	0277	23.80	2010-07-20	005835	9436735-6	EPIX91429
2646	EPIU223381	AREA D-NON HAZ	0277	25.69	2010-07-21	005836	9436736-4	EPIX91455
2647	EPIU223109	AREA D-NON HAZ	0277	22.36	2010-07-21	005837	9436737-2	EPIX91452
2648	EPIU222399	AREA D-NON HAZ	0277	21.92	2010-07-21	005838	9436738-0	EPIX91455
2649	EPIU223301	AREA D-NON HAZ	0277	23.76	2010-07-21	005839	9436739-8	EPIX91452
2650	EPIU223486	AREA D-NON HAZ	0277	22.60	2010-07-21	005840	9436740-6	EPIX91452
2651	EPIU223290	AREA D-NON HAZ	0277	22.23	2010-07-21	005841	9436741-4	EPIX91455
2652	EPIU223396	AREA D-NON HAZ	0277	23.79	2010-07-21	005842	9436742-2	EPIX91452
2653	EPIU222178	AREA D-NON HAZ	0277	22.91	2010-07-21	005843	9436743-0	EPIX91452

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
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LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
2654	EPIU223121	AREA D-NON HAZ	0277	24.37	2010-07-21	005844	9436744-8	EPIX91455
2655	EPIU223084	AREA D-NON HAZ	0277	25.44	2010-07-21	005845	9436745-5	EPIX91429
2656	EPIU223030	AREA D-NON HAZ	0277	25.00	2010-07-21	005846	9436746-3	EPIX91429
2657	EPIU223232	AREA D-NON HAZ	0277	24.85	2010-07-21	005847	9436747-1	EPIX91429
2658	EPIU223364	AREA D-NON HAZ	0277	22.84	2010-07-21	005848	9436748-9	EPIX91452
2659	EPIU223113	AREA D - HAZ	0278	22.87	2010-07-22	007496212JJK	9435712-6	EPIX91411
2660	EPIU222141	AREA D - HAZ	0278	20.58	2010-07-22	007496213JJK	9435713-4	EPIX91411
2661	EPIU222392	AREA D - HAZ	0278	21.51	2010-07-22	007496214JJK	9435714-2	EPIX91532
2662	EPIU222317	AREA D - HAZ	0278	21.43	2010-07-22	007496215JJK	9435715-9	EPIX91532
2663	EPIU222139	AREA D - HAZ	0278	22.55	2010-07-22	007496216JJK	9435716-7	EPIX91498
2664	EPIU222243	AREA D - HAZ	0278	25.03	2010-07-22	007496217JJK	9435717-5	EPIX91498
2665	EPIU223498	AREA D - HAZ	0278	26.46	2010-07-22	007496218JJK	9435718-3	EPIX91484
2666	EPIU222103	AREA D - HAZ	0278	25.55	2010-07-22	007496219JJK	9435719-1	EPIX91484
2667	EPIU222517	AREA D - HAZ	0278	25.11	2010-07-22	007496220JJK	9435720-9	EPIX91411
2668	EPIU222456	AREA D - HAZ	0278	25.76	2010-07-22	007496221JJK	9435721-7	EPIX91411
2669	EPIU223261	AREA D - HAZ	0278	23.84	2010-07-22	007496222JJK	9435722-5	EPIX91532
2670	EPIU223172	AREA D - HAZ	0278	24.00	2010-07-22	007496223JJK	9435723-3	EPIX91532
2671	EPIU222291	AREA D - HAZ	0278	21.41	2010-07-22	007496224JJK	9435724-1	EPIX91498
2672	EPIU222534	AREA D - HAZ	0278	22.10	2010-07-22	007496225JJK	9435725-8	EPIX91498
2673	EPIU222495	AREA D - HAZ	0278	22.37	2010-07-22	007496226JJK	9435726-6	EPIX91411
2674	EPIU222415	AREA D - HAZ	0278	22.03	2010-07-22	007496227JJK	9435727-4	EPIX91411
2675	EPIU222511	AREA D - HAZ	0279	24.41	2010-07-23	007496228JJK	9435728-2	EPIX91532
2676	EPIU222264	AREA D - HAZ	0279	22.79	2010-07-23	007496229JJK	9435729-0	EPIX91532
2677	EPIU222476	AREA D - HAZ	0279	23.96	2010-07-23	007496230JJK	9435730-8	EPIX91484
2678	EPIU222194	AREA D - HAZ	0279	24.15	2010-07-23	007496231JJK	9435731-6	EPIX91498
2679	EPIU222357	AREA D - HAZ	0279	22.53	2010-07-23	007496232JJK	9435732-4	EPIX91498
2680	EPIU222092	AREA D - HAZ	0279	23.20	2010-07-23	007496233JJK	9435733-2	EPIX91435
2681	EPIU222409	AREA D - HAZ	0279	23.46	2010-07-23	007496234JJK	9435734-0	EPIX91435
2682	EPIU222430	AREA D - HAZ	0279	22.28	2010-07-23	007496235JJK	9435735-7	EPIX91435
2683	EPIU222041	AREA D - HAZ	0279	22.90	2010-07-23	007496236JJK	9435736-5	EPIX91435
2684	EPIU222101	AREA D - HAZ	0279	21.67	2010-07-23	007496237JJK	9435737-3	EPIX91484
2685	EPIU223049	AREA D - HAZ	0279	22.00	2010-07-23	007496238JJK	9435738-1	EPIX91484
2686	EPIU222282	AREA D - HAZ	0279	20.94	2010-07-23	007496239JJK	9435739-9	EPIX91484
2687	EPIU223157	AREA D - HAZ	0279	23.52	2010-07-23	007496240JJK	9435740-7	EPIX91435
2688	EPIU222189	AREA D - HAZ	0279	24.13	2010-07-23	007496241JJK	9435741-5	EPIX91435
2689	EPIU222059	AREA D - HAZ	0279	23.33	2010-07-26	007496242JJK	9435742-3	EPIX91493
2690	EPIU222523	AREA D - HAZ	0279	23.69	2010-07-26	007496243JJK	9435743-1	EPIX91456
2691	EPIU222437	AREA D - HAZ	0279	25.08	2010-07-26	007496244JJK	9435744-9	EPIX91456
2692	EPIU222283	AREA D - HAZ	0279	25.30	2010-07-26	007496245JJK	9435745-6	EPIX91419
2693	EPIU222408	AREA D - HAZ	0280	24.99	2010-07-26	007496246JJK	9435746-4	EPIX91419
2694	EPIU222486	AREA D - HAZ	0280	22.71	2010-07-26	007496247JJK	9435747-2	EPIX91456
2695	EPIU222506	AREA D - HAZ	0280	22.15	2010-07-26	007496248JJK	9435748-0	EPIX91456
2696	EPIU222574	AREA D - HAZ	0280	22.15	2010-07-26	007496249JJK	9435749-8	EPIX91493
2697	EPIU222542	AREA D - HAZ	0280	23.40	2010-07-26	007496250JJK	9435750-6	EPIX91493
2698	EPIU223431	AREA D - HAZ	0280	24.74	2010-07-26	007496251JJK	9435751-4	EPIX91490
2699	EPIU222309	AREA D - HAZ	0280	24.15	2010-07-26	007496252JJK	9435752-2	EPIX91490
2700	EPIU222520	AREA D - HAZ	0280	25.07	2010-07-26	007496253JJK	9435753-0	EPIX91456
2701	EPIU222197	AREA D - HAZ	0280	26.77	2010-07-26	007496254JJK	9435754-8	EPIX91419
2702	EPIU223319	AREA D - HAZ	0280	24.99	2010-07-26	007496255JJK	9435755-5	EPIX91490
2703	EPIU222216	AREA D - HAZ	0280	24.27	2010-07-26	007496256JJK	9435756-3	EPIX91419
2704	EPIU222576	AREA D - HAZ	0280	24.64	2010-07-26	007496257JJK	9435757-1	EPIX91490
2705	EPIU222007	AREA D - HAZ	0281	22.72	2010-07-27	007496258JJK	9435758-9	EPIX91537
2706	EPIU222145	AREA D - HAZ	0281	22.82	2010-07-27	007496259JJK	9435759-7	EPIX91537
2707	EPIU222365	AREA D - HAZ	0281	23.95	2010-07-27	007496260JJK	9437960-9	EPIX91450
2708	EPIU222395	AREA D - HAZ	0281	21.85	2010-07-27	007496261JJK	9437961-7	EPIX91450
2709	EPIU222089	AREA D - HAZ	0281	23.17	2010-07-27	007496262JJK	9437962-5	EPIX91493
2710	EPIU222190	AREA D - HAZ	0281	22.13	2010-07-27	007496263JJK	9437963-3	EPIX91490
2711	EPIU222432	AREA D - HAZ	0281	24.74	2010-07-27	007496264JJK	9437964-1	EPIX91490
2712	EPIU222182	AREA D - HAZ	0281	21.74	2010-07-27	007496265JJK	9437965-8	EPIX91493

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
2713	EPIU222568	AREA D - HAZ	0281	25.42	2010-07-27	007496266JJK	9437966-6	EPIX91493
2714	EPIU222300	AREA D - HAZ	0281	24.90	2010-07-27	007496267JJK	9437967-4	EPIX91419
2715	EPIU222111	AREA D - HAZ	0281	23.95	2010-07-27	007496268JJK	9437968-2	EPIX91419
2716	EPIU222305	AREA D - HAZ	0281	26.37	2010-07-27	007496269JJK	9437969-0	EPIX91456
2717	EPIU223208	AREA D - HAZ	0281	26.36	2010-07-27	007496270JJK	9437970-8	EPIX91450
2718	EPIU222303	AREA D - HAZ	0281	25.53	2010-07-27	007496271JJK	9437971-6	EPIX91450
2719	EPIU223258	AREA D-NON HAZ	0282	23.95	2010-07-28	005850	9436050-0	EPIX91420
2720	EPIU223156	AREA D-NON HAZ	0282	23.76	2010-07-28	005851	9436051-8	EPIX91508
2721	EPIU222406	AREA D-NON HAZ	0282	25.22	2010-07-28	005852	9436052-6	EPIX91508
2722	EPIU222573	AREA D-NON HAZ	0282	23.68	2010-07-28	005853	9436053-4	EPIX91481
2723	EPIU222170	AREA D-NON HAZ	0282	24.52	2010-07-28	005854	9436054-2	EPIX91420
2724	EPIU223422	AREA D-NON HAZ	0282	24.71	2010-07-28	005855	9436055-9	EPIX91481
2725	EPIU223167	AREA D-NON HAZ	0282	22.23	2010-07-28	005856	9436056-7	EPIX91420
2726	EPIU222143	AREA D-NON HAZ	0282	24.53	2010-07-28	005857	9436057-5	EPIX91508
2727	EPIU222033	AREA D-NON HAZ	0282	25.10	2010-07-28	005858	9436058-3	EPIX91508
2728	EPIU223304	AREA D-NON HAZ	0282	26.16	2010-07-28	005859	9436059-1	EPIX91481
2729	EPIU223331	AREA D-NON HAZ	0282	25.52	2010-07-28	005860	9436060-9	EPIX91481
2730	EPIU222196	AREA D-NON HAZ	0282	22.85	2010-07-28	005861	9436061-7	EPIX91442
2731	EPIU223421	AREA D-NON HAZ	0282	25.12	2010-07-28	005862	9436062-5	EPIX91458
2732	EPIU223413	AREA D-NON HAZ	0282	25.03	2010-07-28	005863	9436063-3	EPIX91442
2733	EPIU222208	AREA D-NON HAZ	0282	23.62	2010-07-29	005864	9436064-1	EPIX91508
2734	EPIU223428	AREA D-NON HAZ	0282	23.58	2010-07-29	005865	9436065-8	EPIX91508
2735	EPIU223105	AREA D-NON HAZ	0282	22.71	2010-07-29	005866	9436066-6	EPIX91421
2736	EPIU223168	AREA D-NON HAZ	0282	24.16	2010-07-29	005867	9436067-4	EPIX91421
2737	EPIU223293	AREA D-NON HAZ	0283	23.17	2010-07-29	005868	9436068-2	EPIX91458
2738	EPIU223378	AREA D-NON HAZ	0283	24.20	2010-07-29	005869	9436069-0	EPIX91458
2739	EPIU223215	AREA D-NON HAZ	0283	23.55	2010-07-29	005870	9436070-8	EPIX91420
2740	EPIU222556	AREA D-NON HAZ	0283	25.36	2010-07-29	005871	9436071-6	EPIX91420
2741	EPIU223440	AREA D-NON HAZ	0283	25.05	2010-07-29	005872	9436072-4	EPIX91481
2742	EPIU223285	AREA D-NON HAZ	0283	23.69	2010-07-29	005873	9436073-2	EPIX91481
2743	EPIU223039	AREA D-NON HAZ	0283	24.49	2010-07-29	005874	9436074-0	EPIX91420
2744	EPIU222492	AREA D-NON HAZ	0283	24.60	2010-07-29	005875	9436075-7	EPIX91442
2745	EPIU222350	AREA D-NON HAZ	0283	25.15	2010-07-29	005876	9436076-5	EPIX91442
2746	EPIU223452	AREA D-NON HAZ	0283	23.22	2010-07-29	005877	9436077-3	EPIX91421
2747	EPIU223229	AREA D-NON HAZ	0283	24.04	2010-07-30	005878	9436078-1	EPIX91421
2748	EPIU223145	AREA D-NON HAZ	0283	24.87	2010-07-30	005879	9436079-9	EPIX91458
2749	EPIU223307	AREA D-NON HAZ	0283	25.74	2010-07-30	005880	9436080-7	EPIX91458
2750	EPIU222098	AREA D-NON HAZ	0283	26.12	2010-07-30	005881	9436081-5	EPIX91442
2751	EPIU222369	AREA D-NON HAZ	0283	25.95	2010-07-30	005882	9436082-3	EPIX91442
2752	EPIU222030	AREA D-NON HAZ	0283	25.31	2010-07-30	005883	9436083-1	EPIX91421
2753	EPIU223477	AREA D-NON HAZ	0283	25.10	2010-07-30	005884	9436084-9	EPIX91421
2754	EPIU222153	AREA D-NON HAZ	0283	25.90	2010-07-30	005885	9436085-6	EPIX91458
2755	EPIU223445	AREA D-NON HAZ	0283	25.43	2010-07-30	005886	9436086-4	EPIX91538
2756	EPIU222160	AREA D-NON HAZ	0283	24.46	2010-07-30	005887	9436087-2	EPIX91538
2757	EPIU223175	AREA D-NON HAZ	0283	25.05	2010-07-30	005888	9436088-0	EPIX91538
2758	EPIU222407	AREA D-NON HAZ	0283	25.46	2010-07-30	005889	9436089-8	EPIX91538
2759	EPIU223466	AREA D-NON HAZ	0283	26.93	2010-07-30	005890	9436090-6	EPIX91538
2760	EPIU222275	AREA D-NON HAZ	0283	25.74	2010-07-30	005891	9436091-4	EPIX91538
2761	EPIU222362	AREA D - HAZ	0284	21.86	2010-08-02	007496272JJK	9437972-4	EPIX91410
2762	EPIU222582	AREA D - HAZ	0284	21.45	2010-08-02	007496273JJK	9437973-2	EPIX91410
2763	EPIU222561	AREA D - HAZ	0284	22.68	2010-08-02	007496274JJK	9437974-0	EPIX91410
2764	EPIU222507	AREA D - HAZ	0284	21.33	2010-08-02	007496275JJK	9437975-7	EPIX91447
2765	EPIU222006	AREA D - HAZ	0284	21.22	2010-08-02	007496276JJK	9437976-5	EPIX91410
2766	EPIU223005	AREA D - HAZ	0284	23.58	2010-08-02	007496277JJK	9437977-3	EPIX91447
2767	EPIU222468	AREA D - HAZ	0284	23.73	2010-08-02	007496278JJK	9437978-1	EPIX91447
2768	EPIU222322	AREA D - HAZ	0284	24.60	2010-08-02	007496279JJK	9437979-9	EPIX91447
2769	EPIU222466	AREA D - HAZ	0284	24.57	2010-08-02	007496280JJK	9437980-7	EPIX91410
2770	EPIU222551	AREA D - HAZ	0284	26.10	2010-08-02	007496281JJK	9437981-5	EPIX91410
2771	EPIU222167	AREA D - HAZ	0284	24.26	2010-08-02	007496282JJK	9437982-3	EPIX91537

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
2772	EPIU222157	AREA D - HAZ	0284	22.83	2010-08-02	007496283JJK	9437983-1	EPIX91537
2773	EPIU223095	AREA D - HAZ	0284	23.00	2010-08-02	007496284JJK	9437984-9	EPIX91447
2774	EPIU222195	AREA D - HAZ	0284	22.85	2010-08-02	007496285JJK	9437985-6	EPIX91450
2775	EPIU222391	AREA D - HAZ	0284	21.02	2010-08-02	007496286JJK	9437986-4	EPIX91450
2776	EPIU222348	AREA D - HAZ	0284	25.55	2010-08-02	007496287JJK	9437987-2	EPIX91537
2777	EPIU222328	AREA D - HAZ	0284	25.14	2010-08-02	007496288JJK	9437988-0	EPIX91537
2778	EPIU222494	AREA D - HAZ	0284	26.08	2010-08-02	007496289JJK	9437989-8	EPIX91447
2779	EPIU223350	AREA D-NON HAZ	0285	25.47	2010-08-03	005892	9436092-2	EPIX91448
2780	EPIU223399	AREA D-NON HAZ	0285	24.24	2010-08-03	005893	9436093-0	EPIX91523
2781	EPIU223123	AREA D-NON HAZ	0285	25.57	2010-08-03	005894	9436094-8	EPIX91523
2782	EPIU222123	AREA D-NON HAZ	0285	24.88	2010-08-03	005895	9436095-5	EPIX91526
2783	EPIU223149	AREA D-NON HAZ	0285	25.52	2010-08-03	005896	9436096-3	EPIX91526
2784	EPIU223246	AREA D-NON HAZ	0285	24.63	2010-08-03	005897	9436097-1	EPIX91526
2785	EPIU223150	AREA D-NON HAZ	0285	24.71	2010-08-03	005898	9436098-9	EPIX91526
2786	EPIU223023	AREA D-NON HAZ	0285	22.58	2010-08-03	005899	9436099-7	EPIX91523
2787	EPIU223437	AREA D-NON HAZ	0285	24.87	2010-08-03	005900	9436100-3	EPIX91523
2788	EPIU223094	AREA D-NON HAZ	0285	25.43	2010-08-03	005902	9436102-9	EPIX91461
2789	EPIU222159	AREA D-NON HAZ	0285	23.60	2010-08-03	005903	9436103-7	EPIX91461
2790	EPIU222447	AREA D-NON HAZ	0285	23.94	2010-08-03	005904	9436104-5	EPIX91523
2791	EPIU223160	AREA D-NON HAZ	0285	26.96	2010-08-03	005905	9436105-2	EPIX91461
2792	EPIU223315	AREA D-NON HAZ	0285	24.11	2010-08-03	005906	9436106-0	EPIX91461
2793	EPIU223207	AREA D-NON HAZ	0285	25.67	2010-08-03	005907	9436107-8	EPIX91526
2794	EPIU222575	AREA D-NON HAZ	0285	22.59	2010-08-03	005908	9436108-6	EPIX91526
2795	EPIU222313	AREA D-NON HAZ	0285	26.67	2010-08-04	005909	9436109-4	EPIX91501
2796	EPIU223146	AREA D-NON HAZ	0285	24.30	2010-08-04	005910	9436110-2	EPIX91448
2797	EPIU223333	AREA D-NON HAZ	0286	24.22	2010-08-04	005911	9436111-0	EPIX91448
2798	EPIU222269	AREA D-NON HAZ	0286	25.46	2010-08-04	005912	9436112-8	EPIX91448
2799	EPIU223088	AREA D-NON HAZ	0286	23.14	2010-08-04	005913	9436113-6	EPIX91426
2800	EPIU222522	AREA D-NON HAZ	0286	25.86	2010-08-04	005914	9436114-4	EPIX91426
2801	EPIU223048	AREA D-NON HAZ	0286	24.49	2010-08-04	005915	9436115-1	EPIX91426
2802	EPIU223085	AREA D-NON HAZ	0286	25.59	2010-08-04	005916	9436116-9	EPIX91426
2803	EPIU223316	AREA D-NON HAZ	0286	27.28	2010-08-04	005917	9436117-7	EPIX91426
2804	EPIU223454	AREA D-NON HAZ	0286	24.15	2010-08-04	005918	9436118-5	EPIX91426
2805	EPIU223460	AREA D-NON HAZ	0286	24.00	2010-08-04	005919	9436119-3	EPIX91523
2806	EPIU223359	AREA D-NON HAZ	0286	22.25	2010-08-04	005920	9436120-1	EPIX91401
2807	EPIU223416	AREA D-NON HAZ	0286	23.93	2010-08-05	005921	9436121-9	EPIX91401
2808	EPIU222054	AREA D-NON HAZ	0286	22.66	2010-08-05	005922	9436122-7	EPIX91501
2809	EPIU223297	AREA D-NON HAZ	0286	23.97	2010-08-05	005923	9436123-5	EPIX91501
2810	EPIU223461	AREA D-NON HAZ	0286	22.01	2010-08-05	005924	9436124-3	EPIX91501
2811	EPIU222378	AREA D-NON HAZ	0286	22.73	2010-08-05	005925	9436125-0	EPIX91401
2812	EPIU223134	AREA D-NON HAZ	0286	23.71	2010-08-05	005926	9436126-8	EPIX91501
2813	EPIU223164	AREA D-NON HAZ	0286	23.31	2010-08-05	005927	9436127-6	EPIX91401
2814	EPIU222566	AREA D-NON HAZ	0286	23.21	2010-08-05	005928	9436128-4	EPIX91501
2815	EPIU223076	AREA D-NON HAZ	0287	22.60	2010-08-05	005929	9436129-2	EPIX91448
2816	EPIU222394	AREA D-NON HAZ	0287	23.11	2010-08-05	005930	9436130-0	EPIX91461
2817	EPIU222226	AREA D-NON HAZ	0287	22.31	2010-08-05	005931	9436131-8	EPIX91448
2818	EPIU222162	AREA D-NON HAZ	0287	22.84	2010-08-05	005932	9436132-6	EPIX91461
2819	EPIU223257	AREA D-NON HAZ	0287	23.32	2010-08-09	005933	9436133-4	EPIX91475
2820	EPIU223228	AREA D-NON HAZ	0287	24.15	2010-08-09	005934	9436134-2	EPIX91475
2821	EPIU222340	AREA D-NON HAZ	0287	24.40	2010-08-09	005935	9436135-9	EPIX91475
2822	EPIU223269	AREA D-NON HAZ	0287	24.21	2010-08-09	005936	9436136-7	EPIX91475
2823	EPIU223012	AREA D-NON HAZ	0287	23.67	2010-08-09	005937	9436137-5	EPIX91503
2824	EPIU223218	AREA D-NON HAZ	0287	23.31	2010-08-09	005938	9436138-3	EPIX91401
2825	EPIU223124	AREA D-NON HAZ	0287	23.72	2010-08-09	005939	9436139-1	EPIX91503
2826	EPIU222009	AREA D-NON HAZ	0287	22.66	2010-08-09	005940	9436140-9	EPIX91468
2827	EPIU222488	AREA D-NON HAZ	0287	23.24	2010-08-09	005941	9436141-7	EPIX91468
2828	EPIU222589	AREA D-NON HAZ	0287	22.27	2010-08-09	005942	9436142-5	EPIX91468
2829	EPIU222077	AREA D-NON HAZ	0287	24.01	2010-08-09	005943	9436143-3	EPIX91451
2830	EPIU222281	AREA D-NON HAZ	0287	22.66	2010-08-09	005944	9436144-1	EPIX91451

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
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LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
2831	EPIU222002	AREA D-NON HAZ	0287	23.34	2010-08-09	005415	9436145-8	EPIX91503
2832	EPIU222221	AREA D-NON HAZ	0288	22.27	2010-08-09	005416	9436146-6	EPIX91401
2833	EPIU222594	AREA D-NON HAZ	0288	24.01	2010-08-09	005417	9436147-4	EPIX91503
2834	EPIU223408	AREA D-NON HAZ	0288	24.15	2010-08-09	005418	9436148-2	EPIX91475
2835	EPIU222496	AREA D-NON HAZ	0288	24.08	2010-08-10	005419	9436149-0	EPIX91474
2836	EPIU222353	AREA D-NON HAZ	0288	24.03	2010-08-10	005420	9436150-8	EPIX91471
2837	EPIU222214	AREA D-NON HAZ	0288	22.91	2010-08-10	005421	9436151-6	EPIX91475
2838	EPIU222136	AREA D-NON HAZ	0288	22.28	2010-08-10	005422	9436152-4	EPIX91471
2839	EPIU223153	AREA D-NON HAZ	0288	23.72	2010-08-10	005423	9436153-2	EPIX91406
2840	EPIU222445	AREA D-NON HAZ	0288	24.28	2010-08-10	005424	9436154-0	EPIX91474
2841	EPIU222337	AREA D-NON HAZ	0288	24.88	2010-08-10	005425	9436155-7	EPIX91451
2842	EPIU222377	AREA D-NON HAZ	0288	23.00	2010-08-10	005426	9436156-5	EPIX91451
2843	EPIU222121	AREA D-NON HAZ	0288	23.56	2010-08-10	005427	9436157-3	EPIX91451
2844	EPIU222127	AREA D-NON HAZ	0288	24.91	2010-08-10	005428	9436158-1	EPIX91451
2845	EPIU222338	AREA D-NON HAZ	0288	23.73	2010-08-10	005429	9436159-9	EPIX91503
2846	EPIU222171	AREA D-NON HAZ	0288	26.10	2010-08-10	005430	9436160-7	EPIX91471
2847	EPIU223069	AREA D-NON HAZ	0288	20.62	2010-08-10	005431	9436161-5	EPIX91468
2848	EPIU222367	AREA D-NON HAZ	0288	20.94	2010-08-10	005432	9436162-3	EPIX91468
2849	EPIU222333	AREA D-NON HAZ	0288	23.62	2010-08-10	005433	9436163-1	EPIX91503
2850	EPIU222096	AREA D-NON HAZ	0288	25.70	2010-08-10	005434	9436164-9	EPIX91468
2851	EPIU223263	AREA D-NON HAZ	0289	25.92	2010-08-11	005435	9436165-6	EPIX91406
2852	EPIU223495	AREA D-NON HAZ	0289	23.87	2010-08-11	005436	9436166-4	EPIX91471
2853	EPIU222192	AREA D-NON HAZ	0289	25.26	2010-08-11	005487	9436167-2	EPIX91471
2854	EPIU222142	AREA D-NON HAZ	0289	23.85	2010-08-11	005488	9436925-3	EPIX91474
2855	EPIU223133	AREA D-NON HAZ	0289	22.46	2010-08-11	005489	9436926-1	EPIX91474
2856	EPIU223143	AREA D-NON HAZ	0289	22.85	2010-08-11	005490	9436927-9	EPIX91406
2857	EPIU223195	AREA D-NON HAZ	0289	22.42	2010-08-11	005491	9436928-7	EPIX91471
2858	EPIU223487	AREA D-NON HAZ	0289	27.93	2010-08-11	005949	9436930-3	EPIX91406
2859	EPIU222042	AREA D-NON HAZ	0289	21.45	2010-08-13	005950	9436931-1	EPIX91406
2860	EPIU222179	AREA D-NON HAZ	0289	25.20	2010-08-13	005951	9436932-9	EPIX91539
2861	EPIU222244	AREA D-NON HAZ	0289	23.02	2010-08-13	005952	9436933-7	EPIX91474
2862	EPIU222218	AREA D-NON HAZ	0289	22.67	2010-08-13	005954	9436934-5	EPIX91474
2863	EPIU223488	AREA D-NON HAZ	0289	23.53	2010-08-19	005946	9436929-5	EPIX91413
2864	EPIU223239	AREA D-NON HAZ	0289	26.37	2010-08-19	005955	9436935-2	EPIX91413
2865	EPIU223341	AREA D-NON HAZ	0289	23.86	2010-08-19	005962	9436936-0	EPIX91534
2866	EPIU222591	AREA D-NON HAZ	0289	24.98	2010-08-19	005963	9436937-8	EPIX91534
2867	EPIU223104	AREA D-NON HAZ	0289	23.08	2010-08-19	005968	9436938-6	EPIX91539
2868	EPIU222403	AREA D-NON HAZ	0289	25.24	2010-08-19	005969	9436939-4	EPIX91539
2869	EPIU223379	AREA D-NON HAZ	0290	24.63	2010-08-19	005970	9436940-2	EPIX91413
2870	EPIU223066	AREA D-NON HAZ	0290	24.40	2010-08-19	005971	9436941-0	EPIX91413
2871	EPIU223270	AREA D-NON HAZ	0290	23.63	2010-08-19	005972	9436942-8	EPIX91406
2872	EPIU222375	AREA D-NON HAZ	0290	27.05	2010-08-19	005973	9436943-6	EPIX91534
2873	EPIU222217	AREA D-NON HAZ	0290	24.02	2010-08-19	005974	9436944-4	EPIX91534
2874	EPIU223259	AREA D-NON HAZ	0290	23.48	2010-08-19	005975	9436945-1	EPIX91539
2875	EPIU222151	AREA D-NON HAZ	0290	24.63	2010-08-19	005976	9436946-9	EPIX91539
2876	EPIU222295	AREA D-NON HAZ	0290	18.93	2010-08-19	005977	9436947-7	EPIX91534
2877	EPIU223375	AREA D-NON HAZ	0290	26.73	2010-08-19	005978	9436948-5	EPIX91534
2878	EPIU222585	AREA D-NON HAZ	0290	24.22	2010-08-19	005979	9436949-3	EPIX91539
2879	EPIU223321	AREA D-NON HAZ	0290	23.56	2010-08-20	005980	9436950-1	EPIX91413
2880	EPIU222100	AREA D-NON HAZ	0290	23.54	2010-08-20	005981	9436951-9	EPIX91413
2881	EPIU222352	AREA D-NON HAZ	0290	23.93	2010-08-25	005982	9436952-7	EPIX91516
2882	EPIU223308	AREA D-NON HAZ	0290	22.45	2010-08-25	005983	9436953-5	EPIX91476
2883	EPIU223479	AREA D-NON HAZ	0290	23.74	2010-08-25	005984	9436954-3	EPIX91476
2884	EPIU223221	AREA D-NON HAZ	0290	24.13	2010-08-25	005985	9436955-0	EPIX91476
2885	EPIU223345	AREA D-NON HAZ	0290	22.45	2010-08-25	005986	9436956-8	EPIX91476
2886	EPIU222219	AREA D-NON HAZ	0290	23.74	2010-08-25	005788	9436957-6	EPIX91476
2887	EPIU222152	AREA D-NON HAZ	0291	26.29	2010-08-25	005789	9437936-9	EPIX91476
2888	EPIU223029	AREA D-NON HAZ	0291	24.76	2010-08-25	005790	9437937-7	EPIX91516
2889	EPIU222064	AREA D-NON HAZ	0291	25.79	2010-08-26	005791	9437938-5	EPIX91516

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
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LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
2890	EPIU222550	AREA D-NON HAZ	0291	24.67	2010-08-26	005792	9437939-3	EPIX91516
2891	EPIU223096	AREA D-NON HAZ	0291	22.79	2010-08-26	005793	9437940-1	EPIX91516
2892	EPIU223456	AREA D-NON HAZ	0291	25.83	2010-08-26	005794	9437941-9	EPIX91515
2893	EPIU223053	AREA D-NON HAZ	0291	22.30	2010-08-26	005795	9437942-7	EPIX91515
2894	EPIU222516	AREA D-NON HAZ	0291	21.05	2010-08-26	005796	9437943-5	EPIX91515
2895	EPIU223130	AREA D-NON HAZ	0291	21.18	2010-08-26	005797	9437944-3	EPIX91516
2896	EPIU223046	AREA D-NON HAZ	0291	24.36	2010-08-26	005798	9437945-0	EPIX91515
2897	EPIU223199	AREA D-NON HAZ	0291	21.11	2010-08-26	005799	9437946-8	EPIX91515
2898	EPIU222343	AREA D-NON HAZ	0291	21.10	2010-08-26	150106	9437947-6	EPIX91515
2899	EPIU222241	DRAIN LINE HAZ	0292	25.11	2010-09-01	007496290JJK	9437990-6	EPIX91435
2900	EPIU222184	DRAIN LINE HAZ	0292	26.32	2010-09-01	007496291JJK	9437991-4	EPIX91435
2901	EPIU222459	DRAIN LINE HAZ	0292	26.48	2010-09-01	007496292JJK	9437992-2	EPIX91484
2902	EPIU222451	DRAIN LINE HAZ	0292	24.85	2010-09-01	007496293JJK	9437993-0	EPIX91484
2903	EPIU222095	DRAIN LINE HAZ	0292	24.07	2010-09-01	007496294JJK	9437994-8	EPIX91435
2904	EPIU222164	DRAIN LINE HAZ	0292	25.25	2010-09-01	007496295JJK	9437995-5	EPIX91435
2905	EPIU222147	DRAIN LINE HAZ	0292	25.28	2010-09-01	007496296JJK	9436815-6	EPIX91484
2906	EPIU222116	DRAIN LINE HAZ	0292	24.68	2010-09-01	007496297JJK	9436816-4	EPIX91484
2907	EPIU222135	DRAIN LINE HAZ	0292	28.76	2010-09-01	007496298JJK	9436817-2	EPIX91484
2908	EPIU222187	DRAIN LINE HAZ	0292	26.00	2010-09-01	007496299JJK	9436818-0	EPIX91484
2909	EPIU222498	DRAIN LINE HAZ	0292	24.77	2010-09-01	007496300JJK	9436819-8	EPIX91435
2910	EPIU222325	DRAIN LINE HAZ	0292	23.51	2010-09-01	007496301JJK	9436820-6	EPIX91435
2911	EPIU223282	AREA D-NON HAZ	0291	21.81	2010-09-02	150107	9437948-4	EPIX91452
2912	EPIU222450	AREA D-NON HAZ	0291	25.35	2010-09-02	150108	9437949-2	EPIX91452
2913	EPIU222169	AREA D-NON HAZ	0291	24.95	2010-09-02	150109	9436750-5	EPIX91452
2914	EPIU223075	AREA D-NON HAZ	0291	23.95	2010-09-02	150110	9436751-3	EPIX91452
2915	EPIU223247	AREA D-NON HAZ	0291	25.21	2010-09-02	150111	9436752-1	EPIX91452
2916	EPIU223338	AREA D-NON HAZ	0291	18.63	2010-09-02	150112	9436753-9	EPIX91452
2917	EPIU222282	DRAIN LINE HAZ	0293	23.69	2010-09-02	007496302JJK	9437950-0	EPIX91457
2918	EPIU222286	DRAIN LINE HAZ	0293	22.25	2010-09-02	007496303JJK	9437951-8	EPIX91457
2919	EPIU223470	DRAIN LINE HAZ	0293	23.13	2010-09-02	007496196JJK	9437952-6	EPIX91457
2920	EPIU222265	DRAIN LINE HAZ	0293	22.99	2010-09-02	007496197JJK	9437953-4	EPIX91457
2921	EPIU222321	DRAIN LINE HAZ	0293	15.56	2010-09-02	007496198JJK	9437954-2	EPIX91457
2922	EPIU222014	DRAIN LINE HAZ	0293	11.73	2010-09-02	007496199JJK	9437955-9	EPIX91457
2923	EPIU222563	N/S TRACK EXCV	0294	19.82	2010-10-01	150113	9436754-7	EPIX91432
2924	EPIU223261	N/S TRACK EXCV	0294	20.65	2010-10-01	150114	9436755-4	EPIX91432
2925	EPIU222392	N/S TRACK EXCV	0294	20.84	2010-10-01	150115	9436756-2	EPIX91432
2926	EPIU222347	N/S TRACK EXCV	0294	20.08	2010-10-01	150116	9436757-0	EPIX91407
2927	EPIU222511	N/S TRACK EXCV	0294	25.69	2010-10-01	150117	9436758-8	EPIX91432
2928	EPIU223112	N/S TRACK EXCV	0294	23.72	2010-10-01	150118	9436759-6	EPIX91483
2929	EPIU222359	N/S TRACK EXCV	0294	25.01	2010-10-01	150119	9436760-4	EPIX91483
2930	EPIU222106	N/S TRACK EXCV	0294	23.35	2010-10-01	150120	9436761-2	EPIX91483
2931	EPIU222141	N/S TRACK EXCV	0294	25.94	2010-10-01	150121	9436762-0	EPIX91483
2932	EPIU222456	N/S TRACK EXCV	0294	23.99	2010-10-01	150122	9436763-8	EPIX91483
2933	EPIU222092	N/S TRACK EXCV	0294	23.72	2010-10-01	150123	9436764-6	EPIX91461
2934	EPIU222041	N/S TRACK EXCV	0294	22.41	2010-10-01	150124	9436765-3	EPIX91432
2935	EPIU222039	N/S TRACK EXCV	0294	22.90	2010-10-01	150125	9436766-1	EPIX91483
2936	EPIU222155	N/S TRACK EXCV	0294	23.22	2010-10-01	150126	9436767-9	EPIX91432
2937	EPIU223408	N/S TRACK EXCV	0294	24.33	2010-10-01	150127	9436768-7	EPIX91407
2938	EPIU223049	N/S TRACK EXCV	0295	22.67	2010-10-02	150128	9436827-1	EPIX91407
2939	EPIU222048	N/S TRACK EXCV	0295	25.49	2010-10-02	150129	9436828-9	EPIX91461
2940	EPIU222238	N/S TRACK EXCV	0295	27.03	2010-10-02	150130	9436829-7	EPIX91461
2941	EPIU222071	N/S TRACK EXCV	0295	26.57	2010-10-02	150131	9436830-5	EPIX91455
2942	EPIU222139	N/S TRACK EXCV	0295	26.81	2010-10-02	150132	9436831-3	EPIX91455
2943	EPIU222086	N/S TRACK EXCV	0295	25.25	2010-10-02	150133	9436832-1	EPIX91416
2944	EPIU222411	N/S TRACK EXCV	0295	25.65	2010-10-02	150134	9436833-9	EPIX91416
2945	EPIU222214	N/S TRACK EXCV	0295	27.35	2010-10-02	150135	9436001-3	EPIX91455
2946	EPIU222144	N/S TRACK EXCV	0295	29.27	2010-10-02	150136	9436002-1	EPIX91461
2947	EPIU222430	N/S TRACK EXCV	0295	23.46	2010-10-02	150137	9436003-9	EPIX91416
2948	EPIU222345	N/S TRACK EXCV	0295	25.55	2010-10-02	150138	9436004-7	EPIX91455

Table 6-7 >620 mg/kg Soil Intermodal Loadout Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

LOAD NO.	CONTAINER NO.	CONTENTS	COMPOSITE SAMPLE NO.	SHIPPING INFORMATION				
				WEIGHT (S TONS)	DATE SHIPPED (2009-03-27 format)	SHIPPING DOCUMENT NO.		RAILCAR NO.
						US	CANADA	
2949	EPIU222101	N/S TRACK EXCV	0295	22.04	2010-10-02	150139	9436005-4	EPIX91461
2950	EPIU222246	N/S TRACK EXCV	0295	23.82	2010-10-02	150140	9436006-2	EPIX91455
2951	EPIU223099	N/S TRACK EXCV	0295	23.77	2010-10-02	150141	9436007-0	EPIX91416
2952	EPIU222356	N/S TRACK EXCV	0295	22.50	2010-10-02	150142	9436008-8	EPIX91461
2953	EPIU222495	N/S TRACK EXCV	0295	25.74	2010-10-02	150143	9436009-6	EPIX91416
2954	EPIU222365	N/S TRACK EXCV	0295	22.89	2010-10-02	150144	9436010-4	EPIX91416
2955	EPIU222258	N/S TRACK EXCV	0295	25.49	2010-10-02	150145	9436011-2	EPIX91455
2956	EPIU223314	N/S TRACK EXCV	0295	23.20	2010-10-02	150146	9436012-0	EPIX91532
2957	EPIU222324	N/S TRACK EXCV	0295	26.01	2010-10-02	150147	9436013-8	EPIX91532
2958	EPIU223245	N/S TRACK EXCV	0295	25.97	2010-10-02	150148	9436014-6	EPIX91407
2959	EPIU222571	N/S TRACK EXCV	0295	24.28	2010-10-02	150149	9436015-3	EPIX91407
2960	EPIU222559	N/S TRACK EXCV	0295	23.01	2010-10-02	150150	9436016-1	EPIX91407
2961	EPIU222185	N/S TRACK EXCV	0296	21.96	2010-10-04	150151	9436769-5	EPIX91492
2962	EPIU223081	N/S TRACK EXCV	0296	23.10	2010-10-04	150152	9436017-9	EPIX91502
2963	EPIU222370	N/S TRACK EXCV	0296	20.94	2010-10-04	150153	9436018-7	EPIX91502
2964	EPIU222595	N/S TRACK EXCV	0296	25.36	2010-10-04	150154	9436019-5	EPIX91502
2965	EPIU222529	N/S TRACK EXCV	0296	24.25	2010-10-04	150155	9436020-3	EPIX91492
2966	EPIU223430	N/S TRACK EXCV	0296	21.75	2010-10-04	150156	9436021-1	EPIX91502
2967	EPIU222422	N/S TRACK EXCV	0296	24.36	2010-10-04	150157	9436022-9	EPIX91492
2968	EPIU222308	N/S TRACK EXCV	0296	24.76	2010-10-04	150158	9436023-7	EPIX91422
2969	EPIU223309	N/S TRACK EXCV	0296	22.96	2010-10-04	150159	9436024-5	EPIX91422
2970	EPIU222200	N/S TRACK EXCV	0296	18.12	2010-10-04	150160	9436025-2	EPIX91422
2971	EPIU222390	N/S TRACK EXCV	0296	18.66	2010-10-04	150161	9436026-0	EPIX91422
2972	EPIU222487	N/S TRACK EXCV	0296	18.58	2010-10-04	150162	9436027-8	EPIX91532
2973	EPIU223340	N/S TRACK EXCV	0296	20.36	2010-10-05	150163	9436028-6	EPIX91532
2974	EPIU222257	N/S TRACK EXCV	0296	21.07	2010-10-05	150164	9436029-4	EPIX91532
2975	EPIU222096	AREA D & CWTS	0296	23.13	2010-10-05	150165	9436030-2	EPIX91492
2976	EPIU222337	AREA D & CWTS	0296	24.30	2010-10-05	150166	9436031-0	EPIX91422
2977	EPIU222020	AREA D & CWTS	0296	21.94	2010-10-05	150167	9436032-8	EPIX91422
2978	EPIU222393	AREA D & CWTS	0296	23.16	2010-10-05	150168	9436033-6	EPIX91502
2979	EPIU222180	AREA D & CWTS	0296	16.81	2010-10-05	150169	9436034-4	EPIX91502
2980	EPIU223153	AREA D & CWTS	0296	14.76	2010-10-05	150170	9436035-1	EPIX91492
2981	EPIU222274	AREA D & CWTS	0296	17.63	2010-10-05	150171	9436036-9	EPIX91492
2982	EPIU222193	AREA D & CWTS	0296	12.72	2010-10-07	150172	9436037-7	EPIX91532

Table 6-8 Drain Line Pipe Analytical Testing Results
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Sample Date	Sample ID	Parameter	Result	Units	Reporting Limit	Analytical Method
6/25/2009	DLS-1	Mercury	1740	mg/kg	86.2	SW846 7471A
6/25/2009	DLS-1	Percent Solids	95.7	%	-	SM20 2540G
6/25/2009	DLS-2	Mercury	1860	mg/kg	86.8	SW846 7471A
6/25/2009	DLS-2	Percent Solids	95.0	%	-	SM20 2540G
6/25/2009	DLS-3	Mercury	10400	mg/kg	348	SW846 7471A
6/25/2009	DLS-3	Percent Solids	94.9	%	-	SM20 2540G

Table 6-9 Clean Sand QA/QC Testing Summary Table
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Material/Sample ID	Date	Volume Delivered (cy)	ASTM D422 - Gradation				ASTM D1557 - Modified Proctor Density	
			% Passing 4-in.	% Passing #4	% Passing #40	% Passing #200	Max Dry Density (pcf)	Optimum Moisture (%)
	-	Spec 02200	100	50 to 70	25 to 60	≤ 30		
SES Clean Sand Source Sample	7/8/2009	0	100.0	97.2	46.0	5.9	105.4	5.9%
Parsons Clean Sand QA Sample 1	11/24/2009	0-10000	100.0	95.4	46.4	2.4	95.7	10.7%
SES Clean Sand QC Sample 1	10/7/2009	0-1000	100.0	97.3	44.5	11.5	109.7	11.5%
SES Clean Sand QC Sample 2	10/7/2009	1000-2000	100.0	97.2	47.0	10.2	110.6	10.2%
SES Clean Sand QC Sample 3	10/7/2009	3000-4000	100.0	96.3	44.0	10.4	109.3	10.4%
SES Clean Sand QC Sample 4	12/4/2009	4000-5000	100.0	95.8	44.0	11.6	110.3	11.6%
SES Clean Sand QC Sample 5	12/4/2009	5000-6000	100.0	95.5	49.0	10.2	110.4	10.2%
SES Clean Sand QC Sample 6	12/4/2009	6000-7000	100.0	95.8	49.0	11.0	111.5	11.0%
SES Clean Sand QC Sample 7	12/4/2009	7000-8000	100.0	94.4	7.5	9.5	110.7	9.5%
Parsons Clean Sand QA Sample 2	8/9/2010	10000-20000	100.0	99.1	66.3	2.2	-	-

Table 6-10 Topsoil QA/QC Testing Summary Table
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Material/Sample ID	Date	Volume Delivered (cy)	ASTM D422 - Gradation			ASTM D2974 - Organic Content %	ASTM D4972 - pH
			% Sand (2.0 - 0.05mm)	%Silt (0.05 - 0.002mm	% Clay (<0.002mm)		
	-	Spec 02200				≥2.75	5.8 - 7.0
SES Undeveloped Area Cap Topsoil Source Sample	10/28/2010	0	17.0	55.0	28.0	4.4	6.3
Parsons QA Sample 1	11/9/2010	0-10000	97.0	96.1	94.9	5.4	7.5
SES Undeveloped Area Cap Topsoil QC Sample 1	11/12/2010	0-1000	100.0	100.0	99.6	3.7	6.0
SES Undeveloped Area Cap Topsoil QC Sample 2	11/12/2010	1000-2000	99.3	99.2	98.9	3.7	6.0
SES Undeveloped Area Cap Topsoil QC Sample 3	11/12/2010	2000-3000	100.0	99.7	99.4	4.0	6.1
SES Undeveloped Area Cap Topsoil QC Sample 4	11/12/2010	3000-4000	100.0	100.0	99.4	3.7	6.3
SES Undeveloped Area Cap Topsoil QC Sample 5	11/30/2010	4000-5000	99.4	99.3	97.8	4.9	6.5
SES Undeveloped Area Cap Topsoil QC Sample 6	11/30/2010	5000-6000	100.0	99.7	99.2	3.4	6.4
SES Undeveloped Area Cap Topsoil QC Sample 7	11/30/2010	6000-7000	97.6	96.4	95.2	3.7	6.3
SES Undeveloped Area Cap Topsoil QC Sample 8	11/30/2010	7000-8000	99.2	98.4	97.5	3.9	6.6
SES Undeveloped Area Cap Topsoil QC Sample 9	11/30/2010	8000-9000	99.3	98.4	96.9	3.6	6.4
SES Undeveloped Area Cap Topsoil QC Sample 10	11/30/2010	9000-10000	99.3	98.6	97.0	3.7	6.3
SES Undeveloped Area Cap Topsoil QC Sample 11	12/14/2010	10000-11000	100.0	99.8	98.9	4.5	5.6
Parsons QA Sample 2	12/10/2010	10000-20000	98.9	98.7	98.1	4.6	6.8
SES Wetland Topsoil Source Sample (Cedar Hill Source)	8/31/2009	0	55.0	28.0	16.0	8.8	7.4
Parsons QA Sample 1 (Cedar Hill Source)	11/27/2009	0-10000	60.0	20.9	19.1	14.4	7.3
SES Wetland Topsoil QC Sample 1 (Cedar Hill Source)	12/15/2010	0-1000	51.0	32.0	17.0	7.9	7.3
Parsons QA Sample 1 (EME Source)	11/23/2010	0-10000	65.2	15.0	19.8	4.9	5.8
SES Wetland Topsoil QC Sample 2 (EME Source)	11/30/2010	0-1000	77.0	12.0	11.0	8.4	6.8
SES Upland Topsoil Source Sample 1 (Cedar Hill Source)	8/31/2009	0	56.0	30.0	14.0	7.4	7.2
SES Upland Topsoil Source Sample 2 (Cedar Hill Source)	8/31/2009	0	56.0	28.0	16.0	5.9	7.3
Parsons QA Sample 1 (Cedar Hill Source)	11/27/2009	0-10000	60.4	24.4	15.2	8.4	7.3
SES Upland Topsoil QC Sample 1 (Cedar Hill Source)	11/20/2009	0-1000	43.0	33.0	24.0	4.7	7.4
SES Upland Topsoil QC Sample 2 (Cedar Hill Source)	12/11/2009	1000-2000	41.0	36.0	23.0	4.7	7.4
SES Upland Topsoil Source Sample 1 (EME Source)	11/5/2010	0	70.0	15.5	14.5	5.2	6.2
Parsons QA Sample 1 (EME Source)	8/10/2010	0-10000	63.9	13.7	22.4	4.1	5.8
SES Upland Topsoil QC Sample 1 (EME Source)	11/23/2010	0-1000	6.5	20.0	18.0	8.1	6.5

Table 6-11 Clean Fill Analysis of 55-foot Buffer Clean Sand Backfill and Topsoil
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Compound	Units[1]	RDCSRS[1]	Amboy Aggregates Clean Sand		Cedar Hill Wetland Topsoil		Cedar Hill Upland Topsoil	
			Result[3]	Reporting Limit	Result[3]	Reporting Limit	Result[3]	Reporting Limit
Metals								
Silver	mg/kg	390	ND	0.50	ND	0.50	ND	0.50
Aluminum	mg/kg	78000	786	2.5	34300	125.0	29300	125.0
Arsenic	mg/kg	19	1.83	1.70	6.74	1.70	5.37	1.70
Barium	mg/kg	16000	1.09	1.00	101	1.00	91.2	1.00
Beryllium	mg/kg	16	ND	0.50	0.64	0.50	0.62	0.50
Cadmium	mg/kg	78	ND	1.00	ND	1.00	ND	1.00
Cobalt	mg/kg	1600	1.09	1.00	10.1	1.00	9.42	1.00
Chromium	mg/kg		3.42	1.00	23.4	1.00	21.7	1.00
Copper	mg/kg	3100	2.12	1.00	76.9	1.00	78.7	1.00
Mercury	mg/kg	23	ND	0.012	0.04	0.012	0.042	0.012
Manganese	mg/kg	110000	50.1	1.00	1250	5.00	1180	5.00
Nickel	mg/kg	1600	2.66	1.00	21.3	1.00	19.5	1.00
Lead	mg/kg	400	ND	4.1	38.1	4.1	22.9	4.1
Antimony	mg/kg	31	ND	1.4	ND	1.4	ND	1.4
Selenium	mg/kg	390	ND	1.4	ND	1.4	ND	1.4
Thallium	mg/kg	5	ND	1.0	ND	1.0	ND	1.0
Vanadium	mg/kg	78	4.87	1.0	30.3	1.0	27.2	1.0
Zinc	mg/kg	23000	8.01	4.0	146	4.0	120	4.0
Pesticides and PCBs								
Alpha-BHC [2C]	ug/kg	100	ND	0.400	ND	0.400	ND	0.400
Gamma-BHC/Lindane	ug/kg	400	ND	0.400	ND	0.400	ND	0.400
Beta-BHC	ug/kg	400	ND	0.400	ND	0.400	ND	0.400
Delta-BHC	ug/kg	-	ND	0.400	ND	0.400	ND	0.400
Heptachlor	ug/kg	100	ND	0.400	ND	0.400	ND	0.400
Aldrin	ug/kg	40	ND	0.400	ND	0.400	ND	0.400
Heptachlor epoxide	ug/kg	70	ND	0.400	ND	0.400	ND	0.400
4,4'-DDE	ug/kg	2000	ND	0.400	9.51	0.400	10.4	0.400
Endosulfan I	ug/kg	470000	ND	0.400	ND	0.400	ND	0.400
Dieldrin	ug/kg	40	ND	0.400	ND	0.400	ND	0.400

Table 6-11 Clean Fill Analysis of 55-foot Buffer Clean Sand Backfill and Topsoil
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Compound	Units[1]	RDCSRS[1]	Amboy Aggregates Clean Sand		Cedar Hill Wetland Topsoil		Cedar Hill Upland Topsoil	
			Result[3]	Reporting Limit	Result[3]	Reporting Limit	Result[3]	Reporting Limit
Endrin	ug/kg	23000	ND	0.400	ND	0.400	ND	0.400
4,4'-DDD	ug/kg	3000	ND	0.400	3.71	0.400	5.97	0.400
Endosulfan II	ug/kg	470000	ND	0.400	ND	0.400	ND	0.400
4,4'-DDT	ug/kg	2000	ND	0.400	15.8	0.400	11	0.400
Endrin aldehyde	ug/kg	23000	ND	0.400	ND	0.400	ND	0.400
Methoxychlor	ug/kg	390000	ND	0.400	ND	0.400	ND	0.400
Endosulfan sulfate	ug/kg	470000	ND	0.400	ND	0.400	ND	0.400
Endrin ketone	ug/kg	-	ND	0.400	ND	0.400	ND	0.400
Chlordane	ug/kg	200	ND	6.70	ND	6.70	ND	6.70
Toxaphene	ug/kg	600	ND	8.30	ND	8.30	ND	8.30
Aroclor-1016	ug/kg	200	ND	3.30	ND	3.30	ND	3.30
Aroclor-1221	ug/kg	200	ND	3.30	ND	3.30	ND	3.30
Aroclor-1232	ug/kg	200	ND	3.30	ND	3.30	ND	3.30
Aroclor-1242	ug/kg	200	ND	3.30	ND	3.30	ND	3.30
Aroclor-1248	ug/kg	200	ND	3.30	ND	3.30	ND	3.30
Aroclor-1254	ug/kg	200	ND	3.30	ND	3.30	ND	3.30
Aroclor-1260	ug/kg	200	ND	3.30	ND	3.30	ND	3.30
VOCs								
dicholorodiflouromethane	ug/kg	3000	ND	10	ND	10	ND	10
Chloromethane	ug/kg	4000	ND	10	ND	10	ND	10
vinyl chloride	ug/kg	700	ND	10	ND	10	ND	10
bromomethane	ug/kg	25000	ND	10	ND	10	ND	10
chloroethane	ug/kg	220000	ND	10	ND	10	ND	10
trichlorofluoromethane	ug/kg	23000000	ND	10	ND	10	ND	10
1,1-dichloroethene	ug/kg	900	ND	2	ND	2	ND	2
acteone	ug/kg	70000000	ND	10	ND	10	ND	10
carbon disulfide	ug/kg	7800000	ND	2	ND	2	ND	2
methylene chloride	ug/kg	34000	7	2	15	2	14	2
methyl tert-buytl ether	ug/kg	110000	ND	2	ND	2	ND	2
acrylonitrile	ug/kg	900	ND	10	ND	10	ND	10

Table 6-11 Clean Fill Analysis of 55-foot Buffer Clean Sand Backfill and Topsoil
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Compound	Units[1]	RDCSRS[1]	Amboy Aggregates Clean Sand		Cedar Hill Wetland Topsoil		Cedar Hill Upland Topsoil	
			Result[3]	Reporting Limit	Result[3]	Reporting Limit	Result[3]	Reporting Limit
trans-1,2-dichloroethene	ug/kg	300000	ND	2	ND	2	ND	2
1,1-dichloroethane	ug/kg	8000	ND	2	ND	2	ND	2
2-butanone	ug/kg	3100000	ND	10	ND	10	ND	10
cis-1,2-dichloroethene	ug/kg	230000	ND	2	ND	2	ND	2
chloroform	ug/kg	600	ND	2	ND	2	ND	2
1,1,1-tichloroethane	ug/kg	290000	ND	2	ND	2	ND	2
carbon tetrachloride	ug/kg	600	ND	2	ND	2	ND	2
benzene	ug/kg	2000	ND	2	ND	2	ND	2
1,2-dichloroethane	ug/kg	900	ND	2	ND	2	ND	2
Trichloroethene	ug/kg	7000	ND	2	ND	2	ND	2
1,2-dichloropropane	ug/kg	2000	ND	2	ND	2	ND	2
bromodichloromethane	ug/kg	1000	ND	2	ND	2	ND	2
4-methyl-2 pentanone (MIBK)	ug/kg	-	ND	10	ND	10	ND	10
cis-1,3-dichloropropene	ug/kg	2000	ND	2	ND	2	ND	2
toluene	ug/kg	6300000	ND	2	ND	2	ND	2
trans-1,3-dichloropropene	ug/kg	2000	ND	2	ND	2	ND	2
1,1,2-trichloroethane	ug/kg	2000	ND	2	ND	2	ND	2
tetracloroethene	ug/kg	2000	ND	2	ND	2	ND	2
dibromochloromethane	ug/kg	3000	ND	2	ND	2	ND	2
1,2-dibromoethane	ug/kg	8	ND	2	ND	2	ND	2
chlorobenzene	ug/kg	510000	ND	2	ND	2	ND	2
1,1,1,2-tetrachloroethane	ug/kg	1000	ND	2	ND	2	ND	2
ethylbenzene	ug/kg	7800000	ND	2	ND	2	ND	2
m,p-xylene	ug/kg	12000000	ND	4	ND	4	ND	4
o-xylene	ug/kg	23000000	ND	2	ND	2	ND	2
styrene	ug/kg	90000	ND	2	ND	2	ND	2
bromoform	ug/kg	81000	ND	2	ND	2	ND	2
Acrolein	ug/kg	500	ND	10	ND	10	ND	10
1,1,2,2-tetrachloroethane	ug/kg	1000	ND	2	ND	2	ND	10
Methyl Acetate	ug/kg	78000000	ND	10	ND	10	ND	2

Table 6-11 Clean Fill Analysis of 55-foot Buffer Clean Sand Backfill and Topsoil
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Compound	Units[1]	RDCSRS[1]	Amboy Aggregates Clean Sand		Cedar Hill Wetland Topsoil		Cedar Hill Upland Topsoil	
			Result[3]	Reporting Limit	Result[3]	Reporting Limit	Result[3]	Reporting Limit
Tert-butyl alcohol	ug/kg	1400000	ND	100	ND	100	ND	100
1,2-dibromo-3-chloropropane	ug/kg	80	ND	10	ND	10	ND	10
SVOCs								
N-Nitrosodimethylamine	ug/kg	700	ND	67	ND	67	ND	67
Bis(2-Chloroethyl)ether	ug/kg	400	ND	67	ND	67	ND	67
Phenol	ug/kg	18000000	ND	130	ND	130	ND	130
2-Chlorophenol	ug/kg	310000	ND	67	ND	130	ND	130
1,3-Dichlorobenzene	ug/kg	5300000	ND	67	ND	67	ND	67
1,4-Dichlorobenzene	ug/kg	5000	ND	130	ND	67	ND	67
1,2-Dichlorobenzene	ug/kg	5300000	ND	130	ND	67	ND	67
Benzyl alcohol	ug/kg	-	ND	67	ND	67	ND	67
Bis(2-Chloroisopropyl)ether	ug/kg	23000	ND	67	ND	67	ND	67
2-Methylphenol	ug/kg	310000	ND	67	ND	67	ND	67
Hexachloroethane	ug/kg	35000	ND	67	ND	67	ND	67
N-Nitrosodi-n-propylamine	ug/kg	200	ND	67	ND	67	ND	67
3 & 4-methylphenol	ug/kg	-	ND	67	ND	130	ND	130
nitrobenzene	ug/kg	31000	ND	67	ND	67	ND	67
isophorone	ug/kg	510000	ND	67	ND	67	ND	67
2-nitrophenol	ug/kg	-	ND	130	ND	130	ND	130
2,4-dimethylphenol	ug/kg	1200000	ND	67	ND	130	ND	130
Bis(2-Chloroethoxy)methane	ug/kg	-	ND	67	ND	67	ND	67
Benzoic acid	ug/kg	-	ND	130	ND	330	ND	330
2,4-Dichlorophenol	ug/kg	180000	ND	130	ND	130	ND	130
1,2,4-trichlorobenzene	ug/kg	73000	ND	67	ND	67	ND	67
napthalene	ug/kg	6000	ND	330	ND	67	ND	67
4-chloroaniline	ug/kg	-	ND	130	ND	67	ND	67
hexachlorobutadiene	ug/kg	6000	ND	67	ND	67	ND	67
4-chloro-3-metylphenol	ug/kg	-	ND	67	ND	130	ND	130
2-methylnaphthalene	ug/kg	230000	ND	67	ND	67	ND	67
hexachlorocyclopentadiene	ug/kg	45000	ND	67	ND	130	ND	130

Table 6-11 Clean Fill Analysis of 55-foot Buffer Clean Sand Backfill and Topsoil
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Compound	Units[1]	RDCSRS[1]	Amboy Aggregates Clean Sand		Cedar Hill Wetland Topsoil		Cedar Hill Upland Topsoil	
			Result[3]	Reporting Limit	Result[3]	Reporting Limit	Result[3]	Reporting Limit
2,4,6-trichlorophenol	ug/kg	19000	ND	130	ND	130	ND	130
2,4,5-Trichlorophenol	ug/kg	6100000	ND	67	ND	67	ND	67
2-Chloronaphthalene	ug/kg	-	ND	130	ND	67	ND	67
2-Nitroaniline	ug/kg	39000	ND	130	ND	67	ND	67
Acenaphthylene	ug/kg	-	ND	67	ND	67	ND	67
Dimethylphthalate	ug/kg	49000000	ND	67	ND	67	ND	67
2,6-Dinitrotoluene	ug/kg	700	ND	67	ND	67	ND	67
Acenaphthene	ug/kg	3400000	ND	67	ND	67	ND	67
3-Nitroaniline	ug/kg	-	ND	67	ND	67	ND	67
2,4-Dinitrophenol	ug/kg	120000	ND	67	ND	130	ND	130
Dibenzofuran	ug/kg	-	ND	67	ND	67	ND	67
2,4-dinitrotoluene	ug/kg	700000	ND	67	ND	67	ND	67
4-Nitrophenol	ug/kg	-	ND	130	ND	130	ND	130
Fluorene	ug/kg	2300000	ND	67	ND	67	ND	67
4-Chlorophenyl phenyl ether	ug/kg	-	ND	67	ND	67	ND	67
Diethyl phthalate	ug/kg	49000000	ND	67	ND	67	ND	67
4-nitroaniline	ug/kg	-	ND	67	ND	67	ND	67
4,6-Dinitro-2-methylphenol	ug/kg	6000	ND	130	ND	130	ND	130
n-nitrosodiphenylamine	ug/kg	99000	ND	67	ND	67	ND	67
4-bromophenylphenylether	ug/kg	-	ND	67	ND	67	ND	67
hexachlorobenzene	ug/kg	300	ND	67	ND	67	ND	67
pentachlorophenol	ug/kg	3000	ND	130	ND	130	ND	130
phenanthrene	ug/kg	-	ND	67	110	67	187	67
anthracene	ug/kg	17000000	ND	67	ND	67	ND	67
carbazole	ug/kg	24000	ND	67	ND	67	ND	67
Di-n-butyl phthalate	ug/kg	6100000	ND	67	ND	67	ND	67
benzidine	ug/kg	700	ND	330	ND	330	ND	330
flouranthene	ug/kg	2300000	ND	67	228	67	325	67
3,3'-Dichlorobenzidine	ug/kg	1000	ND	67	ND	67	ND	67
pyrene	ug/kg	1700000	ND	67	361	67	555	67

Table 6-11 Clean Fill Analysis of 55-foot Buffer Clean Sand Backfill and Topsoil
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Compound	Units[1]	RDCSRS[1]	Amboy Aggregates Clean Sand		Cedar Hill Wetland Topsoil		Cedar Hill Upland Topsoil	
			Result[3]	Reporting Limit	Result[3]	Reporting Limit	Result[3]	Reporting Limit
Butyl benzyl phthalate	ug/kg	1200000	ND	67	ND	67	ND	67
Benzo (a) anthracene	ug/kg	600	ND	67	119	67	156	67
chrysene	ug/kg	62000	ND	67	134	67	158	67
bis(2-ethylhexyl) phthalate	ug/kg	35000	ND	67	159	67	217	67
Di-n-octyl phthalate	ug/kg	2400000	ND	67	ND	67	ND	67
Benzo (b) flouranthene	ug/kg	600	ND	67	212	67	344	67
Benzo (k) flouranthene	ug/kg	6000	ND	67	117	67	420	67
Benzo (a) pyrene	ug/kg	200	ND	67	110	67	131	67
Indeno (1,2,3-cd) pyrene	ug/kg	35000	ND	67	ND	67	ND	67
Dibenz (a,h,) anthracene	ug/kg	200	ND	67	ND	67	ND	67
Benzo (g,h,i) perylene	ug/kg	3.8E+08	ND	67	ND	67	ND	67
Acetophenone	ug/kg	2000	ND	67	ND	67	ND	67
Caprolactan	ug/kg	78000	ND	67	ND	67	ND	67
1,1'-Biphenyl	ug/kg	3100000	ND	67	ND	67	ND	67
Atrazine	ug/kg	210000	ND	67	ND	67	ND	67
Benzaldehyde	ug/kg	6100000	ND	67	ND	67	ND	67
1,2-Diphenylhydrazine	ug/kg	700	ND	67	ND	67	ND	67
Chemistry								
Cyanide	mg/kg		ND	0.5	ND	0.5	ND	0.5
pH	pH units		8.27	0.1	5.96	0.1	7.03	0.1
% solids	%		94.5	0.1	86.4	0.1	86.9	0.1

Notes:
[1] mg/kg - milligrams per kilogram, ug/kg - micrograms per kilogram. All results are reported on a dry weight basis
[2] RDCSRS - is the New Jersey Department of Environmenal Protect Residential Direct Contact Soil Remediation Standard
[3]"ND" Indicates the analyte ws not detected above the reporting limit

Table 6-12 Vertical Barrier Wall Inspection Log
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Design Sheet pile #	Date of Inspection	Labeled as	AKA	Pile length (ft)	Rejected	Repaired?	Location of repair	Method of repair	Date of repair	Date of Installation	Date Handling Hole Sealed	Top of Sheet Coating Touch Up
1	6/25/2010	195	DC-210	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/12/2010	8/20/2010	8/20/2010
2	6/25/2010	196	DC-211	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
3	6/25/2010	197	DC-212	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
4	6/25/2010	198	DC-213	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
5	6/25/2010	199	DC-214	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
6	6/25/2010	200	DC-215	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
7	6/25/2010	201	DC-216	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
8	6/25/2010	202	DC-217	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
9	6/25/2010	203	DC-218	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
10	6/25/2010	204	DC-219	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
11	6/25/2010	205	DC-220	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
12	6/25/2010	206	DC-221	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
13	6/25/2010	207	DC-222	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
14	6/25/2010	208	DC-223	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
15	6/25/2010	209	DC-224	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
16	6/25/2010	210	DC-225	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
17	6/25/2010	211	DC-226	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
18	6/25/2010	212	DC-227	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
19	6/25/2010	184	DC-199	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/19/2010	8/20/2010
20	6/25/2010	DC193	DC193	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
21	6/25/2010	192	DC-207	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/19/2010	8/20/2010
22	6/25/2010	191	DC-206	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/19/2010	8/20/2010
23	6/25/2010	175	DC-190	20.0	Y	Y	Entire Sheet	Dry Cure	6/25/2010	8/13/2010	8/19/2010	8/20/2010
24	6/25/2010	176	DC-191	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/19/2010	8/20/2010
25	6/25/2010	177	DC-192	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/19/2010	8/20/2010
26	6/25/2010	178	DC-193	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/19/2010	8/20/2010
27	6/25/2010	213	DC-228	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/19/2010	8/20/2010
28	6/25/2010	180	DC-195	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
29	6/25/2010	182	DC-197	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
30	6/25/2010	214	DC-229	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
31	6/25/2010	188	DC-203	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
32	6/25/2010	189	DC-204	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
33	6/25/2010	190	DC-205	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
34	6/25/2010	215	DC-230	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/13/2010	8/20/2010	8/20/2010
35	6/24/2010	160	DC-175	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/13/2010	8/20/2010	8/20/2010
36	6/24/2010	161	DC-176	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/13/2010	8/20/2010	8/20/2010
37	6/24/2010	162	DC-177	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/13/2010	8/20/2010	8/20/2010
38	6/24/2010	163	DC-178	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/14/2010	8/20/2010	8/20/2010
39	6/24/2010	164	DC-179	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/14/2010	8/20/2010	8/20/2010
40	6/24/2010	165	DC-180	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/14/2010	8/20/2010	8/20/2010
41	6/24/2010	166	DC-181	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/14/2010	8/20/2010	8/20/2010
42	6/3/2010	DC-17	N/A	25.0	Y	Y	Entire Sheet	Wet	8/14/2010	8/14/2010	8/20/2010	8/20/2010
43	6/16/2010	85	DC-141	27.5	Y	Y	Entire Sheet	Dry Cure	6/23/2010	8/14/2010	8/20/2010	8/20/2010
44	6/24/2010	146	DC-155	22.5	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/14/2010	8/20/2010	8/20/2010
45	6/24/2010	145	DC-156	22.5	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/14/2010	8/20/2010	8/20/2010
46	6/24/2010	167	DC-182	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/14/2010	8/20/2010	8/20/2010
47	6/24/2010	168	DC-183	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/14/2010	8/20/2010	8/20/2010
48	6/24/2010	172	DC-187	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/14/2010	8/20/2010	8/20/2010
49	6/25/2010	181	DC-196	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/14/2010	8/20/2010	8/20/2010
50	6/25/2010	186	DC-201	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/14/2010	8/20/2010	8/20/2010
51	6/25/2010	185	DC-200	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/14/2010	8/20/2010	8/20/2010
52	6/25/2010	183	DC-198	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/14/2010	8/20/2010	8/20/2010
53	6/24/2010	144	DC-159	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/14/2010	8/20/2010	8/20/2010
54	6/24/2010	145	DC-160	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/14/2010	8/20/2010	8/20/2010
55	6/24/2010	146	DC-161	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/14/2010	8/20/2010	8/20/2010
56	6/24/2010	147	DC-162	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/14/2010	8/20/2010	8/20/2010
57	6/24/2010	148	DC-163	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/14/2010	8/20/2010	8/20/2010
58	6/24/2010	149	DC-164	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/14/2010	8/20/2010	8/20/2010
59	6/24/2010	150	DC-165	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/14/2010	8/20/2010	8/20/2010
60	6/24/2010	151	DC-166	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/14/2010	8/20/2010	8/20/2010
61	6/24/2010	152	DC-167	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/14/2010	8/20/2010	8/20/2010
62	6/24/2010	153	DC-168	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/14/2010	8/20/2010	8/20/2010
63	6/24/2010	154	DC-169	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/14/2010	8/20/2010	8/20/2010
64	6/24/2010	155	DC-170	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/14/2010	8/20/2010	8/20/2010
65	6/25/2010	216	DC-231	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/16/2010	8/20/2010	8/20/2010
66	6/25/2010	217	DC-232	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/16/2010	8/20/2010	8/20/2010
67	6/25/2010	218	DC-233	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/16/2010	8/20/2010	8/20/2010
68	6/25/2010	219	DC-234	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/16/2010	8/20/2010	8/20/2010
69	6/1/2010	N/A	N/A	20.0	N	N	N/A	N/A	N/A	6/1/2010	6/29/2010	6/29/2010
70	6/1/2010	N/A	N/A	20.0	N	N	N/A	N/A	N/A	6/1/2010	6/29/2010	6/29/2010
71	6/1/2010	N/A	N/A	20.0	N	N	N/A	N/A	N/A	6/1/2010	6/29/2010	6/29/2010
72	6/1/2010	N/A	N/A	20.0	N	Y	Top 6ft-7ft of sheetpile	Wet	6/1/2010	6/1/2010	6/29/2010	6/29/2010
73	6/1/2010	N/A	N/A	22.5	N	N	N/A	N/A	N/A	6/1/2010	6/29/2010	6/29/2010
74	6/1/2010	N/A	N/A	22.5	N	N	N/A	N/A	N/A	6/1/2010	6/29/2010	6/29/2010
75	6/2/2010	N/A	N/A	22.5	N	N	N/A	N/A	N/A	6/2/2010	6/29/2010	6/29/2010
76	6/2/2010	N/A	N/A	25.0	N	N	N/A	N/A	N/A	6/2/2010	6/29/2010	6/29/2010
77	6/2/2010	N/A	N/A	25.0	N	N	N/A	N/A	N/A	6/2/2010	6/29/2010	6/29/2010
78	6/2/2010	N/A	N/A	30.0	N	N	N/A	N/A	N/A	6/2/2010	6/29/2010	6/29/2010
79	6/2/2010	N/A	N/A	30.0	N	N	N/A	N/A	N/A	6/2/2010	6/29/2010	6/29/2010
80	6/3/2010	N/A	N/A	30.0	N	N	N/A	N/A	N/A	6/3/2010	6/29/2010	6/29/2010
81	6/3/2010	N/A	N/A	30.0	N	N	N/A	N/A	N/A	6/3/2010	6/29/2010	6/29/2010
82	6/3/2010	N/A	N/A	30.0	N	N	N/A	N/A	N/A	6/3/2010	6/29/2010	6/29/2010
83	6/3/2010	N/A	N/A	30.0	N	N	N/A	N/A	N/A	6/3/2010	6/29/2010	6/29/2010
84	6/4/2010	N/A	N/A	30.0	N	N	N/A	N/A	N/A	6/4/2010	6/29/2010	6/29/2010
85	6/4/2010	N/A	N/A	30.0	N	N	N/A	N/A	N/A	6/4/2010	6/29/2010	6/29/2010
86	6/4/2010	N/A	N/A	30.0	N	N	N/A	N/A	N/A	6/4/2010	6/29/2010	6/29/2010
87	6/4/2010	N/A	N/A	30.0	N	N	N/A	N/A	N/A	6/4/2010	6/29/2010	6/29/2010
88	6/4/2010	N/A	N/A	30.0	N	N	N/A	N/A	N/A	6/4/2010	6/29/2010	6/29/2010
89	6/4/2010	N/A	N/A	30.0	N	N	N/A	N/A	N/A	6/4/2010	6/29/2010	6/29/2010

Table 6-12 Vertical Barrier Wall Inspection Log
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Design Sheet pile #	Date of Inspection	Labeled as	AKA	Pile length (ft)	Rejected	Repaired?	Location of repair	Method of repair	Date of repair	Date of Installation	Date Handling Hole Sealed	Top of Sheet Coating Touch Up
90	6/4/2010	N/A	N/A	32.5	N	N	N/A	N/A	N/A	6/4/2010	6/29/2010	6/29/2010
91	6/4/2010	N/A	N/A	32.5	N	N	N/A	N/A	N/A	6/4/2010	6/29/2010	6/29/2010
92	6/4/2010	N/A	N/A	32.5	N	N	N/A	N/A	N/A	6/4/2010	6/29/2010	6/29/2010
93	6/4/2010	DC-23	-	32.5	Y	Y	Entire Sheet	Wet	6/4/2010	6/4/2010	6/29/2010	6/30/2010
94	6/4/2010	N/A	N/A	32.5	N	Y	Entire sheet	Wet	6/4/2010	6/4/2010	6/29/2010	6/29/2010
95	6/4/2010	N/A	N/A	32.5	N	Y	Entire sheet	Wet	6/4/2010	6/4/2010	6/29/2010	6/29/2010
96	6/4/2010	N/A	N/A	32.5	N	N	N/A	N/A	N/A	6/4/2010	6/29/2010	6/29/2010
97	6/4/2010	N/A	N/A	32.5	N	N	N/A	N/A	N/A	6/4/2010	6/29/2010	6/29/2010
98	6/4/2010	N/A	N/A	32.5	N	N	N/A	N/A	N/A	6/4/2010	6/29/2010	6/29/2010
99	6/4/2010	N/A	N/A	35.0	N	Y	2ft repair 10ft from bottom of sheet	Wet	6/4/2010	6/4/2010	6/29/2010	6/29/2010
100	6/4/2010	N/A	N/A	35.0	N	N	N/A	N/A	N/A	6/4/2010	6/29/2010	6/29/2010
101	6/4/2010	N/A	N/A	35.0	N	Y	2ft repair at top and bottom of sheet	Wet	6/4/2010	6/4/2010	6/29/2010	6/29/2010
102	6/4/2010	N/A	N/A	35.0	N	Y	3ft-4ft at top middle & bottom of sheet	Wet	6/4/2010	6/4/2010	6/29/2010	6/29/2010
103	6/7/2010	N/A	N/A	35.0	N	N	N/A	N/A	N/A	6/7/2010	6/29/2010	6/29/2010
104	6/7/2010	N/A	N/A	35.0	N	N	N/A	N/A	N/A	6/7/2010	6/29/2010	6/29/2010
105	6/4/2010	DC-24	N/A	60.0	Y	Y	Entire Sheet	Wet	6/7/2010	6/7/2010	6/29/2010	6/30/2010
106	6/5/2010	17	N/A	60	Y	Y	4 ft. section at the top 2 ft. section at the bottom	Wet	6/7/2010	6/7/2010	6/29/2010	6/30/2010
107	6/5/2010	16	N/A	60.0	Y	Y	40 ft section at the bottom	Wet	6/7/2010	6/7/2010	6/29/2010	6/30/2010
108	6/5/2010	15	N/A	60.0	Y	Y	20 ft. section at the bottom	Wet	6/7/2010	6/7/2010	6/29/2010	6/30/2010
109	6/5/2010	18	N/A	60.0	Y	Y	Entire sheet	Wet	6/7/2010	6/7/2010	6/29/2010	6/30/2010
110	6/5/2010	1	N/A	60.0	Y	Y	Entire sheet	Wet	6/7/2010	6/7/2010	6/29/2010	6/30/2010
111	6/5/2010	13	N/A	60	Y	Y	3 ft. section in the bottom middle 2 ft. section in the top middle	Wet	6/7/2010	6/7/2010	6/28/2010	6/30/2010
112	6/5/2010	8	N/A	60	Y	Y	10 ft. section in the middle 4 ft. section in the top middle 1 ft. section at the top	Wet	6/7/2010	6/7/2010	6/28/2010	6/30/2010
113	6/5/2010	7	N/A	60	Y	Y	15 ft. section in the middle 3 ft. section at the bottom	Wet	6/7/2010	6/7/2010	6/28/2010	6/30/2010
114	6/5/2010	2	N/A	60.0	Y	Y	34 ft. section at the bottom	Wet	6/7/2010	6/7/2010	6/28/2010	6/30/2010
115	6/5/2010	14	N/A	60	Y	Y	20 ft section at the bottom 4 ft. section in the middle	Wet	6/7/2010	6/7/2010	6/28/2010	6/30/2010
116	6/5/2010	5	N/A	60.0	Y	Y	20 ft. section at the top	Wet	6/7/2010	6/7/2010	6/28/2010	6/30/2010
117	6/5/2010	6	N/A	60	Y	Y	20 ft. section in the middle 2 ft. section at the top 1 ft. section at the bottom	Wet	6/7/2010	6/7/2010	6/28/2010	6/30/2010
118	6/5/2010	10	N/A	60.0	Y	Y	3 ft. section in the top middle	Wet	6/7/2010	6/7/2010	6/28/2010	6/30/2010
119	6/5/2010	12	N/A	60.0	Y	Y	45 ft. section at the top	Wet	6/7/2010	6/7/2010	6/28/2010	6/30/2010
120	6/5/2010	9	N/A	60	Y	Y	4 ft. section at the top 1 ft. section in the middle	Wet	6/7/2010	6/7/2010	6/28/2010	6/30/2010
121	6/5/2010	11	N/A	60.0	Y	Y	Entire sheet	Wet	6/8/2010	6/8/2010	6/28/2010	6/30/2010
122	6/5/2010	4	N/A	60.0	Y	Y	5 ft. section in the middle	Wet	6/8/2010	6/8/2010	6/28/2010	6/30/2010
123	6/8/2010	43	N/A	60.0	Y	Y	20 ft. section at the bottom	Wet	6/8/2010	6/8/2010	6/28/2010	6/30/2010
124	6/8/2010	44	N/A	60.0	Y	Y	15 ft. section in the middle	Wet	6/8/2010	6/8/2010	6/28/2010	6/30/2010
125	6/5/2010	19	N/A	60	Y	Y	20 ft. section at the bottom 10 ft. section in the middle	Wet	6/8/2010	6/8/2010	6/28/2010	6/30/2010
126	6/5/2010	22	N/A	60.0	Y	Y	Entire Sheet	Wet	6/8/2010	6/8/2010	6/28/2010	6/30/2010
127	6/5/2010	23	N/A	60.0	Y	Y	Entire Sheet	Wet	6/8/2010	6/8/2010	6/28/2010	6/30/2010
128	6/5/2010	21	N/A	60	Y	Y	25 ft. section at the bottom 5 ft. section at the top middle 3 ft. section in the middle 2 ft. section at the top	Wet	6/8/2010	6/8/2010	6/28/2010	6/30/2010
129	6/5/2010	3	N/A	60.0	Y	Y	Four 1.5 ft. sections throughout	Wet	6/8/2010	6/8/2010	6/28/2010	6/30/2010
130	6/5/2010	20	N/A	60.0	Y	Y	Entire sheet	Wet	6/8/2010	6/8/2010	6/28/2010	6/30/2010
131	6/5/2010	35	DC-40	60.0	Y	Y	Entire Sheet	Dry Cure	6/5/2010	6/8/2010	6/28/2010	6/30/2010
132	6/5/2010	36	DC-41	60	Y	Y	2 ft. section in the middle 10 ft. section at the bottom	Dry Cure	6/5/2010	6/8/2010	6/28/2010	6/30/2010
133	6/5/2010	32	DC-37	60.0	Y	Y	40 ft. section in the middle	Dry Cure	6/5/2010	6/8/2010	6/28/2010	6/30/2010
134	6/5/2010	31	DC-36	60.0	Y	Y	Entire Sheet	Dry Cure	6/5/2010	6/8/2010	6/28/2010	6/30/2010
135	6/5/2010	33	DC-38	60	Y	Y	2 ft. section in the top middle 3 ft. section in the bottom middle	Dry Cure	6/5/2010	6/8/2010	6/28/2010	6/30/2010
136	6/5/2010	34	DC-39	60	Y	Y	10 ft. section in the top middle 3 ft. section in the bottom middle	Dry Cure	6/5/2010	6/8/2010	6/28/2010	6/30/2010
137	6/5/2010	30	DC-35	60.0	Y	Y	Entire Sheet	Dry Cure	6/5/2010	6/9/2010	6/28/2010	6/30/2010
138	6/5/2010	27		60.0	N	N	No repair	N/A	N/A	6/16/2010	6/28/2010	6/30/2010
139	6/5/2010	28	DC-33	60	Y	Y	3 ft. section at the top 15 ft. section in the middle	Dry Cure	6/5/2010	6/17/2010	6/29/2010	6/30/2010
140	6/5/2010	25	DC-31	60.0	Y	Y	Entire Sheet	Dry Cure	6/5/2010	6/17/2010	6/29/2010	6/30/2010
141	6/5/2010	26	DC-32	60.0	Y	Y	Entire Sheet	Dry Cure	6/5/2010	6/17/2010	6/29/2010	6/30/2010
142	6/5/2010	29	DC-34	60.0	Y	Y	Entire Sheet	Dry Cure	6/5/2010	6/9/2010	6/29/2010	6/30/2010
143	6/8/2010	53	N/A	45	Y	Y	12 ft. section at the top 9 ft. section at the bottom 6 ft. section in the middle	Wet	6/9/2010	6/9/2010	6/29/2010	6/30/2010
144	6/8/2010	52	N/A	45	Y	Y	20 ft. section at the top 15 ft. section at the bottom 2 ft. section in the middle	Wet	6/9/2010	6/9/2010	6/29/2010	6/30/2010
145	6/8/2010	50	N/A	45.0	Y	Y	Entire Sheet	Wet	6/9/2010	6/9/2010	6/29/2010	6/30/2010
146	6/8/2010	48	N/A	45	Y	Y	7 ft. section in the bottom middle 3 ft. section at the bottom	Wet	6/10/2010	6/10/2010	6/29/2010	6/30/2010
147	6/8/2010	49	N/A	45	Y	Y	10 ft. section in the bottom middle 2 ft. section in the top middle	Wet	6/10/2010	6/10/2010	6/29/2010	6/30/2010
148	6/7/2010	37	N/A	45	Y	Y	25 ft. section at the top 15 ft. section at the bottom	Wet	6/10/2010	6/10/2010	6/29/2010	6/30/2010
149	6/7/2010	40	N/A	45.0	Y	Y	3 ft. section at the bottom	Wet	6/10/2010	6/10/2010	6/29/2010	6/30/2010
150	6/7/2010	38	N/A	45	Y	Y	4 ft. section at the bottom middle 5 ft. section in the middle	Wet	6/10/2010	6/10/2010	6/29/2010	6/30/2010
151	6/7/2010	42	N/A	45.0	Y	Y	Entire Sheet	Wet	6/10/2010	6/10/2010	6/29/2010	6/30/2010
152	6/7/2010	41	N/A	45.0	Y	Y	25 ft. section at the top	Wet	6/10/2010	6/10/2010	6/29/2010	6/30/2010
153	6/7/2010	39	N/A	45.0	Y	Y	Entire Sheet	Wet	6/10/2010	6/10/2010	6/29/2010	6/30/2010
154	6/9/2010	62	N/A	40	Y	Y	10 ft. section at the bottom 10 ft. section below the coating 2 ft section in the bottom middle	Wet	6/10/2010	6/10/2010	6/29/2010	6/30/2010

Table 6-12 Vertical Barrier Wall Inspection Log
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Design Sheet pile #	Date of Inspection	Labeled as	AKA	Pile length (ft)	Rejected	Repaired?	Location of repair	Method of repair	Date of repair	Date of Installation	Date Handling Hole Sealed	Top of Sheet Coating Touch Up
155	6/8/2010	45	N/A	40	Y	Y	7 ft. section at the bottom middle 3 ft. section at the bottom	Wet	6/10/2010	6/10/2010	6/29/2010	6/30/2010
156	6/8/2010	47	N/A	40.0	Y	Y	Entire Sheet	Wet	6/11/2010	6/11/2010	6/29/2010	6/30/2010
157	6/9/2010	63	N/A	35		Y	8 ft. section in the middle 2 ft. section in the bottom middle	Wet	6/11/2010	6/11/2010	6/29/2010	6/30/2010
158	6/8/2010	54	N/A	35.0	Y	Y	20 ft. section 4 feet from the bottom	Wet	6/11/2010	6/11/2010	6/29/2010	6/30/2010
159	6/8/2010	55	N/A	35	Y	Y	13 ft. section at the bottom 3 ft. section at the top	Wet	6/11/2010	6/11/2010	6/29/2010	6/30/2010
160	6/9/2010	60	DC-52	35.0		Y	1 ft. section at the top	Dry Cure	6/11/2010	6/14/2010	6/29/2010	6/30/2010
161	6/11/2010	72	N/A	35.0	Y	Y	20 ft. section in the middle	Wet	6/14/2010	6/14/2010	6/29/2010	6/30/2010
162	6/11/2010	71	DC-51	35	Y	Y	5 ft. section at the top 15 ft. section at the bottom	Dry Cure	6/11/2010	6/14/2010	6/29/2010	6/30/2010
163	6/3/2010	DC-14	N/A	32.5	Y	Y	Entire Sheet	Dry Cure	6/3/2010	6/14/2010	6/29/2010	6/30/2010
164	6/3/2010	DC-12	N/A	32.5	Y	Y	Entire Sheet	Dry Cure	6/3/2010	6/14/2010	6/29/2010	6/30/2010
165	6/3/2010	DC-13	N/A	32.5	Y	Y	4 ft. section at the top	Dry Cure	6/3/2010	6/14/2010	6/29/2010	6/30/2010
166	6/14/2010	74	N/A	32.5	Y	Y	15 ft. section at the top 2 ft. section in the middle	Wet	6/14/2010	6/14/2010	6/29/2010	6/30/2010
167	6/14/2010	73	N/A	32.5		Y	Entire Sheet	Wet	6/14/2010	6/14/2010	6/29/2010	6/30/2010
168	6/3/2010	DC-15	N/A	32.5	Y	Y	1.5 ft. section at the top	Dry Cure	6/3/2010	6/15/2010	6/29/2010	6/30/2010
169	6/9/2010	59 N/A	DC-54	32.5	Y	Y	6 ft. section at the top 20 ft. section at the bottom	Dry Cure	6/11/2010	6/15/2010	6/29/2010	6/30/2010
170	6/10/2010	66	DC-46	30.0	Y	Y	Entire Sheet	Dry Cure	6/10/2010	6/15/2010	6/29/2010	6/30/2010
171	6/3/2010	DC-2	N/A	30.0	Y	Y	Entire Sheet	Dry Cure	6/3/2010	6/15/2010	6/29/2010	6/30/2010
172	6/14/2010	76	N/A	30.0	Y	Y	Entire sheet	Wet	6/15/2010	6/15/2010	6/29/2010	6/30/2010
173	6/3/2010	DC-7	N/A	30.0	Y	Y	Entire Sheet	Dry Cure	6/3/2010	6/15/2010	6/29/2010	6/30/2010
174	6/3/2010	DC-4	N/A	30.0	Y	Y	Entire Sheet	Dry Cure	6/3/2010	6/15/2010	6/29/2010	6/30/2010
175	6/3/2010	DC-3	N/A	30.0	Y	Y	Entire Sheet	Dry Cure	6/3/2010	6/15/2010	6/29/2010	6/30/2010
176	6/3/2010	DC-6	N/A	30.0	Y	Y	Entire Sheet	Dry Cure	6/3/2010	6/15/2010	6/29/2010	6/30/2010
177	6/3/2010	DC-5	N/A	30.0	Y	Y	Entire Sheet	Dry Cure	6/3/2010	6/15/2010	6/29/2010	6/30/2010
178	6/10/2010	67	DC-47	30.0	Y	Y	Entire Sheet	Dry Cure	6/10/2010	6/15/2010	6/29/2010	6/30/2010
179	6/10/2010	64	DC-44	30.0	Y	Y	Entire sheet	Dry Cure	6/10/2010	6/15/2010	6/29/2010	6/30/2010
180	6/4/2010	DC-28	N/A	30.0	Y	Y	Entire sheet	Dry Cure	6/4/2010	6/15/2010	6/29/2010	6/30/2010
181	6/10/2010	65	DC-45	30.0	Y	Y	Entire sheet	Dry Cure	6/10/2010	6/16/2010	6/29/2010	6/30/2010
182	6/3/2010	DC-1	N/A	30.0	Y	Y	Entire Sheet	"Dry cure"	6/3/2010	6/16/2010	6/29/2010	6/30/2010
183	6/10/2010	68	DC-48	30.0	Y	Y	Entire sheet	Dry Cure	6/10/2010	6/16/2010	6/29/2010	6/30/2010
184	6/10/2010	69	DC-49	30.0	Y	Y	Entire sheet	Dry Cure	6/10/2010	6/16/2010	6/29/2010	6/30/2010
185	6/4/2010	DC-30	N/A	30.0	Y	Y	Entire sheet	Dry Cure	6/4/2010	6/16/2010	6/29/2010	6/30/2010
186	6/4/2010	DC-29	N/A	30.0	Y	Y	Entire sheet	Dry Cure	6/4/2010	6/16/2010	6/29/2010	6/30/2010
187	6/16/2010	92	N/A	27.5	Y	Y	Entire sheet	Wet	6/17/2010	6/17/2010	6/29/2010	6/30/2010
188	6/16/2010	96	N/A	27.5	Y	Y	Entire sheet	Wet	6/17/2010	6/17/2010	6/29/2010	6/30/2010
189	6/16/2010	93	N/A	27.5	Y	Y	Entire sheet	Wet	6/17/2010	6/17/2010	6/29/2010	6/30/2010
190	6/16/2010	94	N/A	27.5	Y	Y	Entire sheet	Wet	6/17/2010	6/17/2010	6/29/2010	6/30/2010
191	6/16/2010	95	N/A	27.5	Y	Y	Entire sheet	Wet	6/17/2010	6/17/2010	6/29/2010	6/30/2010
192	6/15/2010	80	DC-146	27.5	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/5/2010	8/10/2010	8/10/2010
193A	6/15/2010	79	DC-147	27.5	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/6/2010	8/10/2010	8/10/2010
194	6/15/2010	77	DC-149	27.5	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/6/2010	8/10/2010	8/10/2010
195	6/15/2010	81	DC-150	27.5	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/6/2010	8/10/2010	8/10/2010
196	6/15/2010	78	DC-145	27.5	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/6/2010	8/10/2010	8/10/2010
197	6/15/2010	82	DC-151	27.5	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/6/2010	8/10/2010	8/10/2010
198	6/3/2010	DC-8	17	27.5	Y	Y	Entire Sheet	Dry Cure	6/3/2010	8/6/2010	8/10/2010	8/10/2010
199	6/3/2010	DC-9	N/A	27.5	Y	Y	Entire Sheet	Dry Cure	6/3/2010	8/6/2010	8/10/2010	8/10/2010
200	6/16/2010	89	DC-139	27.5	Y	Y	Entire Sheet	Dry Cure	6/23/2010	8/7/2010	8/10/2010	8/10/2010
201	6/16/2010	84	DC-140	27.5	Y	Y	Entire Sheet	Dry Cure	6/23/2010	8/7/2010	8/10/2010	8/10/2010
202A	6/16/2010	86	DC-142	27.5	Y	Y	Entire Sheet	Dry Cure	6/23/2010	8/7/2010	8/10/2010	8/10/2010
203	6/16/2010	88	DC-144	27.5	Y	Y	Entire Sheet	Dry Cure	6/23/2010	8/7/2010	8/10/2010	8/10/2010
204	6/16/2010	87	DC-143	27.5	Y	Y	Entire Sheet	Dry Cure	6/23/2010	8/7/2010	8/10/2010	8/10/2010
205	6/16/2010	90	DC-138	27.5	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/7/2010	8/10/2010	8/10/2010
205X	6/16/2010	91	DC-137	27.5	Y	Y	Entire Sheet	Dry Cure	6/23/2010	8/7/2010	8/10/2010	8/10/2010
206	6/23/2010	139	N/A	32.5	N	N	N/A	N/A	N/A	8/7/2010	8/10/2010	8/10/2010
207C	6/23/2010	134	DC-129	32.5	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/9/2010	8/10/2010	8/10/2010
208	6/23/2010	133	DC-128	32.5	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/9/2010	8/10/2010	8/10/2010
209	6/3/2010	DC-21	N/A	32.5	Y	Y	Entire Sheet	Dry Cure	6/4/2010	8/9/2010	8/10/2010	8/10/2010
210	6/3/2010	DC-20	N/A	32.5	Y	Y	Entire Sheet	Dry Cure	6/4/2010	8/9/2010	8/10/2010	8/10/2010
211	6/3/2010	DC-19	N/A	32.5	Y	Y	Entire Sheet	Dry Cure	6/4/2010	8/9/2010	8/10/2010	8/10/2010
212	6/4/2010	N/A	N/A	32.5	N	Y	Entire sheet	Wet	8/9/2010	8/9/2010	8/10/2010	8/10/2010
213	6/4/2010	N/A	N/A	32.5	N	Y	Entire sheet	Wet	8/9/2010	8/9/2010	8/10/2010	8/10/2010
214	6/4/2010	N/A	DC135	32.5	N	Y	Bottom 22.5ft	Wet	8/9/2010	8/9/2010	8/10/2010	8/10/2010
215	6/23/2010	127	DC-125	35.0	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/9/2010	8/10/2010	8/10/2010
216	6/23/2010	128	DC-126	35.0	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/9/2010	8/10/2010	8/10/2010
217	6/23/2010	129	DC-127	35.0	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/9/2010	8/10/2010	8/10/2010
218	6/8/2010	56	N/A	35.0	N	N	No repair	N/A	N/A	8/9/2010	8/10/2010	8/10/2010
219	6/23/2010	121	DC-119	35.0	Y	Y	Entire Sheet	Dry Cure	6/23/2010	8/9/2010	8/10/2010	8/10/2010
220	6/23/2010	122	DC-120	35.0	Y	Y	Entire Sheet	Dry Cure	6/23/2010	8/9/2010	8/10/2010	8/10/2010
221	6/23/2010	123	DC-121	35.0	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/10/2010	8/10/2010	8/10/2010
222	6/23/2010	124	DC-122	35.0	Y	Y	Entire Sheet	Dry Cure	6/23/2010	8/10/2010	8/10/2010	8/10/2010
223	6/23/2010	125	DC-123	35.0	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/10/2010	8/10/2010	8/10/2010
224	6/23/2010	118	DC-116	35.0	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/10/2010	8/19/2010	8/20/2010
225	6/23/2010	115	DC-113	35.0	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/10/2010	8/19/2010	8/20/2010
226	6/23/2010	116	DC-114	35.0	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/10/2010	8/19/2010	8/20/2010
227	6/23/2010	117	DC-115	35.0	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/10/2010	8/19/2010	8/20/2010
228A	6/23/2010	120	DC-118	35.0	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/10/2010	8/19/2010	8/20/2010
229	6/23/2010	126	DC-124	35.0	Y	Y	Entire Sheet	Dry Cure	6/23/2010	8/10/2010	8/19/2010	8/20/2010
230	6/23/2010	119	DC-117	35.0	Y	Y	9ft from bottom of sheet	Wet	8/10/2010	8/10/2010	8/19/2010	8/20/2010
231	6/23/2010	104	DC-104	37.5	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/10/2010	8/19/2010	8/20/2010
232	6/23/2010	105	DC-107	37.5	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/10/2010	8/19/2010	8/20/2010
233	6/23/2010	103	DC-103	37.5	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/10/2010	8/19/2010	8/20/2010
234	6/23/2010	102	DC-102	37.5	Y	Y	23ft from bottom of sheet	Wet	8/10/2010	8/10/2010	8/19/2010	8/20/2010
235	6/23/2010	101	DC-101	37.5	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/10/2010	8/19/2010	8/20/2010
236	6/23/2010	106	DC-106	40.0	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/10/2010	8/19/2010	8/20/2010
237	6/8/2010	51	DC-105	45.0	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/10/2010	8/19/2010	8/20/2010
238	6/9/2010	57	DC-42	37.5	Y	Y	Entire Sheet	Dry Cure	6/23/2010	8/11/2010	8/19/2010	8/20/2010
239	6/9/2010	58	DC-43	37.5	Y	Y	Entire Sheet	Dry Cure	6/23/2010	8/11/2010	8/19/2010	8/20/2010
240	6/23/2010	100	DC-100	37.5	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/11/2010	8/19/2010	8/20/2010

Table 6-12 Vertical Barrier Wall Inspection Log
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Design Sheet pile #	Date of Inspection	Labeled as	AKA	Pile length (ft)	Rejected	Repaired?	Location of repair	Method of repair	Date of repair	Date of Installation	Date Handling Hole Sealed	Top of Sheet Coating Touch Up
241	6/8/2010	46	DC-111	40	Y	Y	31 ft to 32 ft from top of sheet 34 ft to 40 ft from top of sheet	Dry Cure	6/23/2010	8/11/2010	8/19/2020	8/20/2010
242	6/23/2010	109	DC-110	37.5	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/11/2010	8/19/2010	8/20/2010
243	6/23/2010	108	DC-109	37.5	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/11/2010	8/19/2010	8/20/2010
244	6/23/2010	107	DC-108	37.5	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/11/2010	8/19/2010	8/20/2010
245	6/9/2010	61	DC-53	35.0	Y	Y	Entire Sheet	Dry Cure	6/23/2010	8/11/2010	8/19/2010	8/20/2010
246	6/4/2010	DC-25	112	35.0	Y	Y	Entire Sheet	Dry Cure	6/23/2010	8/11/2010	8/19/2010	8/20/2010
247	6/4/2010	DC-26	113	35.0	Y	Y	Entire Sheet	Dry Cure	6/23/2010	8/11/2010	8/19/2010	8/20/2010
248	6/23/2010	110	DC-112	35.0	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/11/2010	8/19/2010	8/20/2010
249	6/23/2010	111	DC24	35.0	Y	Y	Coating repair / sealant previously repaired	Coating	6/23/2010	8/11/2010	8/19/2010	8/20/2010
250	6/4/2010	DC-27	114	35.0	Y	Y	Entire Sheet	Dry Cure	6/23/2010	8/11/2010	8/19/2010	8/20/2010
251	6/23/2010	135	DC-130	32.5	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/11/2010	8/19/2010	8/20/2010
252	6/23/2010	137	DC-132	32.5	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/11/2010	8/19/2010	8/20/2010
253	6/23/2010	136	DC-131	32.5	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/11/2010	8/19/2010	8/20/2010
254	6/23/2010	138	DC-133	32.5	Y	Y	2 ft to 9 ft from top of sheet	Dry Cure	6/23/2010	8/11/2010	8/19/2010	8/20/2010
255	6/23/2010	DC-10	10	30.0	Y	Y	Entire Sheet	Dry Cure	6/23/2010	8/12/2010	8/19/2010	8/20/2010
256	6/23/2010	DC-11	11	30.0	Y	Y	Entire Sheet	Dry Cure	6/23/2010	8/12/2010	8/19/2010	8/20/2010
257	6/23/2010	DC-22	22	30.0	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/12/2010	8/19/2010	8/20/2010
258	6/23/2010	140	DC-134	32.5	Y	Y	Entire sheet	Dry Cure	6/23/2010	8/12/2010	8/19/2010	8/20/2010
259	6/24/2010	137	DC-152	25.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/12/2010	8/19/2010	8/20/2010
260	6/24/2010	148	DC-153	25.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/12/2010	8/19/2010	8/20/2010
261	6/10/2010	70	DC-50	25.0	Y	Y	Entire Sheet	Dry Cure	6/10/2010	8/12/2010	8/20/2010	8/20/2010
262	6/24/2010	144	DC-157	22.5	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/12/2010	8/20/2010	8/20/2010
263	6/24/2010	143	DC-158	22.5	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/12/2010	8/20/2010	8/20/2010
264	6/24/2010	156	DC-171	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/12/2010	8/20/2010	8/20/2010
265	6/24/2010	157	DC-172	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/12/2010	8/20/2010	8/20/2010
266	6/24/2010	158	DC-173	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/12/2010	8/20/2010	8/20/2010
267	6/24/2010	159	DC-174	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/12/2010	8/20/2010	8/20/2010
268	6/24/2010	169	DC-184	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/12/2010	8/20/2010	8/20/2010
269	6/24/2010	170	DC-185	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/12/2010	8/20/2010	8/20/2010
270	6/24/2010	171	DC-186	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/12/2010	8/20/2010	8/20/2010
271	6/24/2010	173	DC-188	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/12/2010	8/20/2010	8/20/2010
272	6/24/2010	174	DC-189	20.0	Y	Y	Entire sheet	Dry Cure	6/24/2010	8/12/2010	8/20/2010	8/20/2010
272	6/25/2010	179	DC-194	20	Y	Y	2 ft to 3 ft from top of sheet 12 ft to 20ft from top of sheet	Dry Cure	6/25/2010	8/12/2010	8/20/2010	8/20/2010
273	6/25/2010	187	DC-202	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/12/2010	8/20/2010	8/20/2010
274	6/25/2010	193	DC-208	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/12/2010	8/20/2010	8/20/2010
275	6/25/2010	194	DC-209	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/12/2010	8/20/2010	8/20/2010
276	6/25/2010	220	DC-235	20.0	Y	Y	Entire sheet	Dry Cure	6/25/2010	8/12/2010	8/20/2010	8/20/2010

Table 6-13 Clean Fill Analysis of Undeveloped Area Cap Backfill Materials
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Compound	Units[1]	RDCSRS[2]	[4]Maddox Topsoil Result[3]	[4]EME Topsoil Result[3]	[5]Maddox Barrier/Separation Result[3]
Metals					
Aluminum	mg/kg	78000	23700	8200	4720
Antimony	mg/kg	31	ND	ND	ND
Arsenic	mg/kg	19	4.58	2.77	15
Barium	mg/kg	16000	89.4	33.5	31.1
Beryllium	mg/kg	16	0.942	0.382	0.64
Cadmium	mg/kg	78	0.272 J	0.192 J	ND
Chromium	mg/kg	120000	23.9	15	17.2
Cobalt	mg/kg	1600	9.15	2.56	4.64
Copper	mg/kg	3100	26.9	10.2	14.7
Lead	mg/kg	400	55.5	35.4	15.5
Manganese	mg/kg	110000	541	106	82
Mercury	mg/kg	23	0.123	0.043	0.024
Nickel	mg/kg	1600	16.6	5.4	7.94
Selenium	mg/kg	390	ND	ND	ND
Silver	mg/kg	390	ND	ND	ND
Thallium	mg/kg	5	0.194 J	ND	ND
Vanadium	mg/kg	78	49.7	15.5	31
Zinc	mg/kg	23000	93.1	36.9	36.2
Pesticides and PCBs					
4,4'-DDD	ug/kg	3	ND	0.00116	ND
4,4'-DDE	ug/kg	2	0.000358 J	0.00174	ND
4,4'-DDT	ug/kg	2	0.00082	0.00209	ND
Aldrin	ug/kg	0.04	ND	ND	ND
Alpha-BHC	ug/kg	0.1	ND	ND	ND
Aroclor-1016	ug/kg	0.2	ND	ND	ND
Aroclor-1221	ug/kg	0.2	ND	NN	ND
Aroclor-1232	ug/kg	0.2	ND	N	ND
Aroclor-1242	ug/kg	0.2	ND	N	ND
Aroclor-1248	ug/kg	0.2	ND	N	ND
Aroclor-1254	ug/kg	0.2	ND	0.01	ND
Aroclor-1260	ug/kg	0.2	ND	0.00357	ND
Aroclor-1262	ug/kg	0.2	-	-	ND
Aroclor-1268	ug/kg	0.2	-	-	ND
Beta-BHC	ug/kg	0.4	ND	ND	ND
Chlordane	ug/kg	0.2	0.00383 J	0.026	ND
Delta-BHC	ug/kg	0.4	-	-	ND
Dieldrin	ug/kg	0.04	0.000509	ND	ND
Endosulfan I	ug/kg	470	ND	ND	ND
Endosulfan II	ug/kg	470	ND	ND	ND
Endosulfan sulfate	ug/kg	470	ND	ND	ND
Endrin	ug/kg	23	ND	ND	ND
Endrin Aldehyde	ug/kg	0.4	-	-	ND
Endrin Ketone	ug/kg	0.4	-	-	ND
Gamma-BHC/Lindane	ug/kg	0.4	ND	ND	ND
Heptachlor	ug/kg	0.1	ND	ND	ND

Table 6-13 Clean Fill Analysis of Undeveloped Area Cap Backfill Materials
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Compound	Units[1]	RDCSRS[2]	[4]Maddox Topsoil Result[3]	[4]EME Topsoil Result[3]	[5]Maddox Barrier/Separation Result[3]
Heptachlor epoxide	ug/kg	0.07	ND	ND	ND
Methoxychlor	ug/kg	390	ND	ND	ND
Toxaphene	ug/kg	0.6	ND	ND	ND
VOCs					
1,1,1-tichloroethane	ug/kg	290	ND	ND	ND
1,1,2,2-tetrachloroethane	ug/kg	1	ND	ND	ND
1,1,2-trichloroethane	ug/kg	2	ND	ND	ND
1,1-dichloroethane	ug/kg	8	ND	ND	ND
1,1-dichloroethene	ug/kg	0.9	ND	ND	ND
1,2-dichloroethene	ug/kg	230	ND	ND	ND
1,2-dichloroethane	ug/kg	0.9	ND	ND	ND
1,2-dichloropropane	ug/kg	2	ND	ND	ND
2-butanone	ug/kg	3100	ND	ND	ND
4-methyl-2 pentanone (MIBK)	ug/kg	-	ND	ND	ND
Acrolein	ug/kg	0.0005	-	-	ND
acrylonitrile	ug/kg	0.9	ND	ND	ND
acteone	ug/kg	70000	ND	ND	ND
benzene	ug/kg	2	ND	ND	ND
bromodichloromethane	ug/kg	1	ND	ND	ND
bromoform	ug/kg	81	ND	ND	ND
bromomethane	ug/kg	25	ND	ND	ND
carbon disulfide	ug/kg	7800	ND	ND	9
carbon tetrachloride	ug/kg	0.6	ND	ND	ND
chlorobenzene	ug/kg	510	ND	ND	ND
chloroethane	ug/kg	220000	-	-	ND
chloroform	ug/kg	0.6	ND	ND	ND
Chloromethane	ug/kg	4	ND	ND	ND
cis-1,2-dichloroethene	ug/kg	230	ND	ND	ND
cis-1,3-dichloropropene	ug/kg	2	ND	ND	ND
dibromochloromethane	ug/kg	3	ND	ND	ND
dicholorodiflouromethane	ug/kg	3	ND	ND	ND
ethylbenzene	ug/kg	7800	ND	ND	ND
m,p-xylene	ug/kg	12000	ND	ND	ND
Methyl Acetate	ug/kg	78000	ND	ND	ND
Methyl tert-butyl ether	ug/kg	110000	-	-	ND
methylene chloride	ug/kg	34	ND	ND	13
Naphthalene	ug/kg	6	ND	ND	ND
o-xylene	ug/kg	23000	ND	ND	ND
styrene	ug/kg	90	ND	ND	ND
Tert-butyl alcohol	ug/kg	1400	ND	ND	ND
tetracloroethene	ug/kg	2	ND	ND	ND
toluene	ug/kg	6300	ND	ND	8
trans-1,2-dichloroethene	ug/kg	300	ND	ND	ND
trans-1,3-dichloropropene	ug/kg	2	ND	ND	ND
Trichloroethene	ug/kg	7	ND	ND	7
trichlorofluoromethane	ug/kg	23000	ND	ND	ND

Table 6-13 Clean Fill Analysis of Undeveloped Area Cap Backfill Materials
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Compound	Units[1]	RDCSRS[2]	[4]Maddox Topsoil Result[3]	[4]EME Topsoil Result[3]	[5]Maddox Barrier/Separation Result[3]
vinyl chloride	ug/kg	0.7	ND	ND	ND
SVOCs					
1,1'-Biphenyl	ug/kg	3100000	-	-	ND
1,2,4-trichlorobenzene	ug/kg	73	ND	ND	ND
1,2-Dichlorobenzene	ug/kg	5300	ND	ND	ND
1,2-Diphenylhydrazine	ug/kg	0.0007	-	-	ND
1,3-Dichlorobenzene	ug/kg	5300	ND	ND	ND
1,4-Dichlorobenzene	ug/kg	5	ND	ND	ND
2,4,5-Trichlorophenol	ug/kg	6100	ND	ND	ND
2,4,6-trichlorophenol	ug/kg	19	ND	ND	ND
2,4-Dichlorophenol	ug/kg	180	ND	ND	ND
2,4-Dimethylphenol	ug/kg	1200	ND	ND	ND
2,4-Dinitrophenol	ug/kg	120	ND	ND	ND
2,4-Dinitrotoluene	ug/kg	0.7	ND	ND	ND
2-Chloronaphthalene	ug/kg	-	ND	ND	ND
2,6-Dinitrotoluene	ug/kg	0.7	ND	ND	ND
2-Chlorophenol	ug/kg	310	ND	ND	ND
2-methylnaphthalene	ug/kg	230	ND	ND	ND
2-Methylphenol (o-Cresol)	ug/kg	310	ND	ND	ND
4-Methylphenol (p-Cresol)	ug/kg	31	ND	ND	ND
2-nitroaniline	ug/kg	0.039	-	-	ND
2-Nitrophenol	ug/kg	-	-	-	ND
3 & 4-methylphenol	ug/kg	-	ND	ND	ND
3,3'-Dichlorobenzidine	ug/kg	1	ND	ND	ND
4-chloro-3-metylphenol	ug/kg	-	ND	ND	ND
4-chloroaniline	ug/kg	-	ND	ND	ND
3-Nitroaniline	ug/kg	-	-	-	ND
4,6-Dinitro-2-methylphenol	ug/kg	0.006	-	-	ND
4-bromophenylphenylether	ug/kg	-	-	-	ND
4-chloro-3-metylphenol	ug/kg	-	-	-	ND
4-chloroaniline	ug/kg	-	-	-	ND
4-Chlorophenyl phenyl ether	ug/kg	-	-	-	ND
4-Nitroaniline	ug/kg	-	-	-	ND
4-nitrophenol	ug/kg	-	-	-	ND
Acenaphthene	ug/kg	3400	ND	ND	ND
Acenaphthylene	ug/kg	NA	ND	ND	ND
Acetophenone	ug/kg	0.002	-	-	ND
anthracene	ug/kg	17000	ND	ND	ND
Atrazine	ug/kg	210000	-	-	ND
Benzaldehyde	ug/kg	6100000	-	-	ND
benzidene	ug/kg	0.0007	-	-	ND
Benzo (a) anthracene	ug/kg	0.6	0.097	ND	ND
Benzo (a) pyrene	ug/kg	0.2	0.095	ND	ND
Benzo (b) flouranthene	ug/kg	0.6	0.097	ND	ND
Benzo (g,h,i) perylene	ug/kg	380000	0.084	ND	ND
Benzo (k) flouranthene	ug/kg	6	0.08	ND	ND

Table 6-13 Clean Fill Analysis of Undeveloped Area Cap Backfill Materials
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Compound	Units[1]	RDCSRS[2]	[4]Maddox Topsoil Result[3]	[4]EME Topsoil Result[3]	[5]Maddox Barrier/Separation Result[3]
Benzoic Acid	ug/kg	NA	ND	ND	ND
Benzyl alcohol	ug/kg	-	ND	ND	ND
Bis(2-Chloroethoxy)methane	ug/kg	-	-	-	ND
Bis(2-Chloroethyl)ether	ug/kg	0.4	ND	ND	ND
Bis(2-Chloroisopropyl)ether	ug/kg	23	ND	ND	ND
bis(2-ethylhexyl) phthalate	ug/kg	35	ND	ND	ND
Butyl benzyl phthalate	ug/kg	1200	ND	ND	ND
Caprolactam	ug/kg	31000000	-	-	ND
carbazole	ug/kg	24	ND	ND	ND
chrysene	ug/kg	62	0.103	ND	ND
Dibenz (a,h,) anthracene	ug/kg	0.2	0.038 J	ND	ND
Dibenzofuran	ug/kg	-	ND	ND	ND
Diethyl phthalate	ug/kg	49000	ND	ND	ND
Dimethylphthalate	ug/kg	NA	ND	ND	-
Di-n-butyl phthalate	ug/kg	6100	ND	ND	ND
Di-n-octyl phthalate	ug/kg	2400	ND	ND	ND
flouranthene	ug/kg	2300	0.109	ND	ND
Fluorene	ug/kg	2300	ND	ND	ND
hexachlorobenzene	ug/kg	0.3	ND	ND	ND
hexachlorobutadiene	ug/kg	6	ND	ND	ND
hexachlorocyclopentadiene	ug/kg	45	ND	ND	ND
Hexachloroethane	ug/kg	35	ND	ND	ND
Indeno (1,2,3-cd) pyrene	ug/kg	35	0.079	ND	ND
isophorone	ug/kg	510	ND	ND	ND
napthalene	ug/kg	6	ND	ND	ND
nitrobenzene	ug/kg	31	ND	ND	ND
N-Nitrosodimethylamine	ug/kg	0.7	ND	ND	ND
N-Nitrosodi-n-propylamine	ug/kg	0.2	ND	ND	ND
n-nitrosodiphenylamine	ug/kg	99	ND	ND	ND
pentachlorophenol	ug/kg	3	ND	ND	ND
phenanthrene	ug/kg	NA	0.033 J	ND	ND
Phenol	ug/kg	18000	ND	ND	ND
pyrene	ug/kg	1700	0.122	ND	ND
Chemistry					
Cyanide	mg/kg	1,600	ND	ND	ND
Hexavalent Chromium	mg/kg	20	ND	ND	-

Notes:
[1] mg/kg - milligrams per kilogram, ug/kg - micrograms per kilogram. All results are reported on a dry weight basis
[2] RDCSRS - is the New Jersey Department of Environmenal Protect Residential Direct Contact Soil Remediation Standard
[3]"ND" Indicates the analyte ws not detected above the reporting limit
[4]Analytical testing performed by S & S Environmental Sciences, Cedar Grove, NJ.
[5]Analytical testing performed by Wastestream Technology Inc, Buffalo, NJ.

Table 6-14 Undeveloped Area Cap Backfill Material QA/QC Testing Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Material/Sample I.D.	Date	Volume Delivered	ASTM D422 - Gradation													ASTM D4318 Atterberg Limits		ASTM D1557 - Modified Proctor Density		ASTM D5084
		(cy)	% Passing 4-in.	% Passing 3 1/2-in.	% Passing 2 1/2-in.	% Passing 1 1/2-in.	% Passing 3/4-in.	% Passing 3/8-in.	% Passing #4	% Passing #10	% Passing #30	% Passing #40	% Passing #60	% Passing #100	% Passing #200	Soil Classification	PI	Max Dry Density (pcf)	Optimum Moisture (%)	Permeability, k cm/s
		Spec 02200 (2010)	**100**	**90-100**	**25-60**	**0-15**	**0-5**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	-	-	-	-	-
SES No.1 Stone Source Sample	05/03/10	0	100.0	92.5	47.4	3.3	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
Parsons No.1 Stone QA Sample	9/28/2010	0-10000	100.0	100.0	75.0	4.3	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
SES No.1 Stone QC Sample 1	09/29/10	0-1000	100.0	100.0	58.5	3.2	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
SES No.1 Stone QC Sample 2	09/29/10	1000-2000	100.0	100.0	59.2	1.9	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
SES No.1 Stone QC Sample 3	09/29/10	2000-3000	100.0	100.0	59.7	4.2	0.0	-	-	-	-	-	-	-	-	-	-	-	-	-
		Spec 02200	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	Cl	11	-	-	7.8 x 10-6
SES Seperation/Barrier Source Sample	04/20/10	0	-	-	-	-	-	100.0	99.5	98	94.7	93.4	88.1	81.3	69.2	CL-ML	12	101.2	21.2	8.9 x 10-6
Parsons Seperation/Barrier QA Sample 1	09/28/10	0-10000	-	-	-	-	-	98.6	95.6	87.1	78	75.6	68.5	59.7	49.5	-	NP	102.8	20.2	2.64 x 10-6
SES Seperation/Barrier QC Sample 1	09/21/10	0-1000	-	-	-	-	-	99.4	98.5	97.6	92.1	90.1	83.8	77.1	67.1	CL	9	107.5	15.2	2.9 x 10-6
SES Seperation/Barrier QC Sample 2	09/21/10	1000-2000	-	-	-	-	-	98.3	98.2	97.7	95	93.2	86.1	80.3	72.6	CL	16	106.2	18	2.8 x 10-6
SES Seperation/Barrier QC Sample 3	09/21/10	2000-3000	-	-	-	-	-	98.5	98.5	98.1	96.0	94.8	89.9	85.1	77.9	CL	11	108.2	12.5	2.7 x 10-6
SES Seperation/Barrier QC Sample 4	09/24/10	3000-4000	-	-	-	-	-	99.5	99.2	98.8	95.3	93.8	88.7	83.6	76.5	CL	9	105.2	17.3	3.4 x 10-6
SES Seperation/Barrier QC Sample 5	09/24/10	4000-5000	-	-	-	-	-	100.0	99.9	99.1	94.8	92.8	88.2	84.4	79.2	CL	14	104.9	13.8	3.3 x 10-6
SES Seperation/Barrier QC Sample 6	09/24/10	5000-6000	-	-	-	-	-	100.0	99.2	98.7	93.0	91.1	84.6	78.5	69.9	CL	11	103.5	14.2	1.3 x 10-5
SES Seperation/Barrier QC Sample 7	09/30/10	6000-7000	-	-	-	-	-	100.0	99.9	99.2	93.7	91.6	84.7	78.1	69.4	CL	11	103.5	19.7	5.7 x 10-6
SES Seperation/Barrier QC Sample 8	09/30/10	7000-8000	-	-	-	-	-	100.0	98.8	98.2	93.0	89.7	80.8	72	62.5	CL	12	106	16	1.4 x 10-5
SES Seperation/Barrier QC Sample 9	09/30/10	8000-9000	-	-	-	-	-	100.0	100	99.8	91.8	89.8	85.1	75.5	65.4	CL	17	105.5	16.7	1.6 x 10-5
SES Seperation/Barrier QC Sample 10	09/30/10	9000-10000	-	-	-	-	-	100.0	100	99.8	89.0	85.8	78.7	72.1	63.7	CL	13	104.3	18.6	1.2 x 10-5
Parsons Seperation/Barrier QA Sample 2	10/20/10	QA 10000-20000	-	-	-	-	-	100.0	99.7	98.9	98	97.7	97.1	96.1	93.5	-	NP	98.3	21.2	1.48x10-6
SES Seperation/Barrier QC Sample 11	09/30/10	10000-11000	-	-	-	-	-	9.6	99.5	99.4	89.9	87	80.3	72.9	64.2	CL	9	105.3	19	2.1 x 10-5
SES Seperation/Barrier QC Sample 12	09/30/10	11000-12000	-	-	-	-	-	100.0	99.5	99.4	93.0	86.7	64.7	57.5	51.4	CL	8	106.7	17	1.2 x 10-5
SES Seperation/Barrier QC Sample 13	10/27/10	12000-13000	-	-	-	-	-	100.0	100	96.9	96.2	94.6	89.5	86.2	81.8	Cl	11	100.2	19.6	7.8 x 10-6
SES Seperation/Barrier QC Sample 14	10/27/10	13000-14000	-	-	-	-	-	100.0	100	99.7	98.0	96.4	87.9	83.5	77.6	CL	14	103.1	20.5	9.2 x 10-6
SES Seperation/Barrier QC Sample 15	10/27/10	14000-15000	-	-	-	-	-	100.0	99.3	94.0	91.3	91.3	81.5	76.4	68.1	CL	8	102.4	21.1	6.1 x 10-6
SES Seperation/Barrier QC Sample 16	11/01/10	15000-16000	-	-	-	-	-	100.0	100	99.5	95.9	94	87.3	82.4	75.6	CL	12	104.2	19.2	9 x 10-6
SES Seperation/Barrier QC Sample 17	11/01/10	16000-17000	-	-	-	-	-	100.0	98.9	94.7	91.9	91.9	83.5	78.7	72.6	CL	7	103.5	18.5	2.8 x 10-5
SES Seperation/Barrier QC Sample 18	11/11/10	17000-18000	-	-	-	-	-	100.0	100	99.8	96.3	94.3	82.3	76	68.6	CL	11	100.6	20.1	7.5 x 10-6
SES Seperation/Barrier QC Sample 19	11/11/10	18000-19000	-	-	-	-	-	100.0	100	100.0	96.0	93.8	82.3	75.8	67.7	CL	11	99.8	20	6.8 x 10-6
SES Seperation/Barrier QC Sample 20	11/11/10	19000-20000	-	-	-	-	-	100.0	100	99.1	93.2	90.6	78	71.2	63.1	CL	9	100.2	20.6	2 x 10-5
Parsons Seperation/Barrier QA Sample 3	10/27/10	QA 20000-30000	-	-	-	-	-	96.7	92.7	89.3	87	84.9	71.9	65.8	61.3	-	NP	99.9	20.1	9.31x10-6
SES Seperation/Barrier QC Sample 21	11/11/10	20000-21000	-	-	-	-	-	100.0	100	99.1	92.8	90.3	79.8	73.5	65.7	CL	9	101	19.3	1.2 x 10-5
SES Seperation/Barrier QC Sample 22	11/11/10	21000-22000	-	-	-	-	-	100.0	100	98.9	93.1	90.8	81.1	75.1	67.1	CL	9	100.8	19.6	1.2 x 10-5
SES Seperation/Barrier QC Sample 23	11/11/10	22000-23000	-	-	-	-	-	100.0	100	99.4	95.1	82.2	75.7	71.8	67.7	CL	9	101.4	19.2	1 x 10-5
SES Seperation/Barrier QC Sample 24	11/24/10	23000-24000	-	-	-	-	-	100.0	100	99.1	91.5	88.6	76.8	69.8	61.5	Cl-ML	7	100	20.1	2.4 x 10-5
SES Seperation/Barrier QC Sample 25	11/24/10	24000-25000	-	-	-	-	-	100.0	100	98.2	92.0	89.5	79.2	72.3	64	CL	8	100.4	20.3	2.3 x 10-5
SES Seperation/Barrier QC Sample 26	11/24/10	25000-26000	-	-	-	-	-	100.0	100	98.8	93.5	91.4	81.4	75.1	67.2	CL-ML	7	100.8	19.8	9.8 x 10-6
SES Seperation/Barrier QC Sample 27	11/24/10	26000-27000	-	-	-	-	-	100.0	100	98.8	93.1	90.3	78.8	71.8	62.9	CL-ML	7	100.9	20	1.6 x 10-5
SES Seperation/Barrier QC Sample 28	11/24/10	27000-28000	-	-	-	-	-	100.0	100	98.9	93.7	91.2	80	74.3	66.6	CL	13	98.7	19.6	3.7 x 10-5
SES Seperation/Barrier QC Sample 29	12/06/10	28000-29000	-	-	-	-	-	100.0	100	98.9	96.2	92.9	81.8	75.4	67.5	CL	9.0	104.5	20.1	7.9 x 10-6
SES Seperation/Barrier QC Sample 30	12/06/10	29000-30000	-	-	-	-	-	100.0	100	99.4	95.8	91.2	75.7	66.2	60.3	CL	10.0	102.4	19.6	3.5 x 10-5
Parsons Seperation/Barrier QA Sample 4	11/18/10	QA 30000-40000	-	-	-	-	-	89.3	86.4	81.8	77.5	74.1	65.7	59.1	54.4	-	NP	100.2	19.5	2.39x10-5
SES Seperation/Barrier QC Sample 31	12/06/10	30000-31000	-	-	-	-	-	100.0	100	98.8	94.6	90.8	78	65.2	59.2	CL-ML	7.0	102.2	18.3	2.3 x 10-5
SES Seperation/Barrier QC Sample 32	12/06/10	31000-32000	-	-	-	-	-	100.0	100	99.5	95.1	90.8	75.8	65.4	57.5	CL	10.0	99.8	18	2.4 x 10-5
SES Seperation/Barrier QC Sample 33	12/06/10	32000-33000	-	-	-	-	-	100.0	100	99.7	97.5	95.4	85.4	81.2	78.3	CL	10.0	100.1	19.6	3.4 x 10-6
SES Seperation/Barrier QC Sample 34	12/14/10	33000-34000	-	-	-	-	-	100.0	100	98.8	93.5	91.1	82.2	75.7	70.2	CL	10.0	100	19.3	1.3 x 10-5
SES Seperation/Barrier QC Sample 35	12/14/10	34000-35000	-	-	-	-	-	100.0	100	99.1	96..6	95.2	86.6	80.8	75.4	CL	13.0	101.1	20.4	8.6 x 10-6
SES Seperation/Barrier QC Sample 36	12/14/10	35000-36000	-	-	-	-	-	100.0	100	99.8	97.5	92.9	73.1	56.3	47.7	SM	5	100.5	20.1	3 x 10-5
SES Seperation/Barrier QC Sample 37	12/14/10	36000-37000	-	-	-	-	-	100.0	100	98.5	96.6	95.1	86.2	80.2	73.8	CL	15	100.3	19.6	2.8 x 10-6
SES Seperation/Barrier QC Sample 38	12/14/10	37000-38000	-	-	-	-	-	100.0	100	97.2	94.9	93.5	85.7	80.2	74.2	CL	12	101	20	2.1 x 10-6
Parsons Seperation/Barrier QA Sample 5	11/18/10	QA 40000-50000	-	-	-	-	-	98.3	95.5	87.7	82	79.7	74.5	70.2	68.3	-	NP	95.3	20.0	2.15x 10-5

Table 6-15 Undeveloped Area Cap QA In Place Permeability Testing Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Test	Date	Sample Number	In-Place Permeability, k
			ASTM D5054 (Method A) cm/s
		Spec 02200	≤ 10-5cm/sec
1	10/21/2010	Area 1	6.27x10-8
2	10/21/2010	Area 2	5.30x10-8
3	11/9/2010	Area 3	1.06x10-7
4	10/21/2010	Area 4	4.89x10-8
5	11/4/2010	Area 5	9.83x10-9
6	11/9/2010	Area 6	7.73x10-8
7	11/4/2010	Area 7	1.92x10-7
8	11/9/2010	Area 8	8.73x10-8
9	10/23/2010	Area 9	1.57x10-7
10	10/23/2010	Area 10	3.01x10-8
11	11/2/2010	Area 11	2.44x10-8
12	11/2/2010	Area 12	6.27x10-8
13	10/23/2010	Area 13	4.13x10-8
14	11/2/2010	Area 14	2.83x10-8
15	10/21/2010	Area 15	3.55x10-8
16	10/23/2010	Area 16	4.64x10-8

Table 6-16 Concrete QA/QC Testing Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Material	Required Test	Test Method	SES QC Frequency	Testing Submitted	Required	Avg Value from Testing	Parsons QA Frequency	Testing Submitted (Including source test)	Required	Average Value from Testing	CQAP Acceptance Criteria	Explanation for Deviation from CQAP or Specification Acceptance Criteria
Reinforced Concrete	Concrete Mix Design	Per ACI and ASTM Standards	Per Source/Mix Design	1	1	N/A	N/A	N/A	N/A	N/A	Complies with approved mix design. Maximum water/cement ratio: 0.488	None.
	Reinforcement Size and Spacing	Visual	All	N/A	N/A	N/A	All	N/A	N/A	N/A	In accordance with the approved rebar shop drawing	None.
	Air Entrainment (%)	ASTM C 231	1/50cy	35	35	5%	1/200cy	See Explanation	See explanation	See explanation	For Documentation	Air Entrainment of Concrete for Parsons QA cylinders were provided by Sor Technician onsite during concrete QC sampling
	Slump Testing (in.)	ASTM C143	1/50cy	35	35	7	1/200cy	See Explanation	See Explanation	See explanation	For Documentation	SlumpTesting of Concrete for Parsons QA cylinders were taken from Sor Technician onsite for concrete QC sampling
	Strength Testing (psi)	ASTM C 172	1/50cy	211	89	3663 @ 7 days 5072 @ 28 days	1/200cy	15	7	3218 @ 7 days 4171 @ 28 days	≥ 3150psi @ 7 days ≥ 4500psi @ 28 days	Concrete Testing data was reviewed by Parsons Railroad Engineer and it was concluded that the specified 4500psi was conservative and that a concrete strength of 4000 psi for a light duty railroad spur is acceptable.
	Surface Temperature	Thermometer	Daily	33	31	75	N/A	N/A	N/A	72	For Documentation	None.
	Placement	NJ PLS / level and rod	Post Construction / Daily	see Figure KSS-AB	N/A	N/A	Post Construction	See Appendix M Figure 36	N/A	N/A	Max variation from flatness: 1/4in in 10ft Max variation from true position: 1/4in	None.

Table 6-17 Clean Fill Analysis of No. 1 (Biotic Barrier) Stone
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Compound	Units[1]	RDCSRS[2]	Tilcon - Riverdale #1 Stone	
			Result[3]	Reporting Limit
Metals				
Silver	mg/kg	390	1.91	0.50
Aluminum	mg/kg	78000	6920	25.00
Arsenic	mg/kg	19	4.46	1.70
Barium	mg/kg	16000	65.7	1.00
Beryllium	mg/kg	16	ND	0.50
Cadmium	mg/kg	78	ND	1.00
Cobalt	mg/kg	1600	8.17	1.00
Chromium	mg/kg		24.2	1.00
Copper	mg/kg	3100	26.8	1.00
Mercury	mg/kg	23	ND	0.01
Manganese	mg/kg	110000	162	1.00
Nickel	mg/kg	1600	15.3	1.00
Lead	mg/kg	400	NO	4.10
Antimony	mg/kg	31	NO	1.40
Selenium	mg/kg	390	ND	1.40
Thallium	mg/kg	5	1.47	1.00
Vanadium	mg/kg	78	15.9	1.00
Zinc	mg/kg	23000	21.4	4.00
Pesticides and PCBs				
Alpha-BHC	mg/kg	0.1	ND	0.0004
Gamma-BHC/Lindane	mg/kg	0.4	ND	0.0004
Beta-BHC	mg/kg	0.4	ND	0.0004
Delta-BHC	mg/kg	-	ND	0.0004
Heptachlor	mg/kg	0.1	ND	0.0004
Aldrin	mg/kg	0.04	ND	0.0004
Heptachlor epoxide	mg/kg	0.07	ND	0.0004
4,4'-DDE	mg/kg	2	ND	0.0004
Endosulfan I	mg/kg	470	ND	0.0004
Dieldrin	mg/kg	0.04	ND	0.0004
Endrin	mg/kg	23	ND	0.0004
4,4'-DDD	mg/kg	3	ND	0.0004
Endosulfan II	mg/kg	470	ND	0.0004
4,4'-DDT	mg/kg	2	ND	0.0004
Endrin aldehyde	mg/kg	23	ND	0.0004
Methoxychlor	mg/kg	390	ND	0.0004
Endosulfan sulfate	mg/kg	470	ND	0.0004
Endrin ketone	mg/kg	-	ND	0.0004
Chlordane	mg/kg	0.2	ND	0.0067
Toxaphene	mg/kg	0.6	ND	0.0083
Aroclor-1016	mg/kg	0.2	ND	0.0033

Table 6-17 Clean Fill Analysis of No. 1 (Biotic Barrier) Stone
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Compound	Units[1]	RDCSRS[2]	Tilcon - Riverdale #1 Stone	
			Result[3]	Reporting Limit
Aroclor-1221	mg/kg	0.2	ND	0.0033
Aroclor-1232	mg/kg	0.2	ND	0.0033
Aroclor-1242	mg/kg	0.2	ND	0.0033
Aroclor-1248	mg/kg	0.2	ND	0.0033
Aroclor-1254	mg/kg	0.2	ND	0.0033
Aroclor-1260	mg/kg	0.2	ND	0.0033
Aroclor-1262	mg/kg	0.2	ND	0.0033
Aroclor-1268	mg/kg	0.2	ND	0.0033
VOCs				
dicholorodiflouromethane	mg/kg	3	ND	0.01
Chloromethane	mg/kg	4	ND	0.01
vinyl chloride	mg/kg	0.7	ND	0.01
bromomethane	mg/kg	25	ND	0.01
chloroethane	mg/kg	220	ND	0.01
trichlorofluoromethane	mg/kg	23000	ND	0.01
1,1-dichloroethene	mg/kg	0.9	ND	0.002
acteone	mg/kg	70000	ND	0.01
carbon disulfide	mg/kg	7800	ND	0.002
methylene chloride[4]	mg/kg	34	0.004	0.002
methyl tert-buytl ether	mg/kg	110	ND	0.002
acrylonitrile	mg/kg	0.9	ND	0.01
trans-1,2-dichloroethene	mg/kg	300	ND	0.002
1,1-dichloroethane	mg/kg	8	ND	0.002
2-butanone	mg/kg	3100	ND	0.01
cis-1,2-dichloroethene	mg/kg	230	ND	0.002
chloroform	mg/kg	0.6	ND	0.002
1,1,1-tichloroethane	mg/kg	290	ND	0.002
carbon tetrachloride	mg/kg	0.6	ND	0.002
benzene	mg/kg	2	ND	0.002
1,2-dichloroethane	mg/kg	0.9	ND	0.002
Trichloroethene	mg/kg	7	ND	0.002
1,2-dichloropropane	mg/kg	2	ND	0.002
bromodichloromethane	mg/kg	1	ND	0.002
4-methyl-2 pentanone (MIBK)	mg/kg	-	ND	0.01
cis-1,3-dichloropropene	mg/kg	2	ND	0.002
toluene	mg/kg	6300	ND	0.002
trans-1,3-dichloropropene	mg/kg	2	ND	0.002
1,1,2-trichloroethane	mg/kg	2	ND	0.002
tetracloroethene	mg/kg	2	ND	0.002
dibromochloromethane	mg/kg	3	ND	0.002
1,2-dibromoethane	mg/kg	0.008	ND	0.002

Table 6-17 Clean Fill Analysis of No. 1 (Biotic Barrier) Stone
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Compound	Units[1]	RDCSRS[2]	Tilcon - Riverdale #1 Stone	
			Result[3]	Reporting Limit
chlorobenzene	mg/kg	510	ND	0.002
1,1,1,2-tetrachloroethane	mg/kg	1	ND	0.002
ethylbenzene	mg/kg	7800	ND	0.002
m,p-xylene	mg/kg	12000	ND	0.004
o-xylene	mg/kg	23000	ND	0.002
styrene	mg/kg	90	ND	0.002
bromoform	mg/kg	81	ND	0.002
Acrolein	mg/kg	0.5	ND	0.01
1,1,2,2-tetrachloroethane	mg/kg	1	ND	0.002
Methyl Acetate	mg/kg	78000	ND	0.01
Tert-butyl alcohol	mg/kg	1400	ND	0.1
1,2-dibromo-3-chloropropane	mg/kg	0.08	ND	0.01
SVOCs				
N-Nitrosodimethylamine	mg/kg	0.7	ND	0.067
Bis(2-Chloroethyl)ether	mg/kg	0.4	ND	0.067
Phenol	mg/kg	18000	ND	0.13
2-Chlorophenol	mg/kg	310	ND	0.13
1,3-Dichlorobenzene	mg/kg	5300	ND	0.067
1,4-Dichlorobenzene	mg/kg	5	ND	0.067
1,2-Dichlorobenzene	mg/kg	5300	ND	0.067
Benzyl alcohol	mg/kg	-	ND	0.067
Bis(2-Chloroisopropyl)ether	mg/kg	23	ND	0.067
2-Methylphenol	mg/kg	310	ND	0.067
Hexachloroethane	mg/kg	35	ND	0.067
N-Nitrosodi-n-propylamine	mg/kg	0.2	ND	0.067
3 & 4-methylphenol	mg/kg	-	ND	0.13
nitrobenzene	mg/kg	31	ND	0.067
isophorone	mg/kg	510	ND	0.067
2-nitrophenol	mg/kg	-	ND	0.13
2,4-dimethylphenol	mg/kg	1200	ND	0.13
Bis(2-Chloroethoxy)methane	mg/kg	-	ND	0.067
Benzoic acid	mg/kg	-	ND	0.33
2,4-Dichlorophenol	mg/kg	180	ND	0.13
1,2,4-trichlorobenzene	mg/kg	73	ND	0.067
napthalene	mg/kg	6	ND	0.067
4-chloroaniline	mg/kg	-	ND	0.067
hexachlorobutadiene	mg/kg	6	ND	0.067
4-chloro-3-metylphenol	mg/kg	-	ND	0.13
2-methylnaphthalene	mg/kg	230	ND	0.067
hexachlorocyclopentadiene	mg/kg	45	ND	0.13
2,4,6-trichlorophenol	mg/kg	19	ND	0.13

Table 6-17 Clean Fill Analysis of No. 1 (Biotic Barrier) Stone
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Compound	Units[1]	RDCSRS[2]	Tilcon - Riverdale #1 Stone	
			Result[3]	Reporting Limit
2,4,5-Trichlorophenol	mg/kg	6100	ND	0.067
2-Chloronaphthalene	mg/kg	-	ND	0.067
2-Nitroaniline	mg/kg	39	ND	0.067
Acenaphthylene	mg/kg	NA	ND	0.067
Dimethylphthalate	mg/kg	49000	ND	0.067
2,6-Dinitrotoluene	mg/kg	0.7	ND	0.067
Acenaphthene	mg/kg	3400	ND	0.067
3-Nitroaniline	mg/kg	-	ND	0.067
2,4-Dinitrophenol	mg/kg	120	ND	0.13
Dibenzofuran	mg/kg	-	ND	0.067
2,4-dinitrotoluene	mg/kg	0.7		0.067
4-Nitrophenol	mg/kg	-	ND	0.13
Fluorene	mg/kg	2300	ND	0.067
4-Chlorophenyl phenyl ether	mg/kg	-	ND	0.067
Diethyl phthalate	mg/kg	49000	ND	0.067
4-nitroaniline	mg/kg	-	ND	0.067
4,6-Dinitro-2-methylphenol	mg/kg	6	ND	0.13
n-nitrosodiphenylamine	mg/kg	99	ND	0.067
4-bromophenylphenylether	mg/kg	-	ND	0.067
hexachlorobenzene	mg/kg	0.3	ND	0.067
pentachlorophenol	mg/kg	3	ND	0.13
phenanthrene	mg/kg	NA	ND	0.067
anthracene	mg/kg	17000	ND	0.067
carbazole	mg/kg	24	ND	0.067
Di-n-butyl phthalate	mg/kg	6100	ND	0.067
benzidine	mg/kg	0.7	ND	0.33
flouranthene	mg/kg	2300	ND	0.067
3,3'-Dichlorobenzidine	mg/kg	1	ND	0.067
pyrene	mg/kg	1700	ND	0.067
Butyl benzyl phthalate	mg/kg	1200	ND	0.067
Benzo (a) anthracene	mg/kg	0.6	ND	0.067
chrysene	mg/kg	62	ND	0.067
bis(2-ethylhexyl) phthalate	mg/kg	35	ND	0.067
Di-n-octyl phthalate	mg/kg	2400	ND	0.067
Benzo (b) flouranthene	mg/kg	0.6	ND	0.067
Benzo (k) flouranthene	mg/kg	6	ND	0.067
Benzo (a) pyrene	mg/kg	0.2	ND	0.067
Indeno (1,2,3-cd) pyrene	mg/kg	35	ND	0.067
Dibenz (a,h,) anthracene	mg/kg	0.2	ND	0.067
Benzo (g,h,i) perylene	mg/kg	380000	ND	0.067
Acetophenone	mg/kg	2	ND	0.067

Table 6-17 Clean Fill Analysis of No. 1 (Biotic Barrier) Stone
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Compound	Units[1]	RDCSRS[2]	Tilcon - Riverdale #1 Stone	
			Result[3]	Reporting Limit
Caprolactan	mg/kg	78	ND	0.067
1,1'-Biphenyl	mg/kg	3100	ND	0.067
Atrazine	mg/kg	210	ND	0.067
Benzaldehyde	mg/kg	6100	ND	0.067
1,2-Diphenylhydrazine	mg/kg	0.7	ND	0.067
Chemistry				
Cyanide	mg/kg	23,000	ND	ND
pH	pH units	-	8.68	9.02
% solids	%	-	99.8	99.7

Notes:
[1] mg/kg - milligrams per kilogram, ug/kg - micrograms per kilogram. All results are re

[2] RDCSRS - is the New Jersey Department of Environmenal Protect Residential Dire

[3]"ND" Indicates the analyte ws not detected above the reporting limit

[4] Testing indicated methylene chloride in the DGA sample above the RDCSRS.

Table 7-1 Monitoring Well Abandonment Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Monitoring Well	Well Permit Number	Contractor	Date of Abandonement
MW-1	26-22882	Moretrench	4/30/2009
MW-1A	26-22889	Moretrench	4/30/2009
MW-2	26-22883	Moretrench	4/30/2009
MW-3	26-22884	Moretrench	4/30/2009
MW-4	26-22885	Moretrench	4/30/2009
MW-4A	26-22890	Moretrench	4/30/2009
MW-5	26-22886	Moretrench	4/30/2009
MW-6	26-22887	Moretrench	4/30/2009
MW-7	26-22877	Moretrench	4/30/2009
MW-8	26-22878	Moretrench	4/30/2009
MW-9	26-22879	Moretrench	5/11/2010
MW-12	26-22888	Moretrench	5/4/2009
MW-12A	26-22891	Moretrench	5/4/2009
MW-13	2658627	Moretrench	5/11/2010
MW-14	26-55626	Moretrench	5/4/2009
MW-15	26-57127	Moretrench	5/11/2010
P-PZ-1	2600084982	Moretrench	5/4/2009
P-PZ-2	2600084983	Moretrench	5/4/2009
P-PZ-3	2600084981	Moretrench	5/4/2009
P-PZ-4	2600084986	Moretrench	5/4/2009
P-PZ-5	2600084987	Moretrench	5/4/2009
P-PZ-6	2600084988	Moretrench	5/4/2009
P-PW-1	260084989	Moretrench	5/4/2009
P-PW-2	2600084984	Moretrench	5/4/2009
P-PW-3	2600084985	Moretrench	5/4/2009

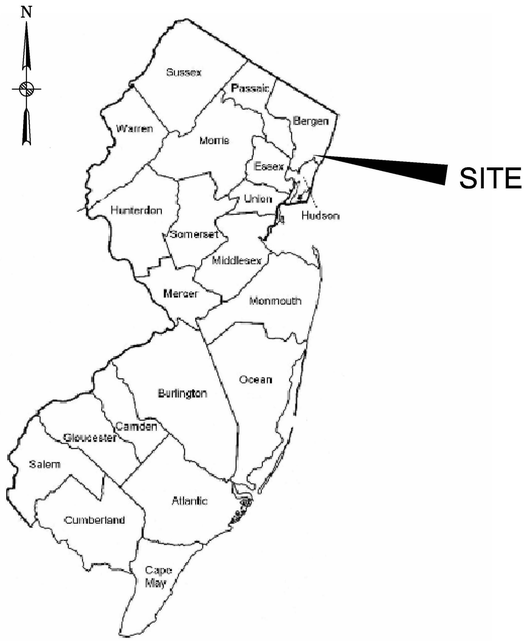
Table 7-2 Monitoring Well Installation Summary
Ventron/Velsicol Superfund Site Operable Unit-1
Wood-Ridge and Carlstadt, New Jersey

Monitoring Well	Well Permit Number	Contractor	Date of Installation
BW-MW-1	E201013862	Environmental Probing Investigation	11/1/2010
BW-MW-2	E201013869	SGS	11/2/2010
BW-MW-3	E201013884	SGS	11/9/2010
BW-MW-4	E201013885	SGS	11/4/2010
BW-MW-5	E201013886	SGS	11/12/2010
BW-MW-6	E201013870	SGS	11/10/2010
BW-MW-7	E201013877	SGS	11/5/2010
BW-MW-8	E201013878	SGS	11/5/2010
BW-PZ-1	E201013887	SGS	11/5/2010
BW-PZ-2	E201013872	SGS	11/2/2010
BW-PZ-3	E201013887	SGS	11/3/2010
BW-PZ-4	E201013888	SGS	11/3/2010
BW-PZ-5	E201013873	SGS	11/10/2010
BW-PZ-6	E201013874	SGS	11/6/2010
BW-PZ-7	E201013875	SGS	11/5/2010
BW-PZ-8	E201013876	SGS	11/5/2010
CF-MW-1	E201013889	SGS	11/9/2010
CF-MW-2	E201013890	SGS	11/9/2010
CF-MW-3	E201013891	SGS	11/9/2010
CF-MW-4	E201013892	SGS	11/11/2010
CF-MW-5	E201013895	SGS	11/4/2010
CF-MW-6	E201013896	SGS	11/4/2010
CF-MW-7	E20101389	SGS	11/12/2010
CF-MW-8	E201013898	SGS	11/11/2010
CF-MW-9	E201013899	SGS	11/11/2010
CF-MW-10	E201013900	SGS	11/10/2010
CF-MW-11	E201013901	SGS	11/10/2010
CF-MW-12	E201013902	SGS	11/10/2010
CF-PZ-1	E201013893	SGS	11/10/2010
CF-PZ-2	E201013894	SGS	11/5/2010
CF-PZ-3	E201013903	SGS	11/11/2010
CF-PZ-4	E201013904	SGS	11/12/2010

REMEDIAL ACTION REPORT
VENTRON/VELSICOL SUPERFUND SITE OU-1
WOOD-RIDGE AND CARLSTADT BOROUGHS, NJ

FIGURE LIST

SHEET NO.	REV	DESCRIPTION
FIGURE 1	-	COVER SHEET
FIGURE 2	-	GENERAL NOTES AND LEGEND
FIGURE 3	-	PRE-CONSTRUCTION SITE CONDITIONS
FIGURE 4	-	SITE STAGING PLAN AND PERMANENT AIR MONITORING STATIONS
FIGURE 5	-	LIN-MOR PROPERTY EXCAVATION AS-BUILT AND POST-EXCAVATION SAMPLE LOCATIONS
FIGURE 6	-	DRUM REMOVAL LOCATIONS
FIGURE 7	-	EXCAVATION LIMITS A, C, AND D
FIGURE 8	-	EXCAVATION LIMITS E AND F
FIGURE 9	-	EXCAVATION LIMITS G
FIGURE 10	-	EXCAVATION LIMITS H
FIGURE 11	-	EXCAVATION LIMITS I
FIGURE 12	-	EXCAVATIONS LIMITS OF FORMER DRAIN AREA
FIGURE 13	-	WEST DITCH AND 55-FT. BUFFER RESTORATION
FIGURE 14	-	VERTICAL BARRIER WALL ALIGNMENT AND COLLECTION SYSTEM
FIGURE 15	-	BARRIER WALL PROFILE SHEET 1 OF 2
FIGURE 16	-	BARRIER WALL PROFILE SHEET 2 OF 2
FIGURE 17	-	VERTICAL BARRIER WALL DETAILS
FIGURE 18	-	UNDEVELOPED AREA CAP SUBGRADE
FIGURE 19	-	CAP LIMITS - UNDEVELOPED AREA
FIGURE 20	-	CAP LIMITS - DEVELOPED AREA
FIGURE 21	-	DEVELOPED AREA CAP DETAILS SHEET 1 OF 2
FIGURE 22	-	DEVELOPED AREA CAP DETAILS SHEET 2 OF 2
FIGURE 23	-	RAILROAD SIDING AND IMPROVEMENT DETAILS
FIGURE 24	-	UNDEVELOPED AREA FINAL GRADING PLAN
FIGURE 25	-	MONITORING WELL AND PIEZOMETER LOCATION PLAN
FIGURE 26	-	NORFOLK SOUTHERN RAILROAD PROPERTY CAP AREAS & DELINEATION SAMPLING RESULTS



SITE VICINITY MAP
NTS

SITE LOCATION MAP
1" = 500'

REMEDIAL ACTION REPORT

NO.	REVISION	DWN.	CHK.	CHK.	CHK.	DATE

ROBERT C. SWABSIN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03668

MORTON INTERNATIONAL, INC.
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106-2399

JOB NO. 445806
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

VENTRON/VELSICOL SUPERFUND SITE OU-1
WOOD-RIDGE/CARLSTADT, NEW JERSEY
COVER SHEET

PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873-1148

CMG	SA	RCS	4/15/11
PRJT. MNGR.	DSGN. MNGR.	RESP. ENGR.	DATE

SHEET NUMBER: FIGURE 1
REV: –

FILE: P:\PIT\PROJECTS\ROHM & HAAS\OU-1\DRAWINGS\REMEDIAL ACTION REPORT\FIGURE 1.DWG, DATE: 04/07/2011 02:24:33PM, p0018397

LEGEND:

MW-4	MONITORING WELL
P-SB-E20	PARSONS SOIL BORING LOCATION (2007)
P-TP-8	PARSONS TEST PIT LOCATION (2007)
P-SB-HA9	PARSONS HAND AUGER LOCATION (2007)
	CURB
	RAILROAD TRACKS
	EDGE OF PAVEMENT
	BUILDING
10	MAJOR CONTOUR (OBTAINED BY BORBAS SURVEY & MAPPING, LLC. OF BOONTON, NEW JERSEY)
9	MINOR CONTOUR (OBTAINED BY BORBAS SURVEY & MAPPING, LLC. OF BOONTON, NEW JERSEY)
X	CHAIN LINK FENCE
	WETLANDS DELINEATION
	100 YEAR FLOODPLAIN
	PROPERTY LINE
	BOROUGH LINE
	RIGHT OF WAY LINE
SS	SANITARY SEWER LINE
G	GAS LINE
W	WATER LINE
E	ELECTRIC LINE
T	TELECOMMUNICATIONS LINE
SD	STORM WATER LINE
U	UNKNOWN UTILITY
OHU	OVERHEAD UTILITY
	BOLLARDS
	UTILITY POLE W/LIGHT
	UTILITY POLE
	SIGN
	FIRE HYDRANT
M	UTILITY MANHOLE
S	SEWER MANHOLE
	SEWER CLEANOUT
	CATCH BASIN
G	GAS GATE
	WATER VALVE
	VALVE
	CONCRETE PIPE SECTION
	STORM DRAIN CULVERT
E	ELECTRICAL BOX
	SITE LIMITS
PAMS-04	PERIMETER AIR MONITORING STATION

SURVEY NOTES:

1. BASEMAP COMPILED BY J. PETER BORBAS OF BOONTON, NEW JERSEY, DATED JULY 18, 2007.
2. XRF BORING LOCATION SURVEY INFORMATION OBTAINED FROM J. PETER BORBAS OF BOONTON, NEW JERSEY, BETWEEN FEBRUARY 22 AND MARCH 11, 2009.
3. AS-BUILT CONDITIONS PROVIDED BY KENNON SURVEYING SERVICES OF WARREN, NEW JERSEY. AS-BUILT FIGURES FROM KSS PRESENTED IN APPENDIX B.
4. HORIZONTAL DATUM IS NAD83 PROJECTION NEW JERSEY STATE PLANE COORDINATE SYSTEM DETERMINED BY DIFFERENTIAL GPS ON JUNE 19, 2007 USING THE NGS COR STATIONS NJ12, NJDY, AND NJMT.
5. VERTICAL DATUM IS NGVD1929 DETERMINED BY DIFFERENTIAL LEVELING USING NGS TIDAL BENCHMARKS PID-KV3467 (EL. 7.49) AND PID-KV3469 (EL 6.50)
6. EXISTING EXPLORATION LOCATIONS ARE APPROXIMATE. LOCATIONS OBTAINED FROM OVERLYING EXISTING CONDITIONS FIGURE AND FIGURE N-1 FROM REMEDIAL INVESTIGATION (RI), DATED JUNE 2004.
7. SITE LIMITS INCLUDE THE "DEVELOPED", "UNDEVELOPED" AND "OFF-SITE" AREAS OF THE PROJECT.
8. UNITS ARE IN FEET, UNLESS OTHERWISE NOTED.

SITE WORK NOTES:

1. REFERENCES TO ITEM NUMBERS ARE TO THE NEW JERSEY DEPARTMENT OF TRANSPORTATION (NJDOT) CONSTRUCTION AND MATERIAL SPECIFICATIONS. ALL ROAD, STORM WATER AND PAVEMENT CONSTRUCTION WAS DONE IN ACCORDANCE WITH NJDOT SPECIFICATIONS AND APPLICABLE BERGEN COUNTY STANDARDS, WITH THE MORE STRINGENT REQUIREMENTS GOVERNING WHERE THEY CONFLICT.
2. THE GARDEN STATE UNDERGROUND PLANT LOCATION SERVICE (ONE-CALL) WAS NOTIFIED TO MARK OUT EXISTING UNDERGROUND UTILITIES.
3. THE 55-FT. BUFFER ZONE WAS ESTABLISHED BY FIELD SURVEY OF THE MEAN HIGH TIDE ELEVATION +3.4 ALONG THE ADJACENT WATER WAYS AND OFFSETTING THE ALIGNMENT UPLAND BY 55 FEET.

EROSION AND SEDIMENT CONTROL NOTES:

1. SOIL EROSION AND SEDIMENT CONTROL PRACTICES WERE INSTALLED IN ACCORDANCE WITH THE STANDARDS FOR SOIL EROSION AND SEDIMENT CONTROL IN NEW JERSEY (NJ STANDARDS), AND MAINTAINED UNTIL PERMANENT STABILIZATION WAS ESTABLISHED.
2. SOIL EROSION AND SEDIMENT CONTROL MEASURES WERE INSPECTED AND MAINTAINED ON A REGULAR BASIS, INCLUDING AFTER EVERY STORM EVENT.

SEQUENCE OF CONSTRUCTION:

THE FOLLOWING WAS THE SEQUENCE OF CONSTRUCTION:

1. EROSION AND SEDIMENT CONTROL INSTALLATION
2. SITE CLEARING
3. SITE STAGING
4. EXCAVATION OF SITE RELATED CONTAMINATION FROM THE LIN-MOR PROPERTY
5. CONSTRUCTION WATER TREATMENT PLANT AND INFILTRATION BASIN CONSTRUCTION
6. EXCAVATION AND BACKFILL OF SOIL WITH MERCURY CONCENTRATIONS >620 MG/KG IN AREAS A, E/F, G, H, AND I (PARTIAL)
7. FORMER DRAIN LINE PIPE EXCAVATION IN AREAS DL1, AND DL2
8. EXCAVATION AND BACKFILL OF 55-FT. BUFFER ZONE EXCEPT ALONG WEST DITCH
9. EXCAVATION AND BACKFILL OF SOIL WITH MERCURY CONCENTRATIONS >620 MG/KG IN AREAS C, D, AND I (PARTIAL)
10. VERTICAL BARRIER WALL INSTALLATION
11. WEST DITCH 55-FT. BUFFER EXCAVATION AND BACKFILL
12. WEST DITCH RESTORATION
13. DEVELOPED AREA CAP AND STORMWATER CONTROL INSTALLATION
14. DEMOBILIZATION OF CONSTRUCTION WATER TREATMENT PLANT
15. UNDEVELOPED AREA CAP INSTALLATION
16. MONITORING WELL AND PIEZOMETER INSTALLATION
17. DEMOBILIZATION

REMEDIAL ACTION REPORT

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MORTON INTERNATIONAL, INC.
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PHILADELPHIA, PA 19106-2399

JOB NO. 445806
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

VENTRON/VELSICOL SUPERFUND SITE OU-1
WOOD-RIDGE/CARLSTADT, NEW JERSEY
GENERAL NOTES AND LEGEND

PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873-1148

PRJT. MNGR.	DSGN. MNGR.	RESP. ENGR.	DATE
CMG	SA	RCS	4/15/11

SHEET NUMBER: FIGURE 2
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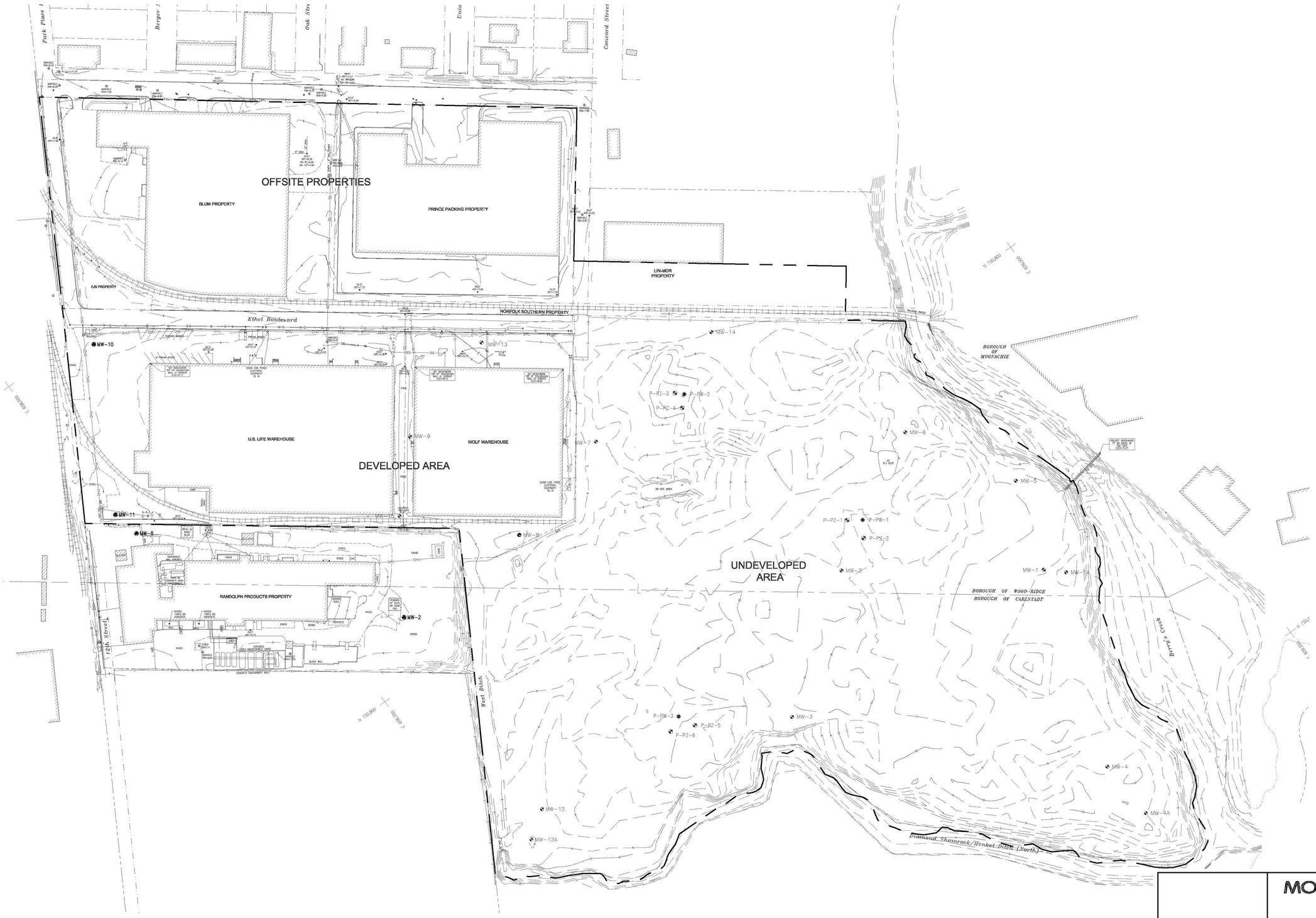

NOTES:

1. SEE FIGURE 2 FOR GENERAL NOTES AND LEGEND.

LEGEND:

MW-12	EXISTING MONITORING WELL
P-PW-1	EXISTING POREWATER WELL
P-PZ-2	EXISTING PIEZOMETER

80 40 0 80 160

SCALE: 1" = 80'

REMEDIAL ACTION REPORT

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PHILADELPHIA, PA 19106-2399

JOB NO. 445806
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

VENTRON/VELSICOL SUPERFUND SITE OU-1
WOOD-RIDGE/CARLSTADT, NEW JERSEY
PRE-CONSTRUCTION SITE CONDITIONS

PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873-1148

CMG	SA	RCS	4/15/11
PRJT. MNGR.	DSGN. MNGR.	RESP. ENGR.	DATE

SHEET NUMBER: FIGURE 3
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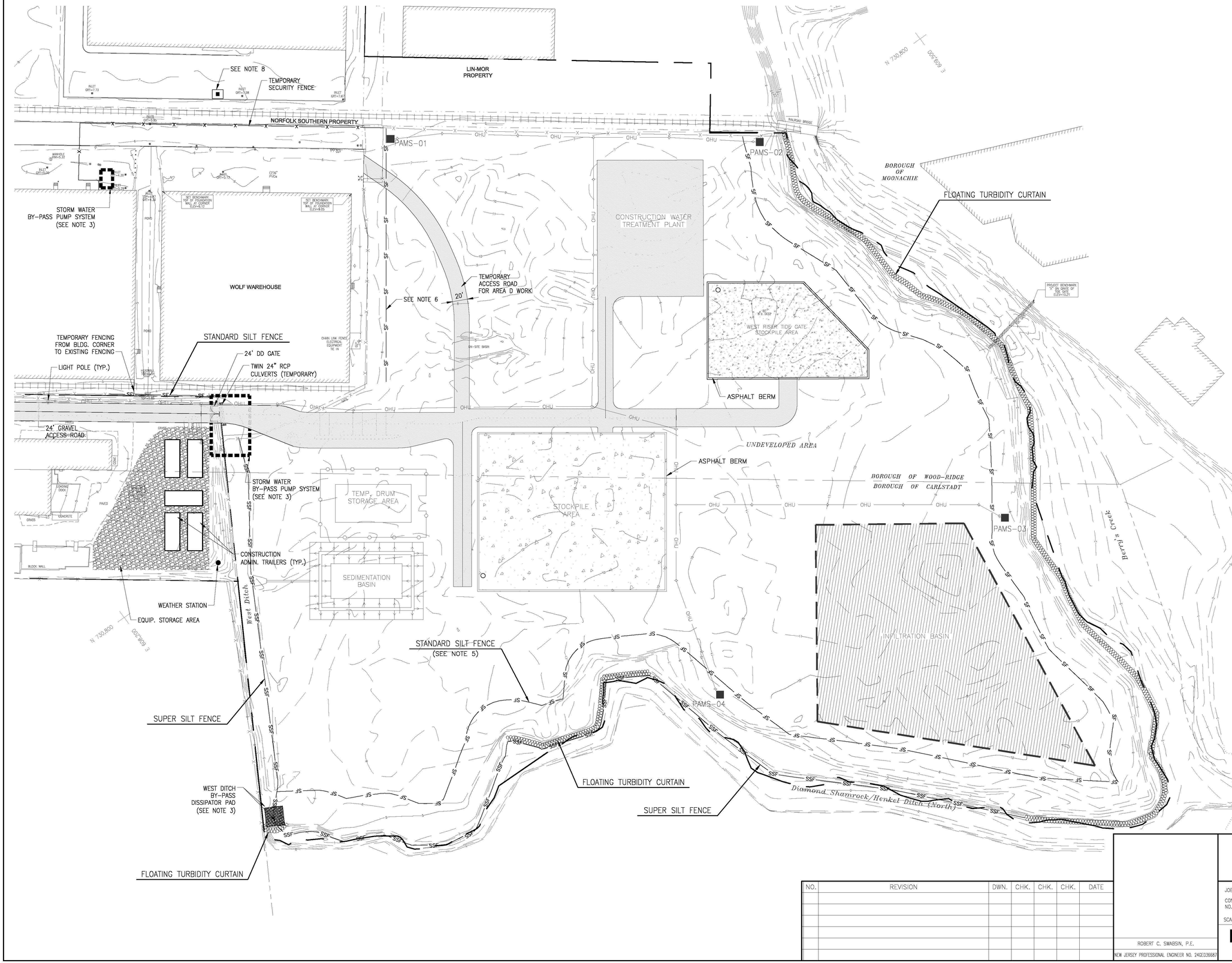

NOTES:

1. SEE FIGURE 2 FOR GENERAL NOTES AND LEGEND.
2. SILT FENCING AND FLOATING TURBIDITY CURTAIN WAS MAINTAINED BY SES THROUGHOUT CONSTRUCTION.
3. TEMPORARY STORM WATER BY-PASSES WERE INSTALLED TO CONTROL RUNOFF FROM ETHEL BOULEVARD AND CONTRIBUTING RUNOFF FROM THE REAR OF THE U.S. LIFE AND WOLF WAREHOUSES AND RANDOLPH PROPERTY. THE FOLLOWING WERE PERFORMED FOR THE BY-PASSES:
   - D50= 15" RIP-RAP APRON FOR THE TIDE GATE DISCHARGE ALSO FUNCTIONED AS THE DISSIPATOR PAD FOR THE BY-PASS SYSTEM OUTFALL.
   - PUMPS, SUMP AND DISCHARGE PIPES WERE INSTALLED FOR THE BY-PASS SYSTEM.
4. PUMPS, SUMPS, DISCHARGE PIPES AND RIP-RAP FOR THE DISSIPATOR PAD WERE SIZED FOR A 2-YEAR, 24 HOUR STORM EVENT. FLOW RATES AND VOLUMES ARE AS FOLLOWS:

	FLOW RATE (CFS)	VOLUME (CU. FT.)
BY-PASS #1	5.1	26,785
BY-PASS #2	10.1	61,114

5. SILT FENCING WAS INSTALLED AT THE LIMIT OF THE 55-FT. BUFFER ZONE, THEN MOVED 50 FEET INLAND OF THE MEAN HIGH TIDE ELEVATION 3.4 FOR CONSTRUCTION OF THE UNDEVELOPED AREA CAP.
6. SILT FENCE WAS PLACED ALONG THE SOUTH END OF THE WAREHOUSE PERIMETER AS NEEDED DURING THE CONSTRUCTION AND ESTABLISHMENT OF VEGETATION ON THE UNDEVELOPED AREA CAP.
7. THE WRTG STOCKPILE AREA AND 20' TEMPORARY ACCESS ROAD WERE INSTALLED FOLLOWING THE EXCAVATION AND BACKFILL OF AREA E/F AND I, RESPECTIVELY.
8. LOCATION OF AIR MONITORING STATION DURING DEVELOPED AREA CONSTRUCTION PHASE ONLY.

60 30 0 60 120

SCALE: 1" = 60'

REMEDIAL ACTION REPORT

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JOB NO. 445806
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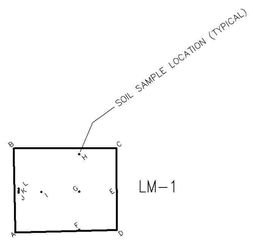
VENTRON/VELSICOL SUPERFUND SITE OU-1
WOOD-RIDGE/CARLSTADT, NEW JERSEY
SITE STAGING PLAN AND
PERMANENT AIR MONITORING STATIONS

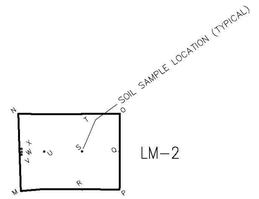
PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873-1148

CMC	SA	RCS	4/15/11
PRJT. MNGR.	DSGN. MNGR.	RESP. ENGR.	DATE

SHEET NUMBER: FIGURE 4 — REV: -

LIN-MOR PROPERTY





LEGEND:

AS-BUILT LIMITS OF EXCAVATION

AS-BUILT POST-EXCAVATION SAMPLE LOCATION

EXCAVATION & SAMPLE DATA

POINT	NORTHING	EASTING	PAVEMENT ELEVATION	BOTTOM OF EXCAVATION	DESCRIPTION
A	731071.19	608968.47	8.17	5.9	EXCAVATION LIMIT
B	731080.32	608974.79	8.12	5.9	EXCAVATION LIMIT
C	731072.37	608985.82	8.14	6.0	EXCAVATION LIMIT
D	731063.60	608979.50	8.08	5.7	EXCAVATION LIMIT
E	731067.65	608982.45	8.03		P-SS = PARSONS SOIL SAMPLE (TYPICAL)
F	731066.55	608975.50	8.07		P-SS
G	731070.60	608978.45		5.9	P-SS
H	731074.60	608981.35	7.93		P-SS
I	731073.50	608974.40	7.97		P-SS
J	731075.20	608971.93	7.95		P-SS
K	731075.38	608972.06	7.95		P-SS
L	731075.62	608972.23	7.95		P-SS
M	730951.61	609127.33	9.13	6.7	EXCAVATION LIMIT
N	730960.07	609133.06	8.74	6.6	EXCAVATION LIMIT
O	730952.20	609143.90	8.68	6.7	EXCAVATION LIMIT
P	730944.10	609138.00	8.87	6.7	EXCAVATION LIMIT
Q	730948.15	609140.95	8.77		P-SS
R	730947.05	609134.00	8.92		P-SS
S	730951.10	609136.95		6.7	P-SS
T	730955.10	609139.85	8.65		P-SS
U	730954.00	609132.90	8.8		P-SS
V	730955.43	609130.23	8.75		P-SS
W	730955.73	609130.45	8.74		P-SS
X	730956.06	609130.69	8.74	.	P-SS

NOTES:

1. SEE FIGURE 2 FOR GENERAL NOTES AND LEGEND.
2. TABLE AND LOCATIONS PROVIDED BY BORBAS SURVEYING AND MAPPING, LLC.

10 5 0 10 20

SCALE: 1"=10'

REMEDIAL ACTION REPORT

NO.	REVISION	DWN.	CHK.	CHK.	CHK.	DATE

ROBERT C. SWABSIN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03668?

MORTON INTERNATIONAL, INC.
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106-2399

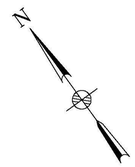
JOB NO. 445806
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

VENTRON/VELSICOL SUPERFUND SITE OU-1
WOOD-RIDGE/CARLSTADT, NEW JERSEY
LIN-MOR PROPERTY EXCAVATION AS-BUILT AND POST-EXCAVATION SAMPLE LOCATIONS

PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873-1148

CMG	SA	RCS	4/15/11
PRJT. MNGR.	DSGN. MNGR.	RESP. ENGR.	DATE

SHEET NUMBER: FIGURE 5
REV: -



NOTES:

1. SEE FIGURE 2 FOR GENERAL NOTES AND LEGEND.
2. AS-BUILT SURVEY INFORMATION COMPILED FROM KENNON SURVEYING SERVICES, INC. DATED DECEMBER 6, 2010, AND BORBAS SURVEYING AND MAPPING, LLC. DATED JANUARY 28, 2009.

LEGEND:

DRUM 179	DRUM LOCATION PROVIDED BY KENNON SURVEYING SERVICES, INC.
P-080	DRUM LOCATION PROVIDED BY BORBAS SURVEYING AND MAPPING, LLC.

50 25 0 50 100

SCALE: 1" = 50'

REMEDIAL ACTION REPORT

NO.	REVISION	DWN.	CHK.	CHK.	CHK.	DATE

ROBERT C. SWABSIN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03668?

MORTON INTERNATIONAL, INC.
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106-2399

JOB NO. 445806
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

VENTRON/VELSICOL SUPERFUND SITE OU-1
WOOD-RIDGE/CARLSTADT, NEW JERSEY
DRUM
REMOVAL LOCATIONS

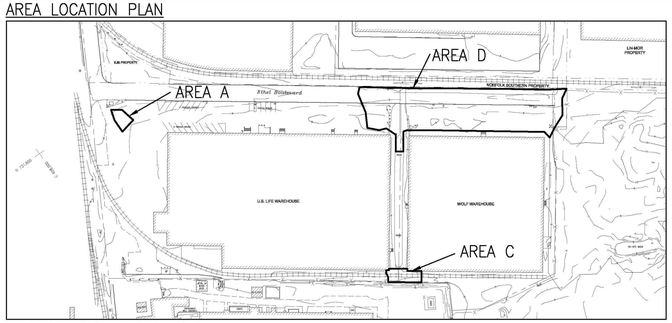
PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873-1148

CMG	SA	RCS	4/15/11
PRJT. MNGR.	DSGN. MNGR.	RESP. ENGR.	DATE

SHEET NUMBER: FIGURE 6 — REV: –

FILE: P:\PIT\PROJECTS\ROHM & HAAS\OU-1\DRAWINGS\REMEDIAL ACTION REPORT\FIGURE 6.DWG, DATE: 04/07/2011 02:45:17PM, pD018397

AREA LOCATION PLAN



EXCAVATION INFORMATION

AREA ID	AREA (SQ FT)	ELEVATION1 OF SOIL WITH HG > 620 MG/KG TOP	ELEVATION1 OF SOIL WITH HG > 620 MG/KG BOTTOM	ESTIMATED ELEVATION OF GS	ESTIMATED THICKNESS OF SOILS WITH HG >620 mg/kg TO EXCAVATE (FT)	APPROXIMATE VOLUME (CU YDS)	AS-BUILT ELEVATION BOTTOM OF EXCAVATION	LAST DATE OF BOTTOM OF EXCAVATION FIELD MEASUREMENTS	VOLUME OF EXCAVATED MATERIAL CU. YDS.	AS-BUILT ELEVATION BOTTOM OF SCREENED MATERIAL
A	883.5	GS	3.8	7.6	3.8	124	3.7	11/10/2009	127	N/A

AREA ID	AREA (SQ FT)	ELEVATION OF SOIL WITH HG > 620 MG/KG TOP	ELEVATION OF SOIL WITH HG > 620 MG/KG BOTTOM	ESTIMATED ELEVATION OF GS	ESTIMATED THICKNESS OF SOILS WITH HG >620 mg/kg TO EXCAVATE (FT)	APPROXIMATE VOLUME (CU YDS)	AS-BUILT ELEVATION BOTTOM OF EXCAVATION	LAST DATE BOTTOM OF EXCAVATION FIELD MEASUREMENTS	VOLUME OF EXCAVATED MATERIAL CU YDS.	AS-BUILT ELEVATION BOTTOM OF SCREENED MATERIAL
C-1	1388.2	GS	3	4.2	1.2	62	2.8	4/16/2010	74	N/A
					TOTAL (cu yds) =	62			74	

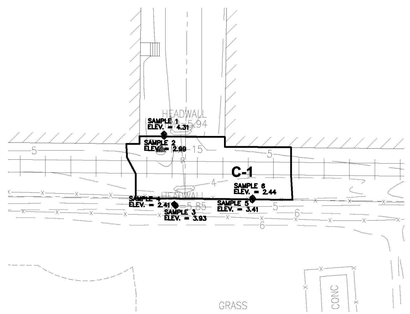
AREA ID	AREA (SQ FT) FROM CONST. PLANS	ELEVATION1 OF SOIL WITH HG > 620 MG/KG TOP	ELEVATION1 OF SOIL WITH HG > 620 MG/KG BOTTOM	ESTIMATED ELEVATION OF GS	ESTIMATED THICKNESS OF SOILS WITH HG >620 mg/kg TO EXCAVATE (FT)	APPROXIMATE VOLUME (CU YDS)	AS-BUILT ELEVATION BOTTOM OF EXCAVATION	LAST DATE OF BOTTOM OF EXCAVATION FIELD MEASUREMENTS	VOLUME OF EXCAVATED MATERIAL CU. YDS.
D-1	385.2	GS	4.4	6.2	1.8	26	4	5/28/2010	31
D-2	364.0	GS	1.9	6.1	4.2	57	1.8	5/28/2010	61
D-3	413.7	GS	-0.3	6.1	6.4	98	-0.5	5/1/2010	101
D-4	1122.8	GS	-23.6	6.2	29.8	1239	-23.9	7/17/2010	613
D-5	2551.3	GS	-10	6	16	1512	-10.2	8/9/2010	1631
D-6	1341.9	GS	0	5.1	5.1	253	-0.2	6/9/2010	263
D-7	684.7	GS	-5.7	6.6	12.3	312	-6	7/29/2010	200
D-7a							-14.4	7/27/2010	199
D-8	1273.3	GS	2.6	6	3.4	160	2.4	6/10/2010	170
D-9	6010.1	GS	-2.3	6.1	8.4	1870	-2.5	6/16/2010	1914
D-10	990.9	GS	-3.6	6.8	10.4	382	-3.9	7/29/2010	393
D-11	472.1	GS	1.1	6.7	5.6	98	0.9	6/16/2010	101
D-12	767.8	GS	-3.3	6.9	10.2	290	-3.8	6/2/2010	304
D-13	1947.4	GS	3.4	6.5	3.1	224	3.2	6/16/2010	238
D-14	2764.0	4.8	-2.4	6.7	7.3	747	-2.7	8/2/2010	962
D-15	1836.3	GS	-0.6	6.2	6.6	462	-0.8	6/28/2010	476
D-16	410.5	GS	-16.1	6	22.1	336	-16.2	7/30/2010	405
D-17	486.9	GS	-16	6.3	22.3	402	-16.1	7/29/2010	474
D-18	4096.8	GS	0.7	5.7	5	759	0.3	6/2/2010	819
D-19	703.2	GS	-4.3	4.9	9.2	257	-4.5	6/3/2010	282
D-20	486.6	GS	3.4	4.6	1.2	22	3.2	5/24/2010	25
				TOTAL (cu yds) =		9508			9742

NOTES:

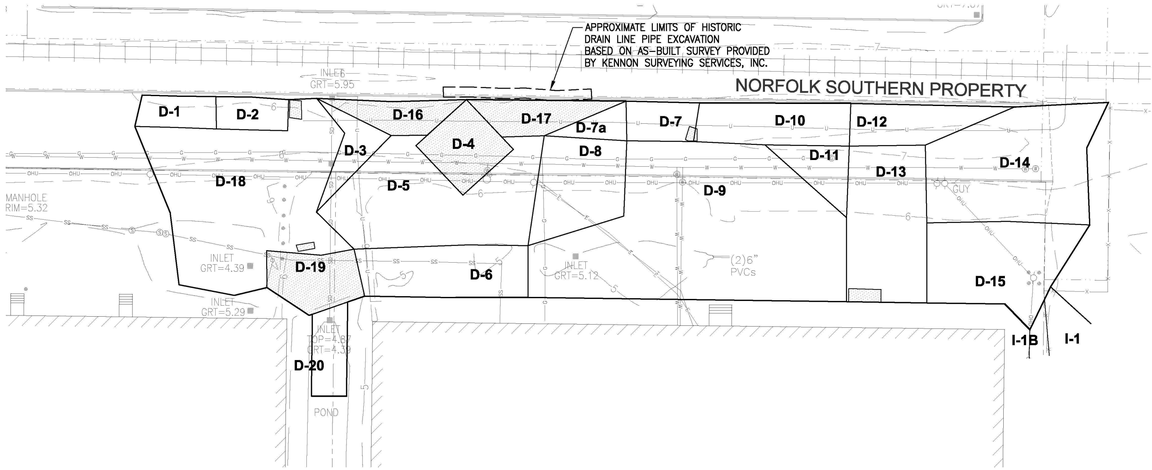
1. SEE FIGURE 2 FOR GENERAL NOTES AND LEGEND.
2. SURVEY AS–BUILT EXCAVATION VOLUMES ARE BASED ON A COMPARISON BETWEEN AS–BUILT EXCAVATION ELEVATIONS AND PRE–CONSTRUCTION GROUND SURFACE ELEVATIONS.
3. ESTIMATED ELEVATION OF GROUND SURFACE IS BASED ON HIGHEST ELEVATION OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG OBSERVED IN DELINEATION BORINGS FOR THE REFERENCED SUB–AREA. "GS" INDICATES SOILS WITH CONTAMINATION GREATER THAN 620 MG/KG BEGIN AT GROUND SURFACE.
4. BOTTOM OF EXCAVATION IS BASED ON LOWEST ELEVATION OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG OBSERVED IN DELINEATION BORINGS FOR THE REFERENCED SUB–AREA. AS–BUILT BOTTOM OF EXCAVATION CALCULATED AS AVERAGE FROM SPOT GRADES.
5. APPROXIMATE THICKNESS OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG IS BASED ON AVERAGE ELEVATIONS OBSERVED IN DELINEATION BORINGS FOR THE REFERENCED SUB–AREA.
6. ESTIMATED ELEVATION OF GROUND SURFACE BASED ON AVERAGE ELEVATION OBSERVED IN DELINEATION BORINGS FOR REFERENCED SUB–AREA.
7. MATERIALS CONTAINING ELEMENTAL MERCURY, AS DELINEATED ON PARSONS DEVELOPED AREA RAW FIGURE 4, ISSUED NOVEMBER 15, 2008 AND OBSERVED DURING EXCAVATION, WERE STOCK–PILED FOR OFF–SITE DISPOSAL, SEGREGATED IN A SEPARATE PILE FROM SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG. ELEMENTAL MERCURY EXCAVATION SURVEY AS–BUILT DOCUMENTATION IS PROVIDED IN APPENDIX E.
8. MATERIALS CONTAINING ELEMENTAL MERCURY WERE PROHIBITED FROM BEING PROCESSED IN THE SCREENING PLANT.
9. AREA C TARGETED POST–REMEDIATION SAMPLES WERE COLLECTED AS NOTED IN THE DEVELOPED AREA RAW. SEE REMEDIAL ACTION REPORT TABLE 3–2 FOR SUPPLEMENTAL SAMPLE RESULTS.
10. EXCAVATION INFORMATION TABLE AND AS–BUILT SURVEY INFORMATION COMPILED BY KENNON SURVEYING SERVICES, INC. OF WARREN, NEW JERSEY, FOR AREA D DATED AUGUST 2, 2010, AREA A DATED FEBRUARY 9, 2010, AREA C DATED DECEMBER 17, 2010, AND ADDITIONAL ELEMENTAL MERCURY EXCAVATION DATED DECEMBER 23, 2010.

AREA A

AREA C



AREA D



30 15 0 30 60

SCALE: 1" = 30'

LEGEND:

- ◆ AREA C POST–REMEDIATION SAMPLE
- AS–BUILT LIMITS OF EXCAVATIONS
- AS–BUILT LIMITS OF ELEMENTAL MERCURY EXCAVATIONS
- **D-1** EXCAVATION SUB–AREA ID

REMEDIAL ACTION REPORT

NO.	REVISION	DWN.	CHK.	CHK.	CHK.	DATE

ROBERT C. SWABSIN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03668?

MORTON INTERNATIONAL, INC.
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106–2399

JOB NO. 445805
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

VENTRON/VELSICOL SUPERFUND SITE OU–1
WOOD–RIDGE/CARLSTADT, NEW JERSEY
EXCAVATION LIMITS
A, C, AND D

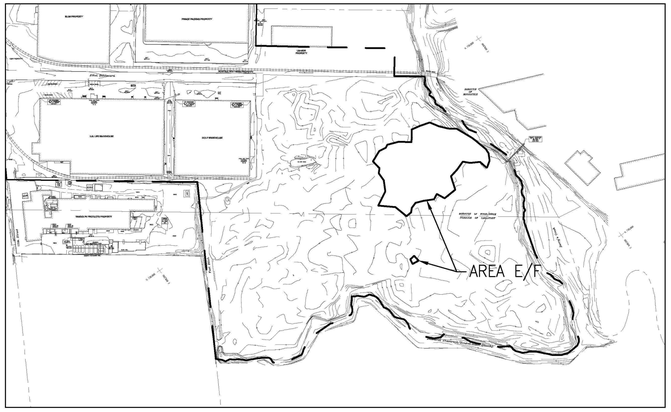
PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873–1148

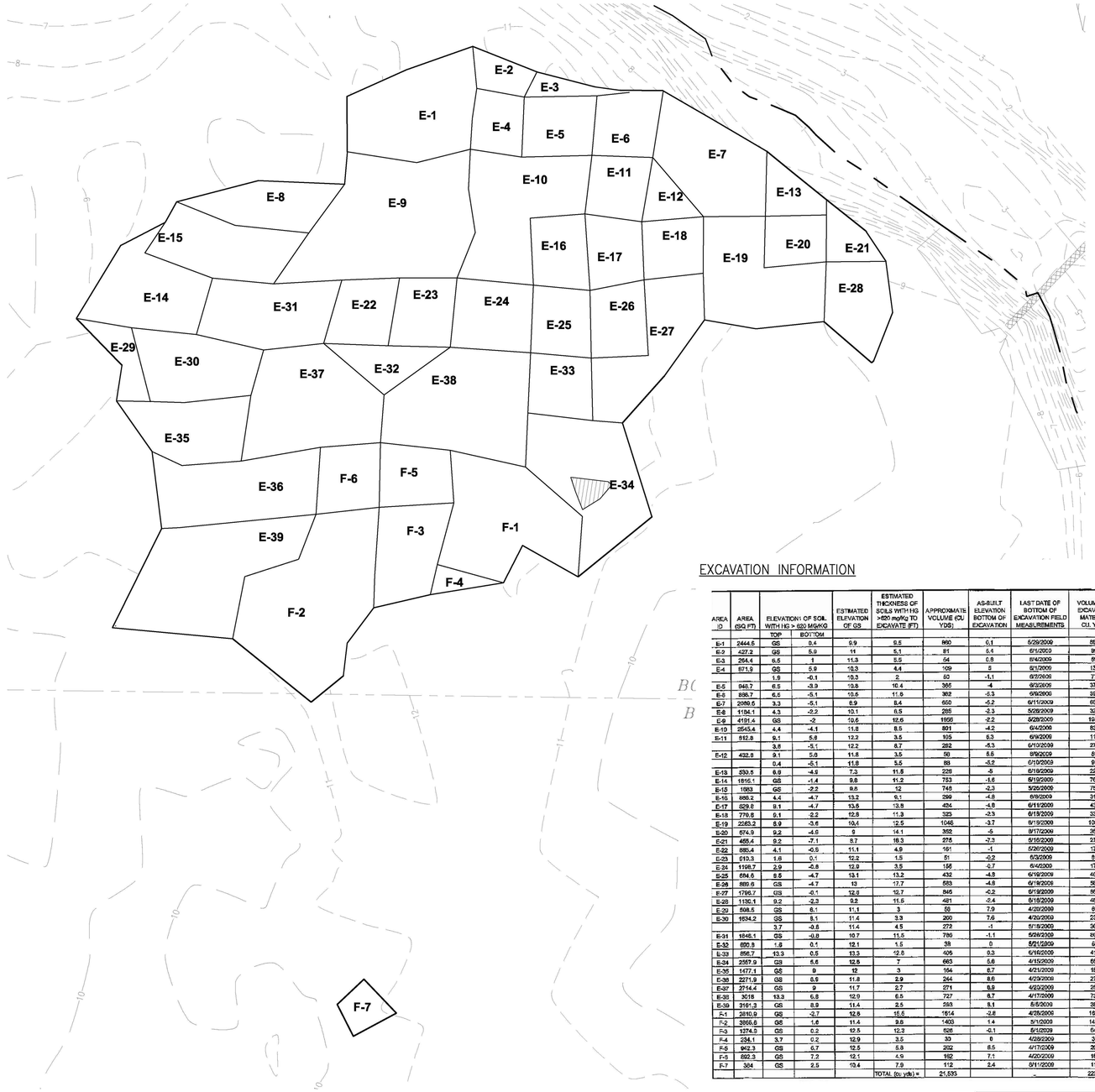
CMG	SA	RCS	4/15/11
PRJT. MNGR.	DSGN. MNGR.	RESP. ENGR.	DATE

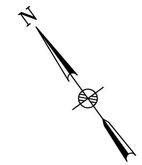
SHEET NUMBER
FIGURE 7
REV –

FILE: P:\PIT\PROJECTS\ROHM & HAAS\OU–1\DRAWINGS\REMEDIAL ACTION REPORT\FIGURE 7.DWG, DATE: 04/07/2011 02:47:55PM, p0018397

AREA LOCATION PLAN







NOTES:

1. SEE FIGURE 2 FOR GENERAL NOTES AND LEGEND.
2. SURVEY VOLUMES ARE BASED ON A COMPARISON BETWEEN AS-BUILT EXCAVATION ELEVATIONS AND PRE-CONSTRUCTION GROUND SURFACE ELEVATIONS.
3. TOP OF EXCAVATION IS BASED ON HIGHEST ELEVATION OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG OBSERVED IN DELINEATION BORINGS IN THE RESPECTIVE SUB-AREA. "GS" INDICATES SOILS WITH CONTAMINATION GREATER THAN 620 MG/KG AT GROUND SURFACE.
4. BOTTOM OF EXCAVATION IS BASED ON LOWEST ELEVATION OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG OBSERVED IN DELINEATION BORINGS IN THE RESPECTIVE SUB-AREA. AS-BUILT BOTTOM OF EXCAVATION CALCULATED AS AVERAGE FROM SPOT GRADES.
5. APPROXIMATE THICKNESS OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG BASED UPON AVERAGE ELEVATIONS OBSERVED IN DELINEATION BORINGS IN EXCAVATION SUB-AREA.
6. ESTIMATED ELEVATION OF GROUND SURFACE BASED UPON AVERAGE ELEVATIONS OBSERVED IN DELINEATION BORINGS IN EXCAVATION SUB-AREA.
7. CLEAN OVERBURDEN THICKNESS IS DEFINED AS BEING THE ESTIMATED ELEVATION OF GROUND SURFACE (GS) MINUS TOP ELEVATION OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG. WHERE TOP OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG IS "GS", THEN OVERBURDEN IS 0.
8. EXCAVATION INFORMATION TABLE AND AS-BUILT SURVEY INFORMATION COMPILED BY KENNON SURVEYING SERVICES, INC. OF WARREN, NEW JERSEY, DATED AUGUST 14, 2009.
9. MATERIALS CONTAINING ELEMENTAL MERCURY WERE PROHIBITED FROM BEING PROCESSED IN THE SCREENING PLANT.

LEGEND:

AS-BUILT LATERAL LIMITS OF EXCAVATIONS

AS-BUILT LATERAL LIMITS OF PAINT IMPACTED SOIL EXCAVATION

E-1 EXCAVATION SUB-AREA ID

30 15 0 30 60

SCALE: 1" = 30'

EXCAVATION INFORMATION

AREA ID	AREA (SQ FT)	ELEVATION OF SOIL WITH HG > 620 MG/KG		ESTIMATED ELEVATION OF GS	ESTIMATED THICKNESS OF SOILS WITH HG >620 mg/kg TO EXCAVATE (FT)	APPROXIMATE VOLUME (CU YDS)	AS-BUILT ELEVATION BOTTOM OF EXCAVATION	LAST DATE OF BOTTOM OF EXCAVATION FIELD MEASUREMENTS	VOLUME OF EXCAVATED MATERIAL CU. YDS.	AS-BUILT ELEVATION BOTTOM OF SCREENED MATERIAL
		TOP	BOTTOM							
E-1	2444.5	GS	0.4	9.9	9.5	860	0.1	5/29/2009	897	0.1
E-2	427.2	GS	5.9	11	5.1	81	5.4	6/1/2009	89	5.4
E-3	264.4	6.5	1	11.3	5.5	54	5.8	6/4/2009	59	5.8
E-4	671.9	GS	5.9	10.3	4.4	109	5	5/1/2009	132	5
		1.9	-0.1	10.3	2	50	-1.1	6/2/2009	77	-1.1
E-5	948.7	6.5	-3.9	10.8	10.4	365	-4	6/3/2009	379	-4
E-6	896.7	6.6	-5.1	10.6	11.9	362	-5.3	5/8/2009	396	5.3
E-7	2098.5	3.2	-5.1	8.9	8.4	650	-5.2	6/11/2009	653	-5.2
E-8	1184.1	4.3	-2.2	10.1	6.5	285	-2.3	5/28/2009	320	0.8
E-9	4191.4	GS	-2	10.6	12.6	1956	-2.2	5/29/2009	1987	0.2
E-10	2545.4	4.4	-4.1	11.8	8.5	891	-4.2	6/4/2009	830	-4.2
E-11	512.8	6.1	5.8	12.2	3.5	105	5.3	6/9/2009	117	5.3
		3.8	-5.1	12.2	8.7	282	-5.3	6/10/2009	274	-5.3
E-12	432.8	9.1	5.8	11.8	3.5	56	5.8	5/8/2009	59	5.8
		0.4	-5.1	11.8	5.5	89	-5.2	6/10/2009	98	N/A
E-13	530.5	6.9	-4.9	7.3	11.8	226	-5	6/15/2009	226	-5
E-14	1815.1	GS	-1.4	9.8	11.2	753	-1.6	5/12/2009	765	1.2
E-15	1983	GS	-2.2	9.6	12	748	-2.3	5/20/2009	754	1
E-16	889.2	4.4	-4.7	13.2	9.1	299	-4.8	5/8/2009	311	-4.8
E-17	829.6	9.1	-4.7	13.6	13.8	424	-4.8	6/11/2009	430	-4.8
E-18	770.8	9.1	-2.2	12.8	11.3	325	-2.3	6/19/2009	331	-2.3
E-19	2263.2	8.9	-3.6	10.4	12.5	1046	-3.7	6/19/2009	1081	-3.7
E-20	574.9	9.2	-4.6	9	14.1	302	-5	9/17/2009	266	-5
E-21	455.4	9.2	-7.1	8.7	16.3	275	-7.3	5/15/2009	270	-7.3
E-22	885.4	4.1	-0.5	11.1	4.9	161	-1	5/20/2009	177	0.4
E-23	510.3	1.6	0.1	12.2	1.5	51	-0.2	5/3/2009	51	-0.2
E-24	1198.7	2.9	-5.8	12.9	3.5	156	-0.7	5/4/2009	177	-0.7
E-25	684.6	8.5	-4.7	13.1	13.2	432	-4.8	6/16/2009	462	-4.8
E-26	889.9	GS	-4.7	13	17.7	583	-4.8	6/19/2009	586	-4.8
E-27	1795.7	GS	-0.1	12.6	12.7	845	-0.2	6/19/2009	852	-0.2
E-28	1130.1	9.2	-2.3	9.5	11.5	481	-2.4	6/15/2009	485	-2.4
E-29	508.5	GS	8.1	11.1	3	58	7.9	4/20/2009	60	7.9
E-30	1934.2	GS	8.1	11.4	3.3	200	7.6	4/20/2009	230	7.6
		3.7	-0.8	11.4	4.5	272	-1	5/18/2009	309	0.9
E-31	1845.1	GS	-0.8	10.7	11.5	780	-1.1	5/26/2009	805	0.8
E-32	800.8	1.8	0.1	12.1	1.5	38	0	5/21/2009	58	0
E-33	856.7	13.3	0.5	13.3	12.8	405	0.3	6/16/2009	412	0.3
E-34	2587.9	GS	5.6	12.5	7	663	5.6	4/15/2009	699	5.6
E-35	1477.1	GS	9	12	3	164	8.7	4/21/2009	180	8.7
E-36	2271.9	GS	8.9	11.8	2.9	244	8.6	4/23/2009	270	8.6
E-37	2714.4	GS	9	11.7	2.7	271	8.9	4/23/2009	261	8.9
E-38	3018	13.3	6.8	12.9	6.5	727	6.7	4/17/2009	797	6.7
E-39	3191.3	GS	8.9	11.4	2.5	293	8.1	5/5/2009	358	8.1
F-1	2810.9	GS	-2.7	12.5	15.5	1614	-2.8	4/25/2009	1623	N/A
F-2	3865.6	GS	1.6	11.4	9.8	1403	1.4	5/1/2009	1423	1.4
F-3	1374.5	GS	0.2	12.5	12.3	526	-0.1	5/1/2009	545	-0.1
F-4	234.1	3.7	0.2	12.9	3.5	30	0	4/28/2009	38	0
F-5	942.3	GS	6.7	12.5	5.8	202	6.5	4/17/2009	206	6.5
F-6	892.3	GS	7.2	12.1	4.9	192	7.1	4/22/2009	186	7.1
F-7	384	GS	2.5	10.4	7.9	112	2.4	5/11/2009	114	2.4
--	--				TOTAL (cu yds) =	21,593		--	22287	

REMEDIAL ACTION REPORT

NO.	REVISION	DWN.	CHK.	CHK.	CHK.	DATE

ROBERT C. SWABSIN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03668?

MORTON INTERNATIONAL, INC.
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106-2399

JOB NO. 445806
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

VENTRON/VELSICOL SUPERFUND SITE OU-1
WOOD-RIDGE/CARLSTADT, NEW JERSEY
EXCAVATION
LIMITS E AND F

PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873-1148

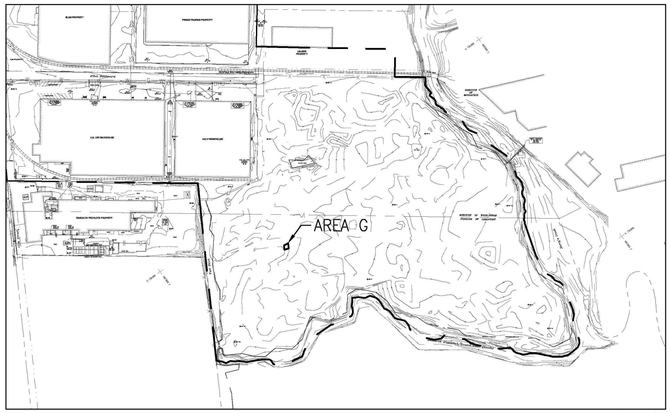
CMG	SA	RCS	4/15/11
PRJT. MNGR.	DSGN. MNGR.	RESP. ENGR.	DATE

SHEET NUMBER
FIGURE 8

REV
-

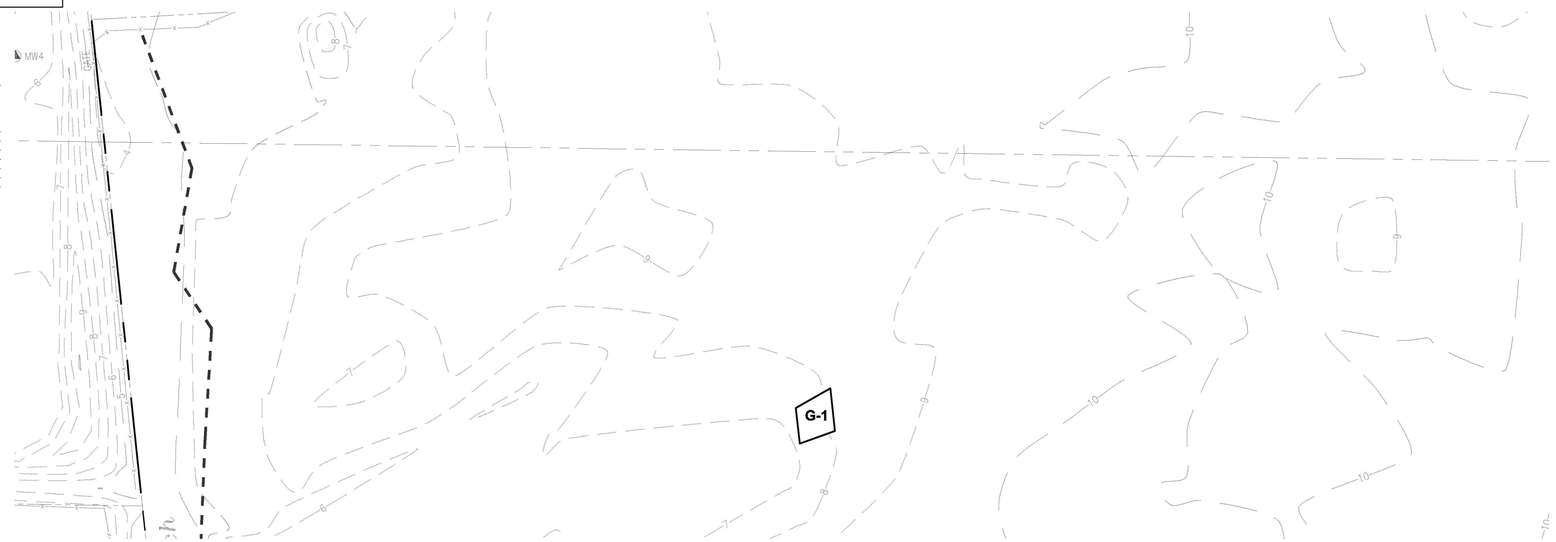
FILE: P:\PIT\PROJECTS\ROHM & HAAS\OU-1\DRAWINGS\REMEDIAL ACTION REPORT\FIGURE 8.DWG, DATE: 04/07/2011 02:49:17PM, p0018397

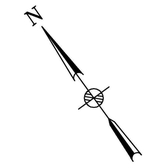
AREA LOCATION PLAN



EXCAVATION INFORMATION

AREA ID	AREA (SQ FT)	ELEVATION 1 OF SOIL WITH HG > 620 MG/KG		ESTIMATED ELEVATION OF GS	ESTIMATED THICKNESS OF SOILS WITH HG >620 mg/Kg TO EXCAVATE (FT)	APPROXIMATE VOLUME (CU YDS)	AS-BUILT ELEVATION BOTTOM OF EXCAVATION	LAST DATE OF BOTTOM OF EXCAVATION FIELD MEASUREMENTS	VOLUME OF EXCAVATED MATERIAL CU. YDS.	AS-BUILT ELEVATION BOTTOM OF SCREENED MATERIAL
		TOP	BOTTOM							
G-1	221.5	GS	3	8.7	5.7	47	2.8	8/11/2009	48	2.8





30 15 0 30 60

SCALE: 1" = 30'

NOTES:

1. SEE FIGURE 2 FOR GENERAL NOTES AND LEGEND.
2. SURVEY VOLUMES ARE BASED ON A COMPARISON BETWEEN AS-BUILT EXCAVATION ELEVATIONS AND PRE-CONSTRUCTION GROUND SURFACE ELEVATIONS.
3. TOP OF EXCAVATION IS BASED ON HIGHEST ELEVATION OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG OBSERVED IN DELINEATION BORINGS IN THE RESPECTIVE SUB-AREA. "GS" INDICATES SOILS WITH CONTAMINATION GREATER THAN 620 MG/KG AT GROUND SURFACE.
4. BOTTOM OF EXCAVATION IS BASED ON LOWEST ELEVATION OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG OBSERVED IN DELINEATION BORINGS IN THE RESPECTIVE SUB-AREA. AS-BUILT BOTTOM OF EXCAVATION CALCULATED AS AVERAGE FROM SPOT GRADES.
5. APPROXIMATE THICKNESS OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG BASED UPON AVERAGE ELEVATIONS OBSERVED IN DELINEATION BORINGS IN EXCAVATION SUB-AREA.
6. ESTIMATED ELEVATION OF GROUND SURFACE BASED UPON AVERAGE ELEVATIONS OBSERVED IN DELINEATION BORINGS IN EXCAVATION SUB-AREA.
7. CLEAN OVERBURDEN THICKNESS IS DEFINED AS BEING THE ESTIMATED ELEVATION OF GROUND SURFACE (GS) MINUS TOP ELEVATION OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG. WHERE TOP OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG IS "GS", THEN OVERBURDEN IS 0.
8. EXCAVATION INFORMATION TABLE AND AS-BUILT SURVEY INFORMATION COMPILED BY KENNON SURVEYING SERVICES, INC. OF WARREN, NEW JERSEY, DATED SEPTEMBER 9, 2009.
9. MATERIALS CONTAINING ELEMENTAL MERCURY WERE PROHIBITED FROM BEING PROCESSED AT THE SCREENING PLANT.

LEGEND:

AS-BUILT LATERAL LIMITS OF EXCAVATIONS

G-1 EXCAVATION SUB-AREA ID

REMEDIAL ACTION REPORT

NO.	REVISION	DWN.	CHK.	CHK.	CHK.	DATE

ROBERT C. SWABSIN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE036687

MORTON INTERNATIONAL, INC.
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106-2399

JOB NO. 445806
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

VENTRON/VELSICOL SUPERFUND SITE OU-1
WOOD-RIDGE/CARLSTADT, NEW JERSEY
EXCAVATION
LIMITS G

PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873-1148

CMG	SA	RCS	4/15/11
PRJT. MNGR.	DSGN. MNGR.	RESP. ENGR.	DATE

SHEET NUMBER
FIGURE 9

REV
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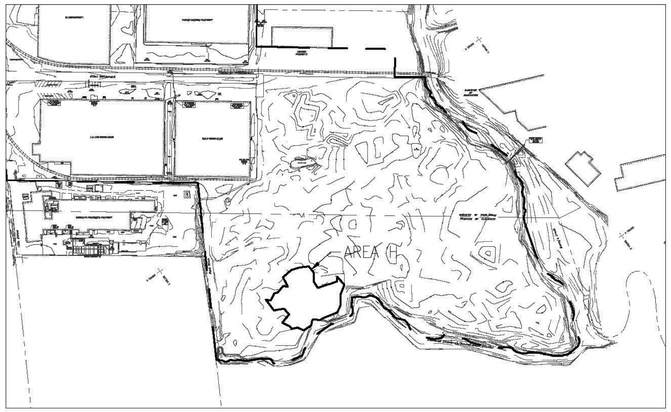
FILE: P:\PIT\PROJECTS\ROHM & HAAS\OU-1\DRAWINGS\REMEDIAL ACTION REPORT\FIGURE 9.DWG, DATE: 04/07/2011 02:50:38PM, p0018397

AREA LOCATION PLAN



EXCAVATION INFORMATION

AREA ID	AREA (SQ FT)	ELEVATION† OF SOIL WITH HG > 620 MG/KG		ESTIMATED ELEVATION OF GS	ESTIMATED THICKNESS OF SOILS WITH HG >620 mg/Kg TO EXCAVATE (FT)	APPROXIMATE VOLUME (CU YDS)	AS-BUILT ELEVATION BOTTOM OF EXCAVATION	LAST DATE OF BOTTOM OF EXCAVATION FIELD MEASUREMENTS	VOLUME OF EXCAVATED MATERIAL CU. YDS.	AS-BUILT ELEVATION BOTTOM OF SCREENED MATERIAL
		TOP	BOTTOM							
H-1	956.1	7.6	2.4	9.2	5.5	195	2.3	8/3/2009	269	2.3
H-2	3393.9	GS	3.6	9.7	6.1	767	3.4	8/3/2009	762	3.4
H-3	539.0	GS	1.1	10.8	9.7	194	0.9	7/22/2009	197	0.8
H-4	2958.2	GS	1.3	8.9	7.6	832	1.1	7/30/2009	894	1.1
H-5	572.7	GS	2.9	10.9	8	170	2.7	7/22/2009	174	2.7
H-6	1659.6	GS	0.7	11	10.3	590	0.6	7/22/2009	600	0.9
H-7	3765.3	GS	3.1	9.3	6.4	893	2.9	7/31/2009	920	2.9
H-8	1377.3	GS	2.2	10.4	8.2	418	2	7/24/2009	428	2
H-9	2728.4	GS	-9.3	3.9	13.2	1538	-9.4	8/5/2009	1948	0.7
H-10	748.4	GS	4.5	10.3	5.8	160	4.3	8/6/2009	186	4.3
H-11	595.1	GS	4.9	9	3.1	60	4.7	7/20/2009	85	4.7
H-12	1566.4	GS	-5.3	9.1	14.4	835	-5.4	8/6/2009	841	-5.4
H-13	2776.5	GS	-0.2	7.6	7.8	803	-0.3	7/28/2009	913	1.1
H-14	1622.2	GS	3.4	7	3.6	256	3.2	10/2/2009	270	N/A
H-15	329.8	8.7	5.2	9	3.5	43	5	8/10/2009	49	5
H-16	456.7	7.9	5.4	7.8	2.6	42	5.2	8/10/2009	44	5.2
H-17	3317.2	GS	5.3	8.4	2.1	258	6.1	7/16/2009	282	6.1
H-18	840.1	GS	8.2	10.4	2.2	66	8	7/31/2009	75	8
					TOTAL (cu yds) =	6448			8648	

NOTES:

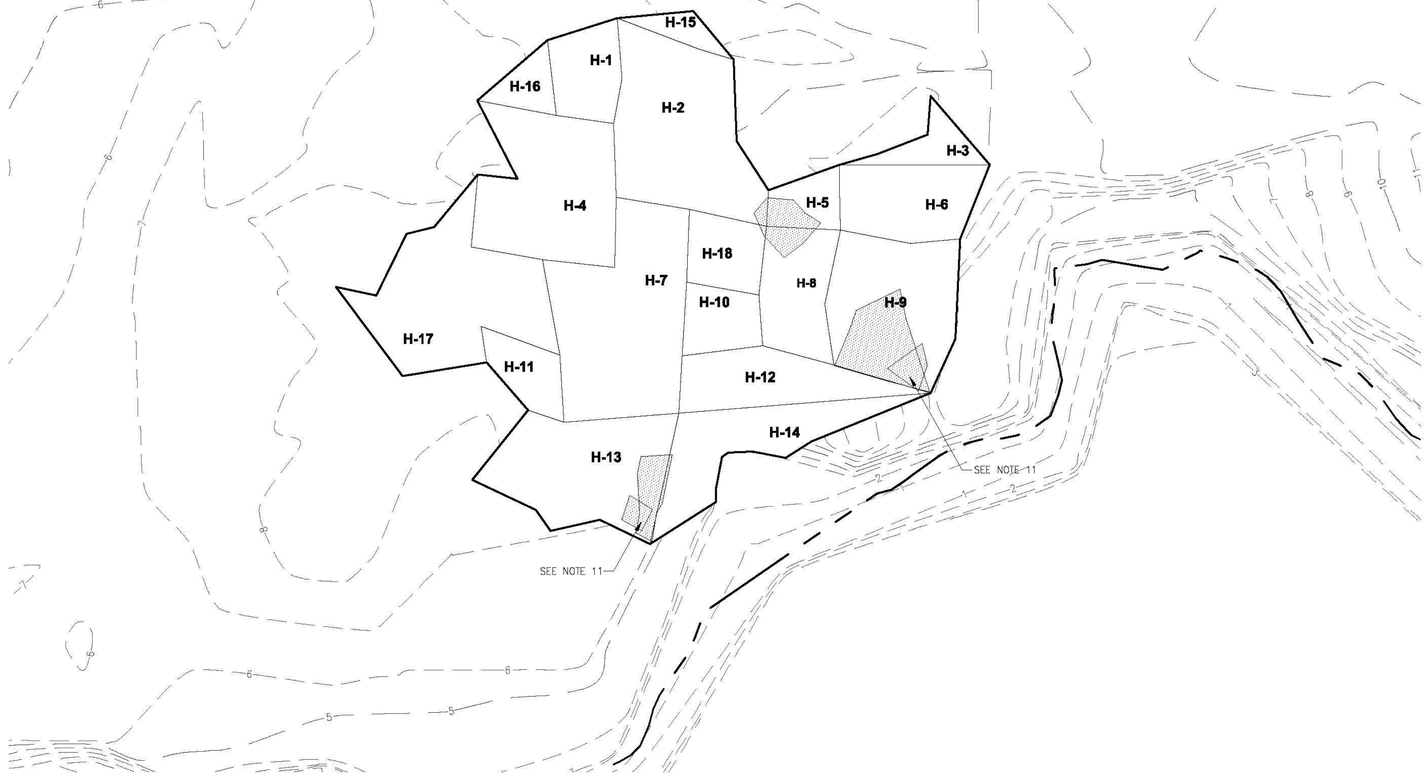
1. SEE FIGURE 2 FOR GENERAL NOTES AND LEGEND.
2. SURVEY AS-BUILT VOLUMES ARE BASED ON A COMPARISON BETWEEN AS-BUILT EXCAVATION ELEVATIONS AND PRE-CONSTRUCTION GROUND SURFACE ELEVATIONS.
3. TOP OF EXCAVATION IS BASED ON HIGHEST ELEVATION OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG OBSERVED IN DELINEATION BORINGS IN THE RESPECTIVE SUB-AREA. "GS" INDICATES SOILS WITH CONTAMINATION GREATER THAN 620 MG/KG AT GROUND SURFACE.
4. BOTTOM OF EXCAVATION IS BASED ON LOWEST ELEVATION OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG OBSERVED IN DELINEATION BORINGS IN THE RESPECTIVE SUB-AREA. AS-BUILT BOTTOM OF EXCAVATION CALCULATED AS AVERAGE FROM SPOT GRADES.
5. APPROXIMATE THICKNESS OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG BASED UPON AVERAGE ELEVATIONS OBSERVED IN DELINEATION BORINGS IN EXCAVATION SUB-AREA.
6. ESTIMATED ELEVATION OF GROUND SURFACE BASED UPON AVERAGE ELEVATIONS OBSERVED IN DELINEATION BORINGS IN EXCAVATION SUB-AREA.
7. CLEAN OVERBURDEN THICKNESS IS DEFINED AS BEING THE ESTIMATED ELEVATION OF GROUND SURFACE (GS) MINUS TOP ELEVATION OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG. WHERE TOP OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG IS "GS", THEN OVERBURDEN IS 0.
8. MATERIALS CONTAINING ELEMENTAL MERCURY, AS DELINEATED ON PARSONS UNDEVELOPED AREA RAW FIGURE 6, ISSUED SEPTEMBER 15, 2007 AND AS OBSERVED DURING EXCAVATION WERE STOCKPILED FOR OFF-SITE DISPOSAL SEGREGATED IN A SEPARATE PILE FROM SOIL WITH MERCURY CONCENTRATIONS OF GREATER THAN 620 MG/KG. ELEMENTAL MERCURY EXCAVATION SURVEY AS-BUILT DOCUMENTATION IS PROVIDED IN APPENDIX E.
9. MATERIALS CONTAINING ELEMENTAL MERCURY WERE PROHIBITED FROM BEING PROCESSED IN THE SCREENING PLANT.
10. EXCAVATION INFORMATION TABLE AND AS-BUILT SURVEY INFORMATION COMPILED BY KENNON SURVEYING SERVICES, INC., OF WARREN, NEW JERSEY, DATED OCTOBER 8, 2009.
11. OVERLAPPING ELEMENTAL MERCURY HATCHING DENOTES AN AREA WHERE ELEMENTAL MERCURY WAS ENCOUNTERED IN LAYERS SEPARATED BY NON-ELEMENTAL MERCURY IMPACTED SOILS. SURVEYED ELEVATION AND VOLUME DATA PROVIDED BY KENNON SURVEYING SERVICES, INC., OF WARREN, NEW JERSEY, DATED AUGUST 10, 2009.

LEGEND:

AS-BUILT LATERAL LIMITS OF EXCAVATIONS

AS-BUILT LATERAL LIMITS OF ELEMENTAL MERCURY EXCAVATIONS

H-1 EXCAVATION SUB-AREA ID



30 15 0 30 60

SCALE: 1" = 30'

REMEDIAL ACTION REPORT

NO.	REVISION	DWN.	CHK.	CHK.	CHK.	DATE

ROBERT C. SWARBRIN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03668?

MORTON INTERNATIONAL, INC.
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106-2399

JOB NO. 445806
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

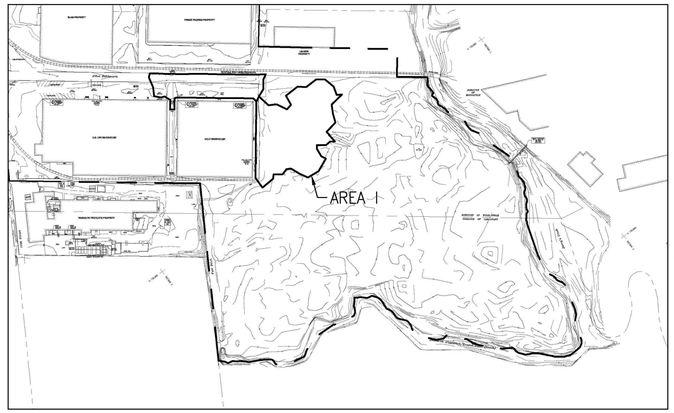
VENTRON/VELSICOL SUPERFUND SITE OU-1
WOOD-RIDGE/CARLSTADT, NEW JERSEY
EXCAVATION
LIMITS H

PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873-1148

CMG	SA	RCS	4/15/11
PRJT. MNGR.	DSGN. MNGR.	RESP. ENGR.	DATE

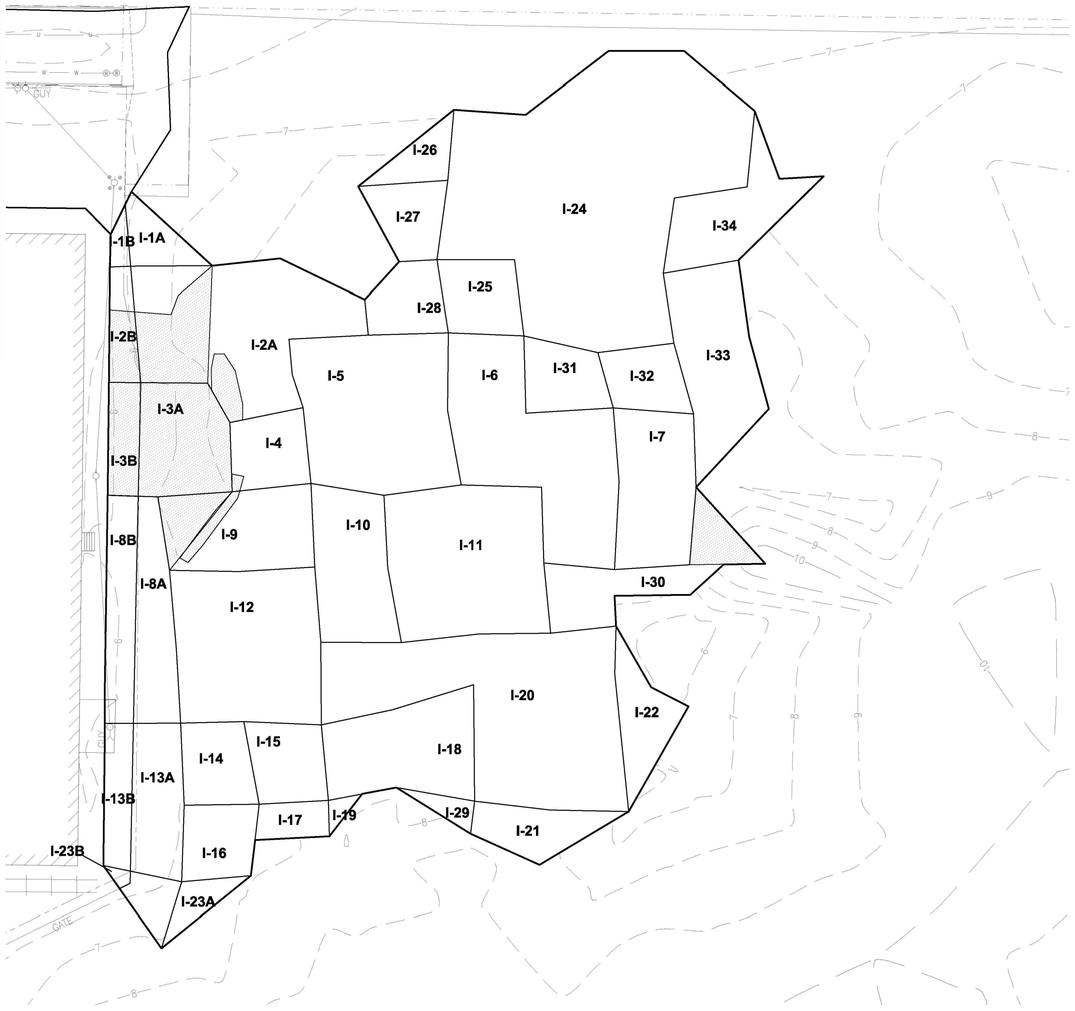
SHEET NUMBER: FIGURE 10
REV: -

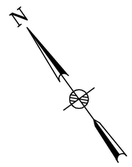
AREA LOCATION PLAN



EXCAVATION INFORMATION

AREA ID	AREA (SQ.FT)	ELEVATION1 OF SOIL WITH HG > 620 MG/KG TOP	ELEVATION1 OF SOIL WITH HG > 620 MG/KG BOTTOM	ESTIMATED ELEVATION OF GS	ESTIMATED THICKNESS OF SOILS WITH HG >620 mg/Kg TO EXCAVATE (FT)	APPROXIMATE VOLUME (CU YDS)	AS-BUILT ELEVATION BOTTOM OF EXCAVATION	LAST DATE OF BOTTOM OF EXCAVATION FIELD MEASUREMENTS	VOLUME OF EXCAVATED MATERIAL CU YDS.	AS-BUILT ELEVATION BOTTOM OF SCREENED MATERIAL
I-1A	510.1	5.9	1.4	6.5	4.5	85	1.1	4/9/2010	102	N/A
I-1B	138.3	5.9	1.4	6.7	4.5	23	1.1	4/9/2010	28	N/A
I-2A	2606.7	GS	1.8	7.4	5.6	822	1.7	9/15/2009	550	N/A
I-2A (DA)	1356.4	GS	1.8	7.4	7.4	281	0.9	4/9/2010	328	N/A
I-2B	474.3	GS	1.8	7.6	5.8	102	0.9	4/9/2010	116	N/A
I-3A	1526.3	GS	-1.1	6.6	7.7	435	-1.3	4/8/2010	447	N/A
I-3B	550.2	GS	-1.1	6.6	7.7	158	-1.2	4/8/2010	160	N/A
I-4	870.3	GS	1	7.3	6.3	203	0.7	9/14/2009	213	N/A
I-5	3639.2	GS	-1.5	8.3	9.8	1321	-1.7	9/17/2009	1348	N/A
I-6	3762.2	GS	2.4	9.7	7.3	1017	2.3	9/21/2009	1031	N/A
I-7	1890.1	GS	3.2	8.7	5.5	385	3	9/22/2009	399	N/A
I-8A	1280.3	GS	-0.3	6	6.3	299	-0.6	4/7/2010	313	N/A
I-8B	1023.3	GS	-0.3	6	6.3	239	-1.6	4/7/2010	288	N/A
I-9	1495.4	GS	-1.5	6.6	8.1	558	-1.6	9/14/2009	442	N/A
I-9 (DA)	403.4	GS	-1.5	6.6	8.1	121	-1.7	4/7/2010	124	N/A
I-10	1780.5	GS	-1	7.7	8.7	574	-1.1	9/17/2009	580	N/A
I-11	3802.3	GS	-2.1	8.2	10.3	1374	-2.2	9/18/2009	1387	N/A
I-12	3450.2	GS	-1.9	6.5	8.4	1073	-2	9/11/2009	1086	N/A
I-13A	1222.4	5.6	0.1	6	5.5	249	-0.1	4/5/2010	276	N/A
I-13B	586.6	5.6	0.1	6	5.5	120	-0.3	4/5/2010	137	N/A
I-14	893.5	6.4	-1.2	6.4	7.6	252	-1.3	9/9/2009	255	N/A
I-15	910.2	7.5	-1.2	6.9	8.7	293	-1.3	9/8/2009	297	N/A
I-16	834.0	6.4	0.9	6.8	5.5	170	0.8	9/8/2009	185	N/A
I-17	400.7	7.5	0.9	7.5	6.6	98	0.8	9/9/2009	99	N/A
I-18	2083.0	GS	3.4	7.1	3.7	283	3.3	9/2/2009	290	N/A
I-19	95.3	7.5	4	8	3.5	12	3.9	9/8/2009	14	N/A
I-20	5617.7	GS	-0.2	7.3	7.5	1569	-0.3	9/3/2009	1583	N/A
I-21	857.3	GS	0.6	8.7	8.1	257	0.5	9/1/2009	260	N/A
I-22	913.4	6.5	1	7.1	5.5	186	0.8	8/31/2009	213	N/A
I-23A	347.1	2.6	1.1	7.1	1.5	40	0.9	9/4/2009	24	N/A
I-23A (DA)	381.0	2.6	1.1	7.1	1.5	21	0.9	4/5/2010	25	N/A
I-23B	51.2	2.6	1.1	7.1	1.5	3	0.9	4/5/2010	4	N/A
I-24	9617.0	GS	4.8	8.5	3.7	1318	4.6	9/22/2009	1369	N/A
I-25	886.6	GS	7	10.3	3.3	108	6.9	7/27/2009	115	N/A
I-26	491.3	GS	8.2	9.3	1.1	20	8.1	7/8/2009	22	N/A
I-27	780.8	GS	7	10	3	87	8.9	7/8/2009	90	N/A
I-28	775.5	GS	6.1	8.7	2.6	75	6	7/8/2009	77	N/A
I-29	200.8	GS	5.9	8.2	2.3	17	5.8	9/2/2009	18	N/A
I-30	1545.3	GS	6	7.7	1.7	97	5.9	9/23/2009	103	N/A
I-31	830.8	11.5	7	11.3	4.5	138	6.8	7/28/2009	144	N/A
I-32	777.7	GS	7	10	3	86	6.8	9/22/2009	92	N/A
I-33	2171.6	GS	7.8	8.4	0.6	48	7.7	9/22/2009	56	N/A
I-34	1482.7	GS	5.8	7.9	2.1	115	5.4	9/22/2009	137	N/A
					TOTAL (cu yds) =	14,303			14847	





30 15 0 30 60

SCALE: 1" = 30'

NOTES:

1. SEE FIGURE 2 FOR GENERAL NOTES AND LEGEND.
2. SURVEY AS-BUILT VOLUMES ARE BASED ON A COMPARISON BETWEEN AS-BUILT EXCAVATION ELEVATIONS AND PRE-CONSTRUCTION GROUND SURFACE ELEVATIONS.
3. TOP OF EXCAVATION IS BASED ON HIGHEST ELEVATION OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG OBSERVED IN DELINEATION BORINGS IN THE RESPECTIVE SUB-AREA. "GS" INDICATES SOILS WITH CONTAMINATION GREATER THAN 620 MG/KG AT GROUND SURFACE.
4. BOTTOM OF EXCAVATION IS BASED ON LOWEST ELEVATION OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG OBSERVED IN DELINEATION BORINGS IN THE RESPECTIVE SUB-AREA. AS-BUILT BOTTOM OF EXCAVATION CALCULATED AS AVERAGE FROM SPOT GRADES.
5. APPROXIMATE THICKNESS OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG BASED UPON AVERAGE ELEVATIONS OBSERVED IN DELINEATION BORINGS IN EXCAVATION SUB-AREA.
6. ESTIMATED ELEVATION OF GROUND SURFACE BASED UPON AVERAGE ELEVATIONS OBSERVED IN DELINEATION BORINGS IN EXCAVATION SUB-AREA.
7. CLEAN OVERBURDEN THICKNESS IS DEFINED AS BEING THE ESTIMATED ELEVATION OF GROUND SURFACE (GS) MINUS TOP ELEVATION OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG. WHERE TOP OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG IS "GS", THEN OVERBURDEN IS 0.
8. MATERIALS CONTAINING ELEMENTAL MERCURY, AS DELINEATED ON PARSONS UNDEVELOPED AREA RAW FIGURE 7, ISSUED SEPTEMBER 15, 2007 AND AS OBSERVED DURING EXCAVATION, WERE STOCKPILED FOR OFF-SITE DISPOSAL SEGREGATED IN A SEPARATE PILE FROM SOIL WITH MERCURY CONCENTRATIONS OF GREATER THAN 620 MG/KG. ELEMENTAL MERCURY EXCAVATION SURVEY AS-BUILT DOCUMENTATION IS PROVIDED IN APPENDIX E.
9. MATERIALS CONTAINING ELEMENTAL MERCURY WERE PROHIBITED FROM BEING PROCESSED IN THE SCREENING PLANT.
10. EXCAVATION INFORMATION TABLE AND AS-BUILT SURVEY INFORMATION COMPILED BY KENNON SURVEYING SERVICES, INC. OF WARREN, NEW JERSEY, DATED APRIL 15, 2010.

LEGEND:

- AS-BUILT LATERAL LIMITS OF EXCAVATIONS
- AS-BUILT LATERAL LIMITS OF ELEMENTAL MERCURY EXCAVATIONS
- **I-1** EXCAVATION SUB-AREA ID

REMEDIAL ACTION REPORT

NO.	REVISION	DWN.	CHK.	CHK.	CHK.	DATE

ROBERT C. SWABSIN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03668?

MORTON INTERNATIONAL, INC.
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106-2399

JOB NO. 445806
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

VENTRON/VELSICOL SUPERFUND SITE OU-1
WOOD-RIDGE/CARLSTADT, NEW JERSEY
EXCAVATION
LIMITS I

PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873-1148

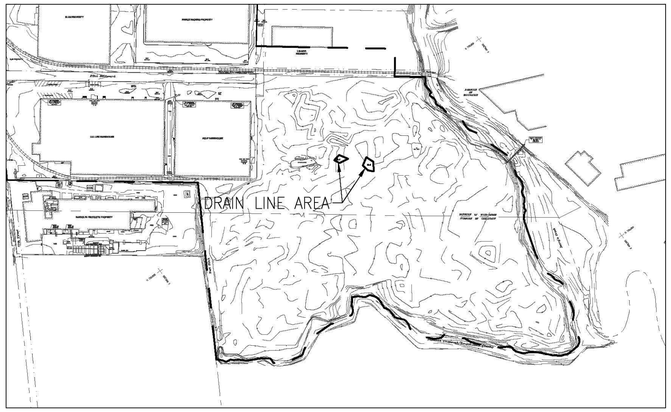
CMG	SA	RCS	4/15/11
PRJT. MNGR.	DSGN. MNGR.	RESP. ENGR.	DATE

SHEET NUMBER
FIGURE 11

REV –

FILE: P:\PIT\PROJECTS\ROHM & HAAS\OU-1\DRAWINGS\REMEDIAL ACTION REPORT\FIGURE 11.DWG, DATE: 04/07/2011 02:56:20PM, p0018397

AREA LOCATION PLAN

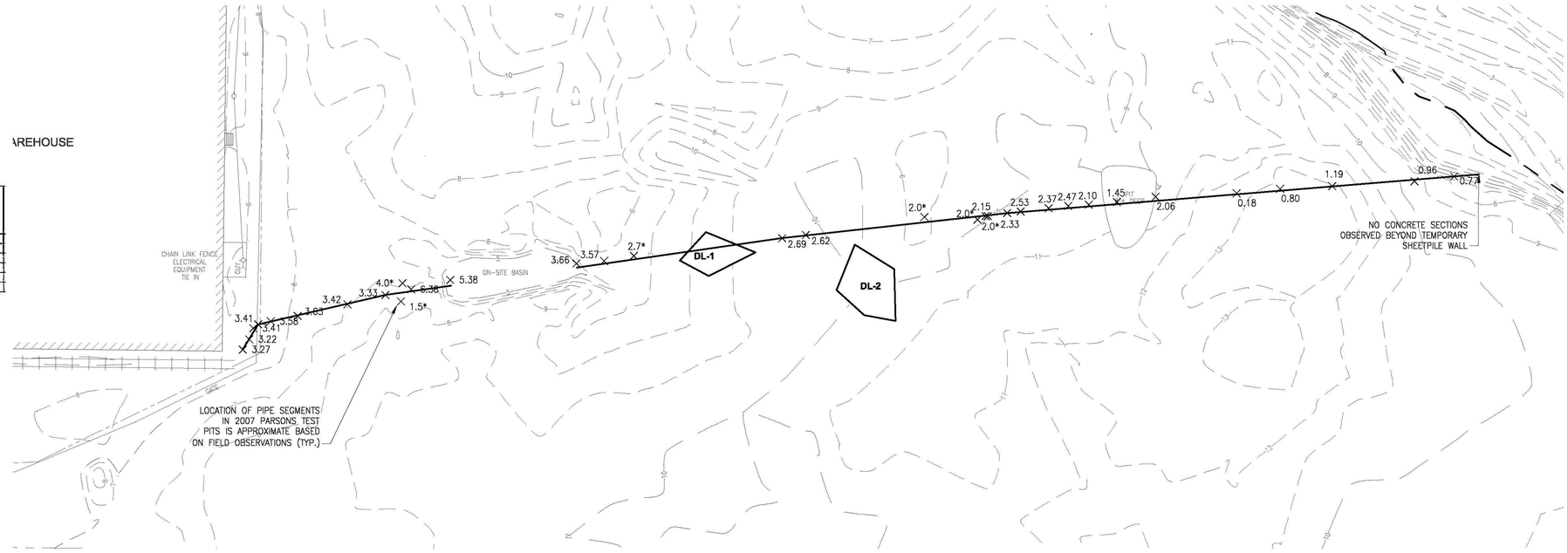


EXCAVATION INFORMATION

AREA ID	AREA (SQ FT)	ELEVATION) OF SOIL WITH HG > 620 MG/KG		ESTIMATED ELEVATION OF GS	ESTIMATED THICKNESS OF SOILS WITH HG >620 mg/Kg TO EXCAVATE (FT)	APPROXIMATE VOLUME (CU YDS)	AS-BUILT ELEVATION BOTTOM OF EXCAVATION	LAST DATE OF BOTTOM OF EXCAVATION FIELD MEASUREMENTS	VOLUME OF EXCAVATED MATERIAL, CU. YDS.	AS-BUILT ELEVATION BOTTOM OF SCREENED MATERIAL
		TOP	BOTTOM							
DL-1	600.0	GS	5.1	8	1.9	42	6	9/23/2009	44	6
DL-2	1077	GS	7	6.9	2.9	116	9.9	9/12/2009	119	5.9

NOTES:

1. SEE FIGURE 2 FOR GENERAL NOTES AND LEGEND.
2. SURVEY AS-BUILT VOLUMES ARE BASED ON A COMPARISON BETWEEN AS-BUILT EXCAVATION ELEVATIONS AND PRE-CONSTRUCTION GROUND SURFACE ELEVATIONS.
3. TOP OF EXCAVATION IS BASED ON HIGHEST ELEVATION OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG OBSERVED IN DELINEATION BORINGS IN THE RESPECTIVE SUB-AREA. "GS" INDICATES SOILS WITH CONTAMINATION GREATER THAN 620 MG/KG AT GROUND SURFACE.
4. BOTTOM OF EXCAVATION IS BASED ON LOWEST ELEVATION OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG OBSERVED IN DELINEATION BORINGS IN THE RESPECTIVE SUB-AREA. AS-BUILT BOTTOM OF EXCAVATION CALCULATED AS AVERAGE FROM SPOT GRADES.
5. APPROXIMATE THICKNESS OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG BASED UPON AVERAGE ELEVATIONS OBSERVED IN DELINEATION BORINGS IN EXCAVATION SUB-AREA.
6. ESTIMATED ELEVATION OF GROUND SURFACE BASED UPON AVERAGE ELEVATIONS OBSERVED IN DELINEATION BORINGS IN EXCAVATION SUB-AREA.
7. CLEAN OVERBURDEN THICKNESS IS DEFINED AS BEING THE ESTIMATED ELEVATION OF GROUND SURFACE (GS) MINUS TOP ELEVATION OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG. WHERE TOP OF SOIL WITH MERCURY CONCENTRATIONS GREATER THAN 620 MG/KG IS "GS", THEN OVERBURDEN IS 0.
8. EXCAVATION INFORMATION TABLE AND AS-BUILT SURVEY INFORMATION PROVIDED BY KENNON SURVEYING SERVICES, INC. OF WARREN, NEW JERSEY, DATED OCTOBER 7, 2009.
9. SURVEYED PIPE LOCATIONS PROVIDED BY KENNON SURVEYING SERVICES INC. OF WARREN, N.J.
10. FOR SPECIFIC DETAILS REGARDING THE REMOVAL OF HISTORIC PIPING FROM THE DEVELOPED AND UNDEVELOPED AREAS OF THE SITE, SEE SECTION 6.10 OF THIS REMEDIAL ACTION REPORT.



40 20 0 40 80

SCALE: 1" = 40'

LEGEND:

☐	AS-BUILT LATERAL LIMITS OF EXCAVATIONS
DL-1	EXCAVATION SUB-AREA ID
× 0.77	LOCATION OF EXPOSED RCP WITH SURVEYED TOP OF EXPOSED PIPE ELEV.
× 2.0*	LOCATION OF EXPOSED RCP WITH APPROXIMATE TOP OF EXPOSED PIPE ELEVATION BASED ON FIELD OBSERVATIONS
———	ALIGNMENT WHERE FORMER DRAIN LINE WAS REMOVED

REMEDIAL ACTION REPORT

NO.	REVISION	DWN.	CHK.	CHK.	CHK.	DATE

ROBERT C. SWABSIN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03668?

MORTON INTERNATIONAL, INC.
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106-2399

JOB NO. 445806
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

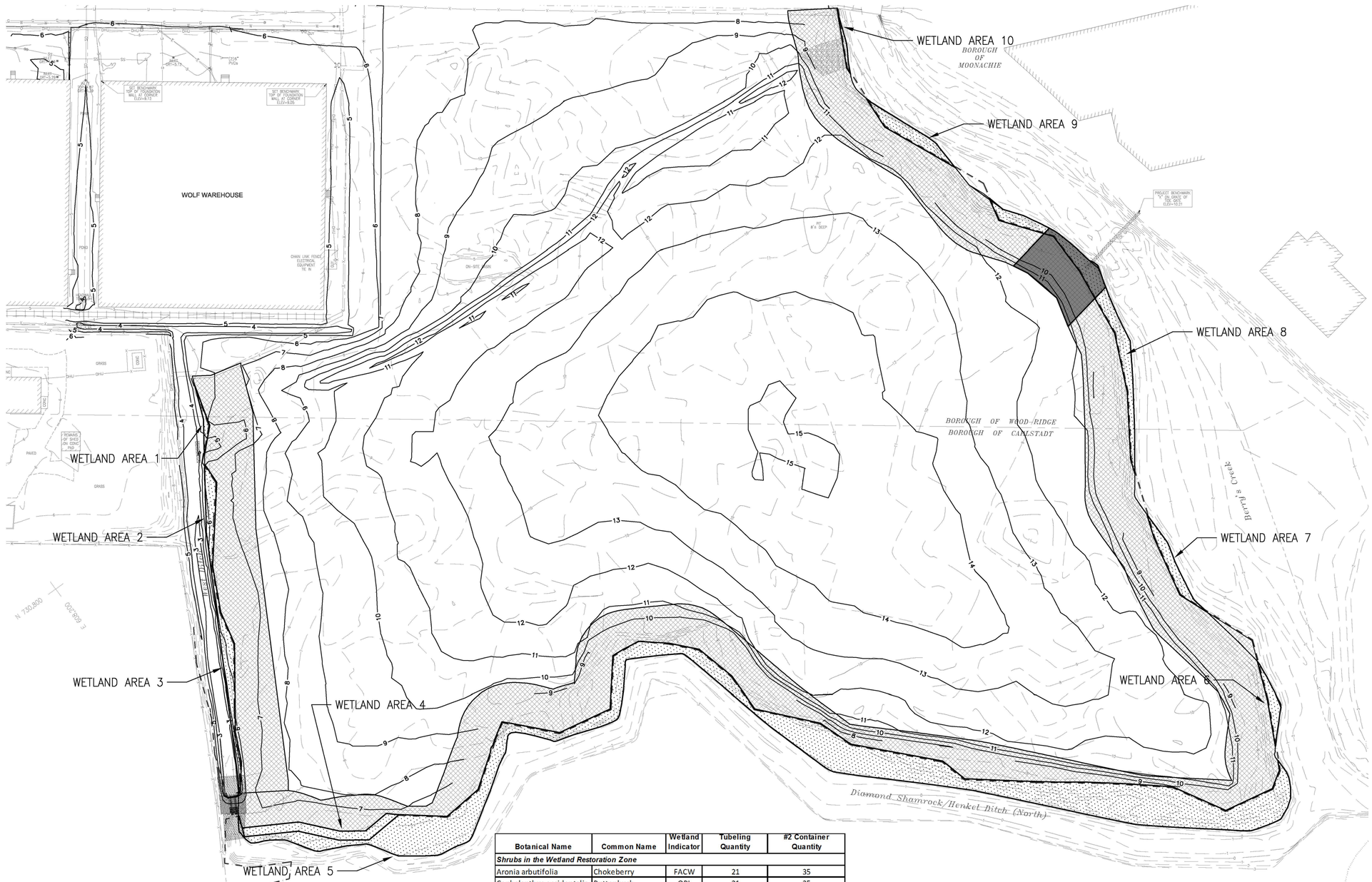
VENTRON/VELSICOL SUPERFUND SITE OU-1
WOOD-RIDGE/CARLSTADT, NEW JERSEY
EXCAVATION LIMITS
OF FORMER DRAIN AREA

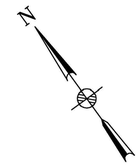
PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873-1148

CMG	SA	RCS	4/15/11
PRJT. MNGR.	DSGN. MNGR.	RESP. ENGR.	DATE

SHEET NUMBER
FIGURE 12

REV
-





NOTES:

1. TUBELING SIZE PLANTS WERE PLANTED CLOSEST TO WATERWAYS ON A 6 FOOT SPACING. NUMBER 2 CONTAINERS WERE PLANTED UPLAND OF TUBELINGS ON A 10 FOOT SPACING.
2. SEE APPENDIX B FOR AS-BUILT 55-FT. BUFFER EXCAVATION AND BACKFILL CROSS-SECTIONS.
3. AS-BUILT CAPPING, WEST DITCH, AND 55-FT. BUFFER LOCATION AND FINAL GRADE CONTOUR LINES OBTAINED FROM KENNON SURVEYING SERVICES OF WARREN, NJ, DRAWING DATED 12-21-10.

LEGEND:

- ——7—— CAP FINAL GRADE ELEVATION CONTOUR
- EDGE OF DELINEATED WETLANDS
- UPLAND BUFFER ZONE
- WETLAND RESTORATION ZONE
- TUBELING – SIZE SHRUBS ONLY
- D50 = 15" RIP-RAP
- D50 = 6" RIP-RAP
- NJDOT NO. 1 STONE

60 30 0 60 120

SCALE: 1" = 60'

Name	Area (sq. ft)	Total Quantity of Tublings	Tubelings					Total Quantity of No. 2 Containers	No. 2 Containers				
			OBL	FACW+	FACW	FACW-	FAC		OBL	FACW+	FACW	FACW-	FAC
Wetland Area 1	235	0						4				2	2
Wetland Area 2	934	0						10				5	5
Wetland Area 3	1705	0						18				9	9
Wetland Area 4	1756	10					10	14					14
Wetland Area 5	30320	164	42	60	37	19	6	243	70	73	76	19	5
Wetland Area 6	680	4			2	2		8		4	4		
Wetland Area 7	1007	5			5			8		4	4		
Wetland Area 8	3913	19		3	11		5	32		16	16		
Wetland Area 9	1287	6			6			11		6	5		
Wetland Area 10	182	2			2			2		2			
Total	42019	210	42	63	63	21	21	350	70	105	105	35	35

SEE NOTE 1 FOR PLANTING LOCATIONS AND SPACING.

Botanical Name	Common Name	Wetland Indicator	Tubeling Quantity	#2 Container Quantity
Shrubs in the Wetland Restoration Zone				
Aronia arbutifolia	Chokeberry	FACW	21	35
Cephalanthus occidentalis	Buttonbush	OBL	21	35
Cornus sericea	Red Osier Dogwood	FACW+	21	35
Rosa palustris	Swamp Rose	OBL	21	35
Trees in the Wetland Restoration Zone				
Acer rubrum	Red Maple	FAC	21	35
Betula nigra	River Birch	FACW	21	35
Platanus occidentalis	Sycamore	FACW-	21	35
Quercus bicolor	Swamp White Oak	FACW+	21	35
Quercus palustris	Pin Oak	FACW	21	35
Salix nigra	Black Willow	FACW+	21	35
Shrubs in the Upland Buffer Zone				
Physocarpus opulifolius	Ninebark	FACW-	150	0
Rhus typhina	Staghorn Sumac	UPL	150	0
Viburnum lentago	Nannyberry	FAC	150	0
Trees in the Upland Buffer Zone				
Diospyros virginiana	Persimmon	FAC-	150	0
Nyssa sylvatica	Black Gum	FAC-	150	0
Quercus alba	White Oak	FACU-	150	0
Quercus phellos	Willow Oak	FAC+	150	0
Cercis canadensis	Redbud	FACU-	150	0

NO.	REVISION	DWN.	CHK.	CHK.	CHK.	DATE

REMEDIAL ACTION REPORT

ROBERT C. SWABSIN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE036687

MORTON INTERNATIONAL, INC.
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106-2399

JOB NO. 445806
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

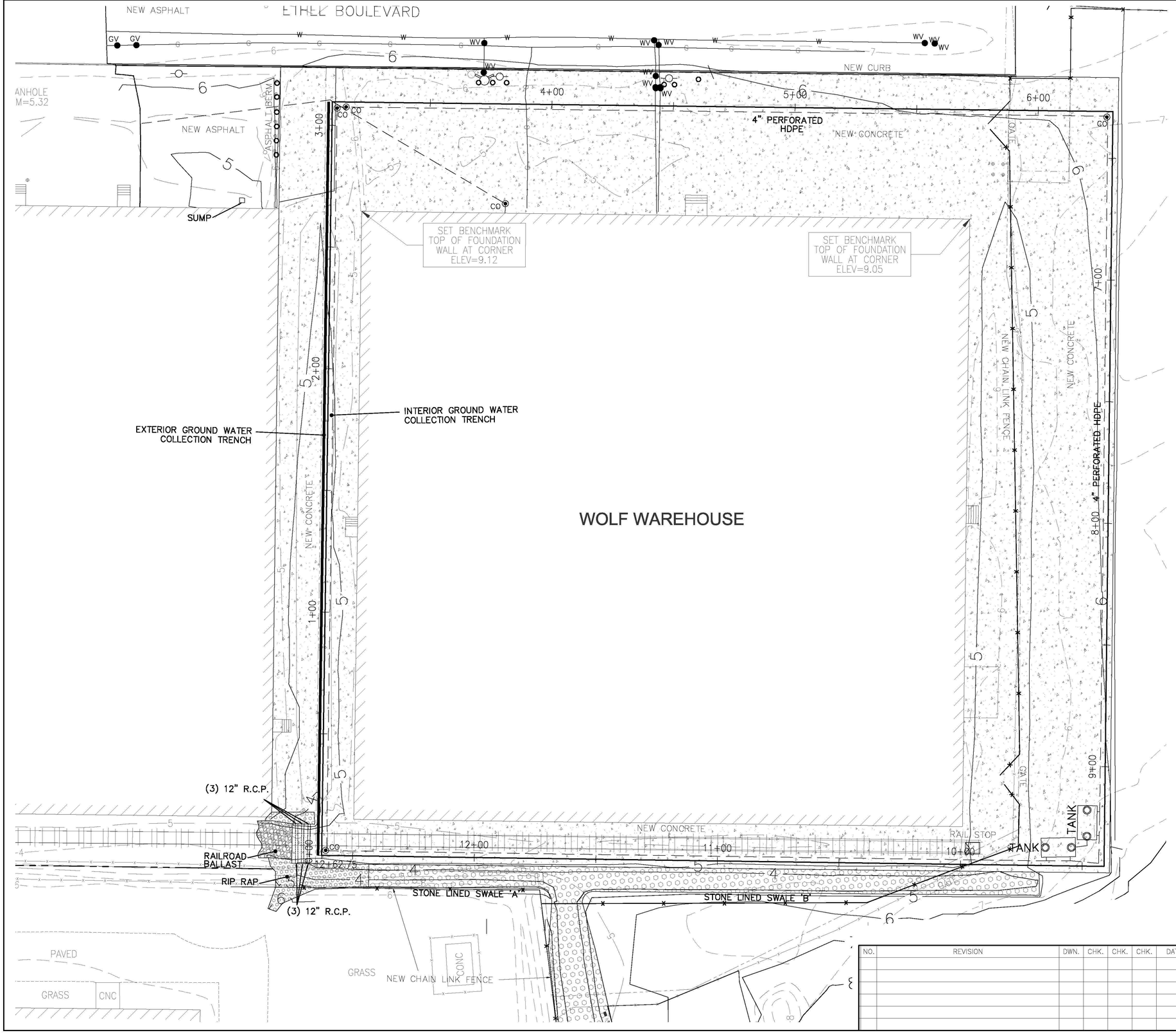
VENTRON/VELSICOL SUPERFUND SITE OU-1
WOOD-RIDGE/CARLSTADT, NEW JERSEY
WEST DITCH AND
55-FT. BUFFER RESTORATION

PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873-1148

PRJT. MNGR.	DSGN. MNGR.	RESP. ENGR.	DATE
CMG	SA	RCS	4/15/11

SHEET NUMBER: FIGURE 13
REV: –

FILE: P:\PIT\PROJECTS\ROHM & HAAS\OU-1\DRAWINGS\REMEDIAL ACTION REPORT\FIGURE 13.DWG, DATE: 04/07/2011 01:47:03PM, p0018397



LEGEND:

- PROPERTY LINE
- RIGHT–OF–WAY LINE
- INTERIOR GROUND WATER COLLECTION TRENCH
- 7 — CAP FINAL GRADE ELEVATION CONTOUR
- 0+00 — VERTICAL BARRIER WALL ALIGNMENT
- EXTERIOR GROUND WATER DRAINAGE TRENCH
- REINFORCED CONCRETE CAP
- WEST DITCH/DRAINAGE SWALE (NJDOT #1 STONE)
- RAILROAD BALLAST
- RIP–RAP STONE
- GV — GAS VAVLE
- WV — WATER VAVLE
- UTILITY POLE
- HYDRANT
- BOLLARD
- CO — SUB–DRAINAGE SYSTEM CLEANOUT

NOTES:

1. SEE FIGURE 2 FOR GENERAL NOTES AND LEGEND.

20 10 0 20 40

SCALE: 1" = 20'

REMEDIAL ACTION REPORT

NO.	REVISION	DWN.	CHK.	CHK.	CHK.	DATE

ROBERT C. SWABSIN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03668?

MORTON INTERNATIONAL, INC.
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106–2399

JOB NO. 445806
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

VENTRON/VELSICOL SUPERFUND SITE OU–1
WOOD–RIDGE/CARLSTADT, NEW JERSEY
VERTICAL BARRIER WALL
ALIGNMENT AND COLLECTION SYSTEM

CMG	SA	RCS	4/15/11
PRJT. MNGR.	DSGN. MNGR.	RESP. ENGR.	DATE

PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873–1148

SHEET NUMBER
FIGURE 14
REV.
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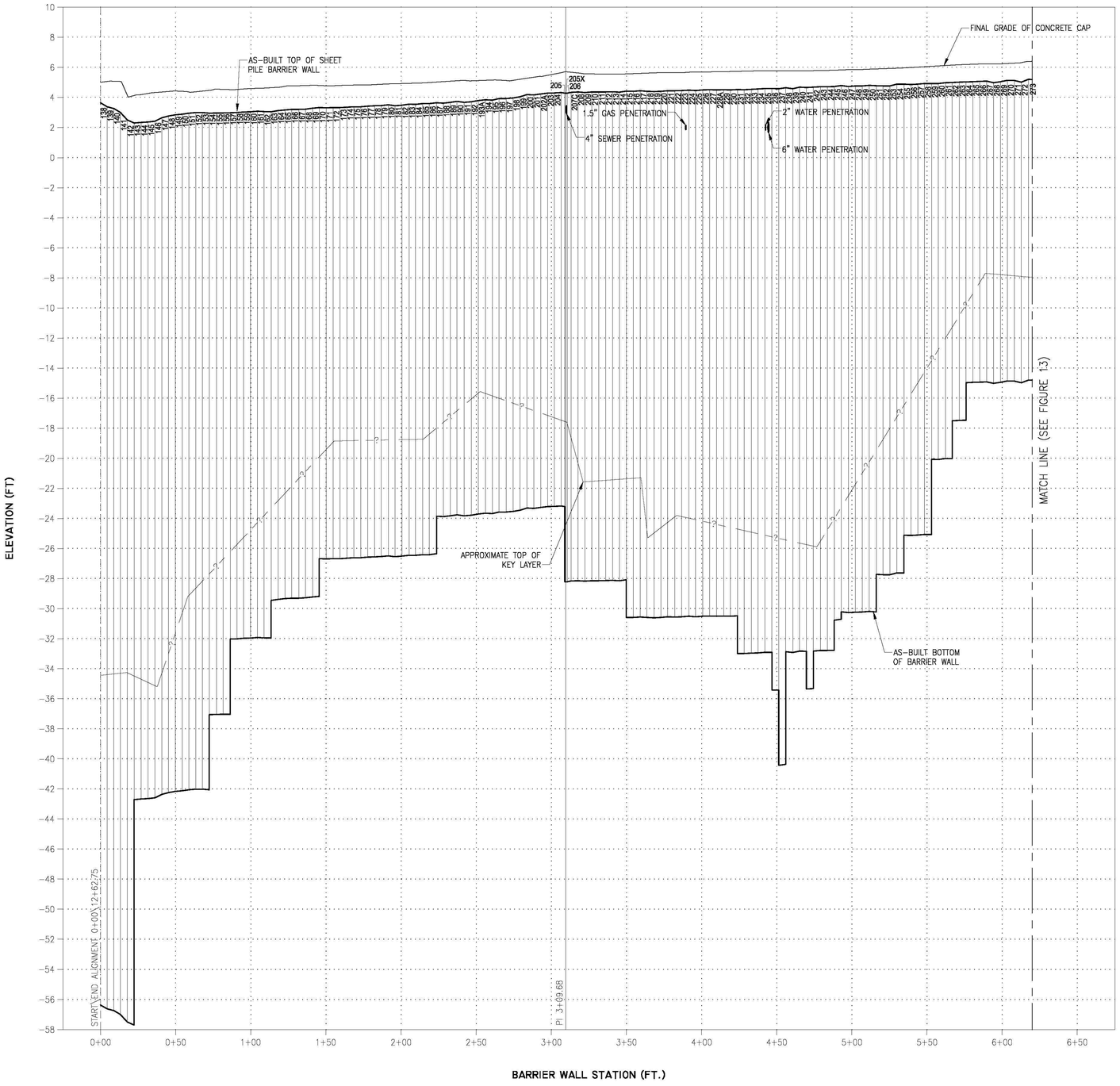

NOTES:

1. REFER TO FIGURE 14 FOR LOCATION AND ORIENTATION OF BARRIER WALL ALIGNMENT.
2. PROFILES ARE GENERALIZATIONS OF INFORMATION FROM SHEET PILE DRIVING RECORDS. TEST BORINGS DRILLED, AND TEST PITS EXCAVATED AT THE SITE. REFER TO THE BORING AND TEST PIT LOGS PROVIDED IN PARSONS GEOTECHNICAL DATA REPORT, DATED 9/16/08 FOR ADDITIONAL INFORMATION.
3. LINES REPRESENTING CHANGES IN SOIL STRATA BETWEEN EXPLORATION LOCATIONS MAY NOT REPRESENT ACTUAL SUBSURFACE CONDITIONS. ACTUAL SUBSURFACE CONDITIONS INCLUDING CHANGES BETWEEN SOIL STRATA MAY VARY FROM THOSE REPRESENTED ON THIS SHEET.
4. FINAL GRADES OF CONCRETE CAP ELEVATION WERE OBTAINED BY KENNON SURVEYING SERVICES, INC., DATED 12/21/10.
5. ELEVATIONS ARE BASED ON THE NGVD 1929 DATUM. FOR BORINGS WHERE GROUND SURFACE ELEVATIONS WERE NOT OBTAINED THE ELEVATION WAS INTERPOLATED FROM ADJACENT BORINGS.
6. THE CONFINING LAYER IS DEFINED AS:

   -STRATUM 4: CLAY AND SILT (KEY LAYER): VERY SOFT TO VERY STIFF (TYPICALLY VERY SOFT) VARVED DEPOSITS OF CLAY AND SILT WITH SEAMS AND LAYERS OF SAND. THE SAND TYPICALLY RANGES IN THICKNESS FROM 1/16 TO 12 INCHES WITH THE EXCEPTION OF SOIL BORING P-SB-10, WHERE THE SAND WAS OBSERVED IN THE UPPER PORTION OF THE STRATUM TO BE APPROXIMATELY 20 INCHES THICK.

7. AS-BUILT BOTTOM OF BARRIER WALL ELEVATION WAS RECORDED BY PARSONS Q.A. INSPECTOR FROM 6/01/10 TO 8/16/10.
8. SEE FIGURE 17 FOR VERTICAL BARRIER WALL DETAILS.

4 2 0 4 8

VERTICAL SCALE: 1" = 4'

40 20 0 40 80

HORIZONTAL SCALE: 1" = 40'

REMEDIAL ACTION REPORT

NO.	REVISION	DWN.	CHK.	CHK.	CHK.	DATE

ROBERT C. SWABSIN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03668

MORTON INTERNATIONAL, INC.
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106-2399

JOB NO. 445806
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

VENTRON/VELSICOL SUPERFUND SITE OU-1
WOOD-RIDGE/CARLSTADT, NEW JERSEY
BARRIER WALL PROFILE
SHEET 1 OF 2

PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873-1148

CMC	SA	RCS	4/15/11
PRJT. MNGR.	DSGN. MNGR.	RESP. ENGR.	DATE

SHEET NUMBER: FIGURE 15
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NOTES:

1. SEE FIGURE 15 FOR PROFILE NOTES AND LEGEND.

4 2 0 4 8

VERTICAL SCALE: 1" = 4'

40 20 0 40 80

HORIZONTAL SCALE: 1" = 40'

REMEDIAL ACTION REPORT

NO.	REVISION	DWN.	CHK.	CHK.	CHK.	DATE

ROBERT C. SWABSIN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03668

MORTON INTERNATIONAL, INC.
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106-2399

JOB NO. 445806
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

VENTRON/VELSICOL SUPERFUND SITE OU-1
WOOD-RIDGE/CARLSTADT, NEW JERSEY
BARRIER WALL PROFILE
SHEET 2 OF 2

PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873-1148

CMG	SA	RCS	4/15/11
PRJT. MNGR.	DSGN. MNGR.	RESP. ENGR.	DATE

SHEET NUMBER
FIGURE 16

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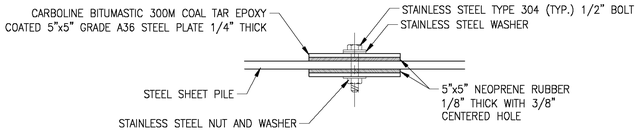
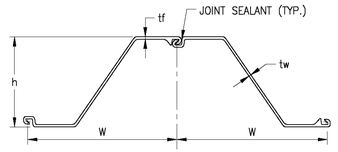


HANDLING HOLE CLOSURE
SECTION B–B



AZ 19–700 HOT ROLLED SHEET PILING

SECTION PROPERTIES OF SHEET PILE (NOTE 1)

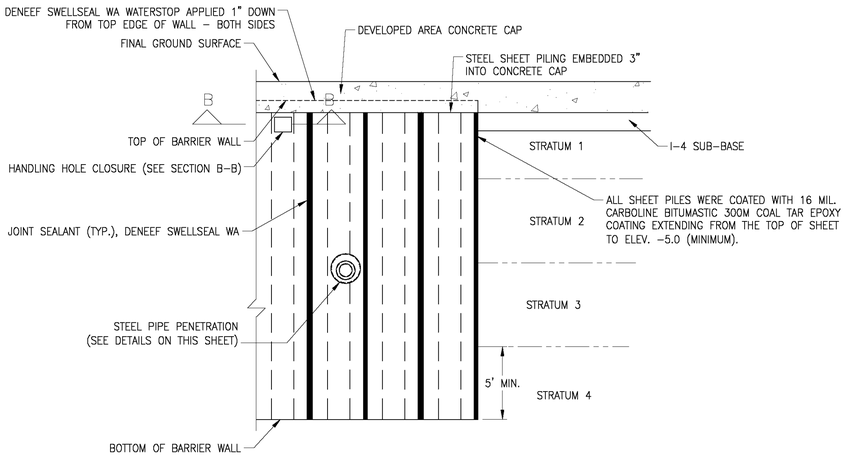
WIDTH (W)	HEIGHT (h)	THICKNESS		WEIGHT	
in	in	FLANGE (tf) in	WEB (tw) in	PILE lb/ft	WALL LB/SQ. FT
27.56	16.56	0.375	0.375	53.76	23.41

SPECIFICATIONS:
RAW MATERIAL: ASTM A572 GRADE 50

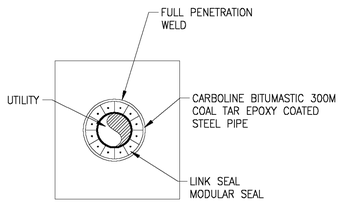
NOTE:

1. STEEL SHEET PILE ARE AZ–19–700 HOT ROLLED STEEL SHEETING.
2. THE UPPER PORTION OF ALL SHEET PILES WERE COATED WITH 16 MIL. (MINIMUM) CARBOLINE BITUMASTIC 300M COAL TAR EPOXY COATING FOR CORROSION RESISTANCE. THE UPPERMOST 10 FEET OF EACH SHEET PILE WAS COATED ON THE CRITERIA THAT THE COATING MUST EXTEND FROM THE TOP OF THE SHEET PILE WALL TO ELEVATION –5.0 (MINIMUM).
3. THE SHEET PILE JOINTS WERE SEALED USING DENEEF SWELLSEAL WA SEALANT SYSTEM.

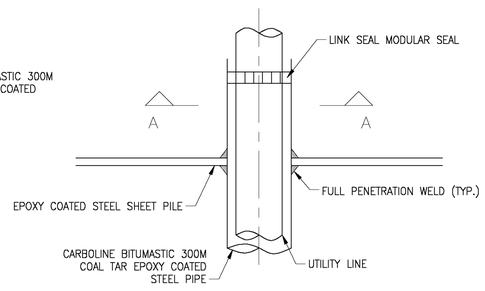
STEEL SHEET PILE DETAIL
N.T.S.



BARRIER WALL PROFILE
N.T.S.



SECTION A–A



SHEET PILE WALL UTILITY CROSSING DETAIL
N.T.S.

REMEDIAL ACTION REPORT

NO.	REVISION	DWN.	CHK.	CHK.	CHK.	DATE

ROBERT C. SWABSIN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03668

MORTON INTERNATIONAL, INC.
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106–2399

JOB NO. 445806
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

VENTRON/VELSICOL SUPERFUND SITE OU–1
WOOD–RIDGE/CARLSTADT, NEW JERSEY
VERTICAL BARRIER WALL
DETAILS

PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873–1148

CMG	SA	RCS	4/15/11
PRJT. MNGR.	DSGN. MNGR.	RESP. ENGR.	DATE

SHEET NUMBER: FIGURE 17
REV: –

N

NOTES:

1. SEE FIGURE 2 FOR GENERAL NOTES AND LEGEND.
2. AS-BUILT SUBGRADE SURVEY INFORMATION COMPILED FROM KENNON SURVEYING SERVICES, INC. DATED NOVEMBER 5, 2010.

LEGEND:

——7—— CAP SUBGRADE ELEVATION CONTOUR

60 30 0 60 120

SCALE: 1" = 60'

REMEDIAL ACTION REPORT

NO.	REVISION	DWN.	CHK.	CHK.	CHK.	DATE

ROBERT C. SWABSIN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03687

MORTON INTERNATIONAL, INC.
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106-2399

JOB NO. 445806
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

VENTRON/VELSICOL SUPERFUND SITE OU-1
WOOD-RIDGE/CARLSTADT, NEW JERSEY
UNDEVELOPED AREA
CAP SUBGRADE

PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873-1148

PRJT. MNGR.	DSGN. MNGR.	RESP. ENGR.	DATE
CMC	SA	RCS	4/15/11

SHEET NUMBER: FIGURE 18
REV: –

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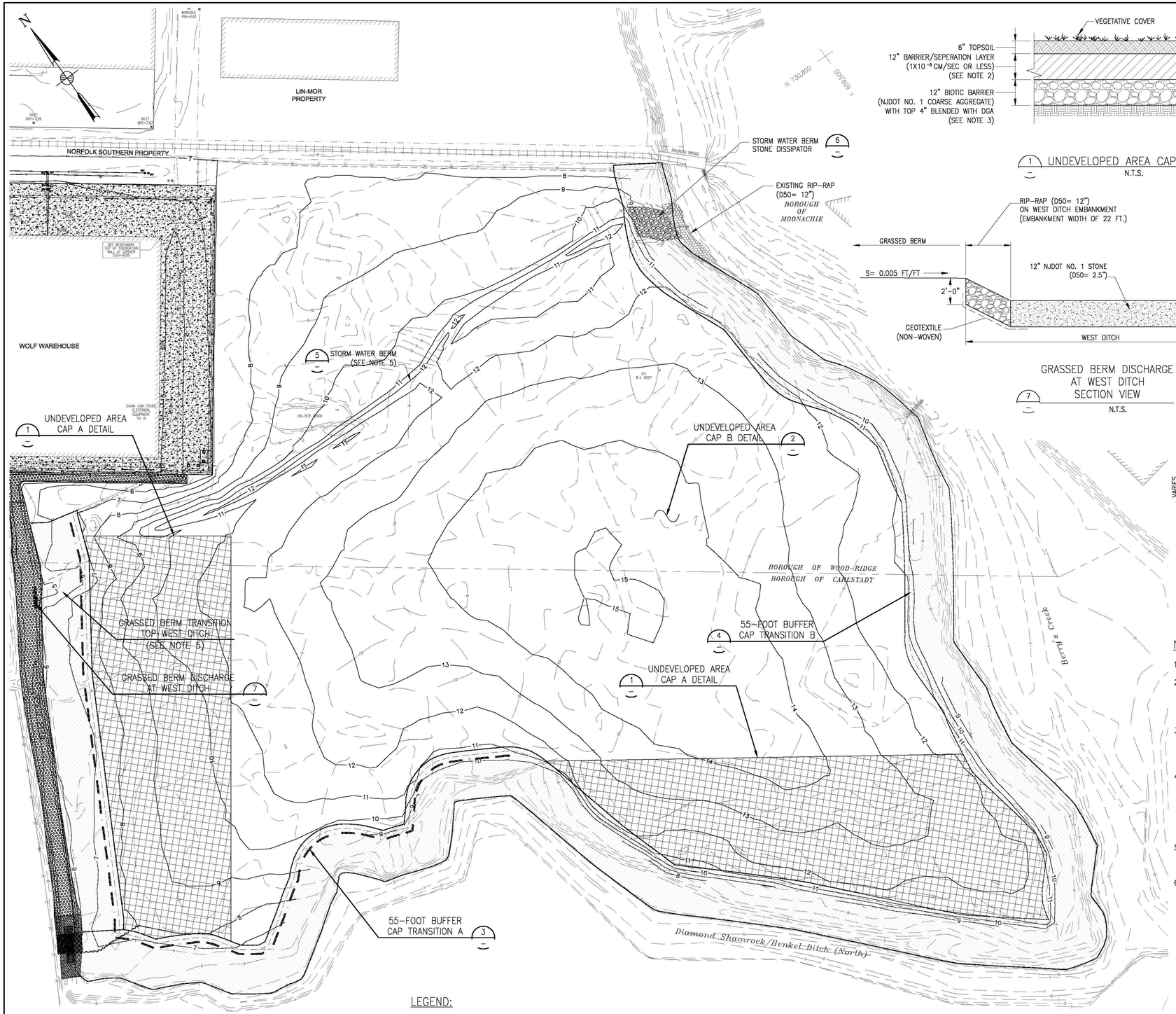
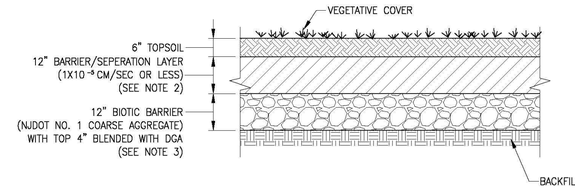
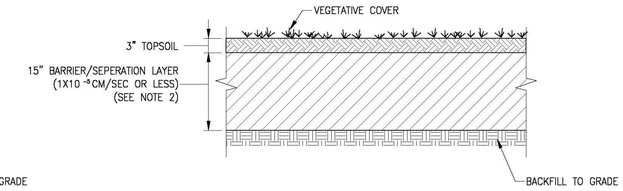
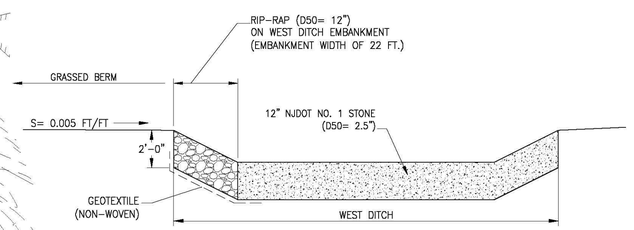




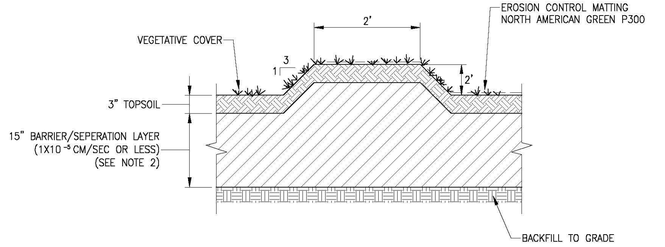
1 UNDEVELOPED AREA CAP A DETAIL
N.T.S.



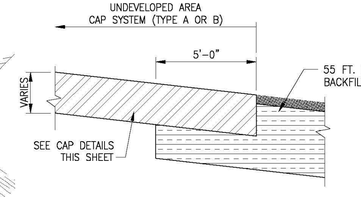
2 UNDEVELOPED AREA CAP B DETAIL
N.T.S.



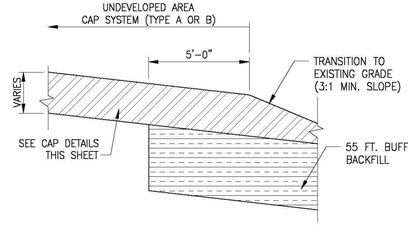
GRASSED BERM DISCHARGE AT WEST DITCH SECTION VIEW
7
N.T.S.



5 STORM WATER BERM DETAIL
N.T.S.



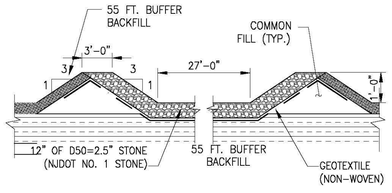
3 55-FOOT BUFFER CAP TRANSITION A
N.T.S.



4 55-FOOT BUFFER CAP TRANSITION B
N.T.S.

NOTES:

1. SEE FIGURE 2 FOR GENERAL NOTES AND LEGEND.
2. SOILS FOR THE BARRIER LAYER WERE COMPACTED TO AT LEAST 90% OF THE STANDARD PROCTOR (ASTM D-698) MAXIMUM DENSITY. BARRIER LAYER ACHIEVED AN IN-PLACE PERMEABILITY OF 10(-5) CM/SEC OR LESS.
3. THE BIOTIC BARRIER CONSISTS OF NOMINAL 3" DIAMETER AGGREGATE (NJDOT NO. 1 COARSE AGGREGATE). THE TOP 4" OF THE BARRIER AGGREGATE WAS BLENDED IN PLACE WITH DENSE GRADE AGGREGATE (NJDOT DGA).
4. WHERE EROSION MAY BE OBSERVED IN THE FINAL COVER SYSTEM, THE FINAL SURFACE WILL BE REGRADED AND RESTORED. WHERE RE-OCCURRANCE OF EROSION MAY OCCUR IN THE AFFECTED AREA, RE-ENGINEERING OF THE COVER SYSTEM WILL BE PERFORMED BY APPLICATION OF EROSION CONTROL FABRICS OR BANK STABILIZATION METHODS IN ACCORDANCE WITH THE NEW JERSEY STANDARDS FOR EROSION CONTROL.
5. EROSION CONTROL FABRIC WAS INSTALLED FROM TOP OF STORMWATER BERM TO 10 FT FROM TOE OF SOUTHERN SLOPE AND WITHIN THE GRASSED BERM TRANSITION TO THE WEST DITCH.
6. CAP FINAL GRADE CONTOUR LINES OBTAINED FROM KENNON SURVEYING SERVICES OF WARREN, NJ, DRAWING DATED 12-21-10.



STORM WATER BERM STONE DISSIPATOR AT BERRY'S CREEK
6
N.T.S.

LEGEND:

- 10 — CAP FINAL GRADE CONTOUR
- LIMITS OF 55-FOOT BUFFER CAP TRANSITION TYPE A
- 55-FOOT BUFFER
- LIMITS OF UNDEVELOPED AREA CAP TYPE A
- REINFORCED CONCRETE CAP
- WEST DITCH/DRAINAGE SWALE (NJDOT #1 STONE)
- BERRY'S CREEK STORM WATER DISSIPATER (NJDOT #1 STONE)

REMEDIAL ACTION REPORT

NO.	REVISION	DWN.	CHK.	CHK.	CHK.	DATE

ROBERT C. SWABSIN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03668

MORTON INTERNATIONAL, INC.
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106-2399

JOB NO. 445806
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

VENTRON/VELSICOL SUPERFUND SITE OU-1
WOOD-RIDGE/CARLSTADT, NEW JERSEY
CAP LIMITS
UNDEVELOPED AREA

PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873-1148

PRJT. MNGR.	DSGN. MNGR.	RESP. ENGR.	DATE
CMG	SA	RCS	4/15/11

SHEET NUMBER: FIGURE 19
REV: -

FILE: P:\PIT\PROJECTS\ROHM & HAAS\OU-1\DRAWINGS\REMEDIAL ACTION REPORT\FIGURE 19.DWG, DATE: 04/07/2011 02:09:39PM, p0018397

BLUM PROPERTY

PRINCE PACKING PROPERTY

EJB PROPERTY

NORFOLK SOUTHERN PROPERTY

Ethel Boulevard

ETHEL BOULEVARD

U.S. LIFE WAREHOUSE

WOLF WAREHOUSE

RANDOLPH PRODUCTS PROPERTY

12th Street

BOROUGH LINE

E 608,000

CONCRETE HAUNCH AND CHAIN LINK FENCE BASE (5/23)

(3) 12" R.C.P.

RAILROAD BALLAST

RIP RAP

STONE LINED SWALE "A"

STONE LINED SWALE "B"

STONE LINED WEST DITCH

4" PERFORATED HDPE

NEW CONCRETE

NEW CHAIN LINK FENCE

SET BENCHMARK TOP OF FOUNDATION WALL AT CORNER ELEV=9.17

SET BENCHMARK TOP OF FOUNDATION WALL AT CORNER ELEV=9.12

SET BENCHMARK TOP OF FOUNDATION WALL AT CORNER ELEV=9.05

MANHOLE RIM=5.91

MANHOLE RIM=5.32

MANHOLE RIM=7.09

MANHOLE RIM=6.64

COVER TOP=7.4

CHAIN LINK FENCE ELECTRICAL EQUIPMENT TIE IN

CONTAINMENT WALL CONCRETE

TANKS ON CONCRETE (AREA INACCESSIBLE)

CONCRETE (AREA INACCESSIBLE) TANKS

CONCRETE CONTAINMENT WALL

BLOCK WALL

RAISED TANKS ON CONCRETE

REMAINS OF SHED ON CONC PAD

LOADING DOCK

9 PARKING SPACES

7 PARKING SPACES

5 PARKING SPACES

CONC. & BRICK BUILDING

METAL & WOOD BLDG

RAMP

SHED

SUMP

TANK

ROLL TOP

GAS VALVE

WATER VALVE

LEGEND:

- EXISTING CAP MAINTAINED
- PROPERTY LINE
- RIGHT–OF–WAY LINE
- CAP FINAL GRADE ELEVATION CONTOUR
- SEE FIGURE 19 THROUGH FIGURE 21 FOR CAP DETAILS
- REINFORCED CONCRETE CAP
- WEST DITCH/DRAINAGE SWALE (NJDOT #1 STONE)
- RAILROAD BALLAST
- RIP–RAP STONE
- MONITORING WELL/PIEZOMETER
- GAS VAVLE
- WATER VAVLE
- UTILITY POLE
- HYDRANT
- BOLLARD
- SUB–DRAINAGE SYSTEM CLEANOUT

NOTES:

1. SEE FIGURE 2 FOR GENERAL NOTES AND LEGEND.
2. (1/21) IN FRONT OF WOLF WAREHOUSE TO CURBLINE OF ETHEL BLVD.
3. NEW CURB INSTALLED IN PAVEMENT REPLACEMENT AREAS.
4. TRANSVERSE AND LONGITUDINAL PAVEMENT CONTRACTION JOINTS WERE SAWCUT IN REINFORCED CONCRETE CAP AT 30 FEET ON CENTER. SEE DETAIL 3 ON FIGURE 19
5. FINAL AS–BUILT CAP GRADE CONTOUR LINES, MONITORING WELL LOCATIONS, RESTORED RAILROAD SPUR ALIGNMENT, SUB DRAINAGE FEATURES, STORMWATER DRAINAGE FEATURES, CHAIN LINK FENCING, GATES AND RESTORED WEST DITCH OBTAINED FROM KENNON SURVEYING SERVICES OF WARREN, NJ, DRAWING DATED 12–21–10.
6. UTILITY LINE LOCATIONS ARE APPROXIMATE AND SHOULD BE FIELD VERIFIED PRIOR TO INTRUSIVE ACTIVITIES.

40 20 0 40 80

SCALE: 1" = 40'

REMEDIAL ACTION REPORT

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ROBERT C. SWABSIN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03668

MORTON INTERNATIONAL, INC.
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106–2399

JOB NO. 445806
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

VENTRON/VELSICOL SUPERFUND SITE OU–1
WOOD–RIDGE/CARLSTADT, NEW JERSEY
CAP LIMITS
DEVELOPED AREA

PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873–1148

CMG	SA	RCS	4/15/11
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SHEET NUMBER: FIGURE 20
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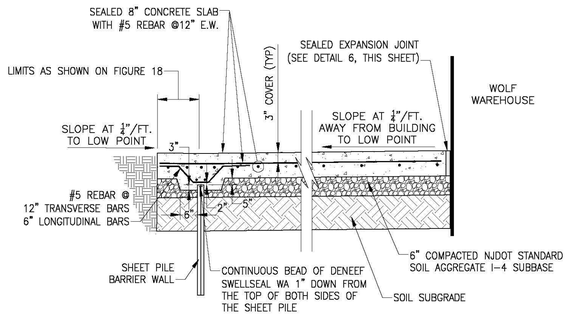
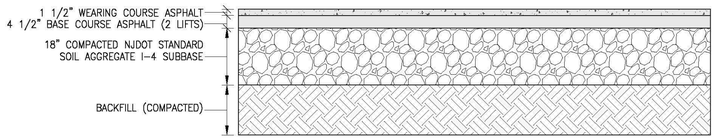
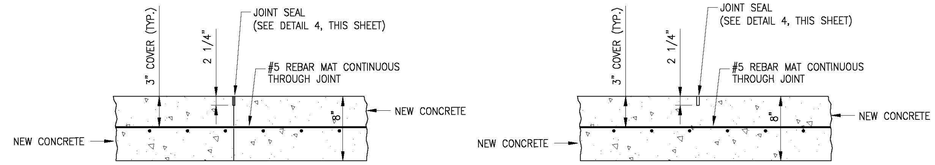


1/20 CONCRETE CAP PAVEMENT SECTION
N.T.S.

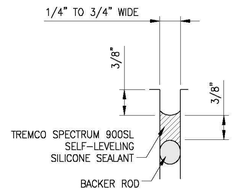


2/20 ASPHALT PAVEMENT REPLACEMENT SECTION
N.T.S.

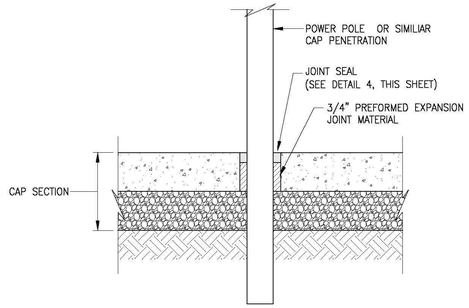


NOTE:
TYPICAL FOR TRANSVERSE AND LONGITUDINAL JOINTS

3/20 TYPICAL JOINT DETAILS
N.T.S.

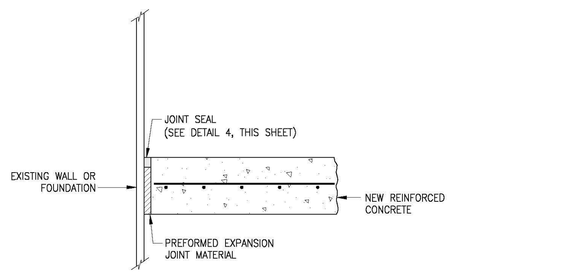


4/20 CONCRETE JOINT SEAL DETAIL
N.T.S.

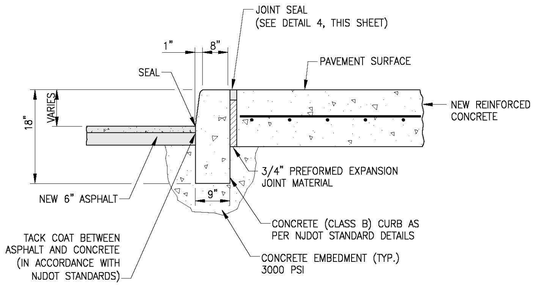


NOTE:
TYPICAL AT UTILITY POLES, HYDRANTS, ETC.

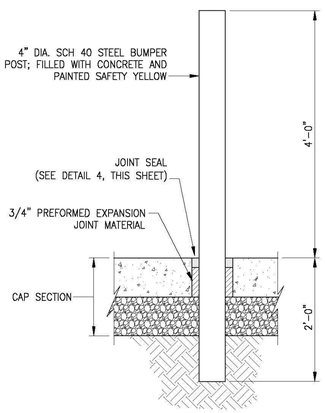
5/20 TYPICAL CAP PENETRATION DETAIL
N.T.S.



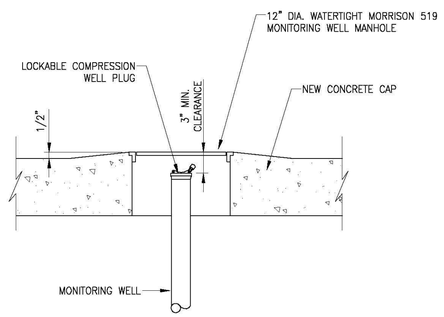
6/20 SEALED EXPANSION JOINT DETAIL
N.T.S.



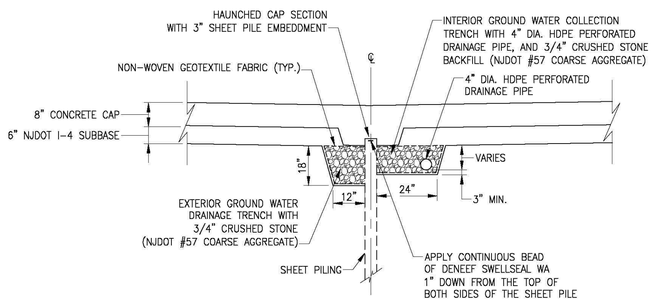
7/20 CONCRETE CURB DETAIL
N.T.S.



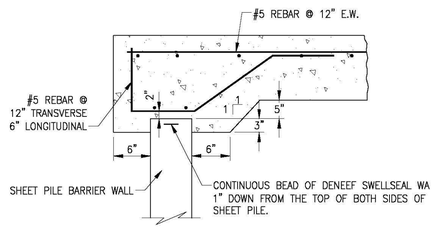
8/20 BUMPER POST DETAIL
N.T.S.



9/20 MONITORING WELL MANHOLE
N.T.S.



10/20 TYPICAL CAP SECTION WITH INTERIOR & EXTERIOR DRAINAGE SYSTEMS
N.T.S.



11/20 CONCRETE CAP PERIMETER DETAIL
N.T.S.

REMEDIAL ACTION REPORT

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ROBERT C. SWABSIN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03668?

MORTON INTERNATIONAL, INC.
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106-2399

JOB NO. 445805
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

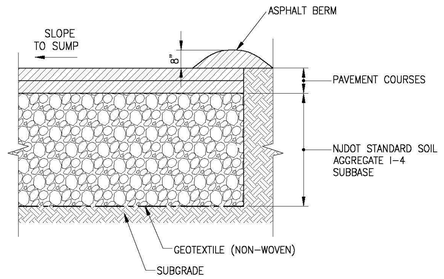
VENTRON/VELSICOL SUPERFUND SITE OU-1
WOOD-RIDGE/CARLSTADT, NEW JERSEY
DEVELOPED AREA
CAP DETAILS SHEET 1 OF 2

PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873-1148

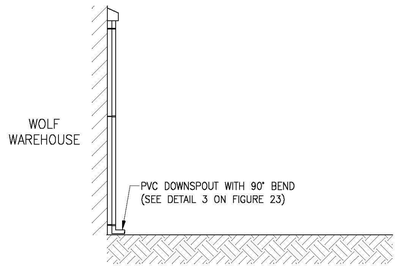
CMG	SA	RCS	4/15/11
PRJT. MNGR.	DSGN. MNGR.	RESP. ENGR.	DATE

SHEET NUMBER
FIGURE 21
REV -

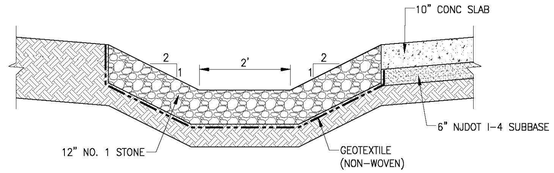
FILE: P:\PIT\PROJECTS\ROHM & HAAS\OU-1\DRAWINGS\REMEDIAL ACTION REPORT\FIGURE 21.DWG, DATE: 04/07/2011 02:21:50PM, p0018397



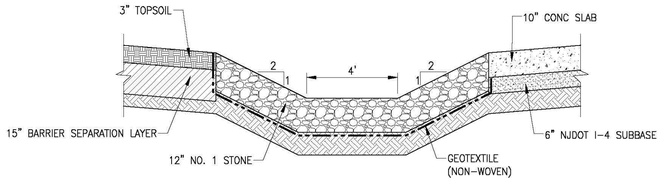
1 / 20 ASPHALT BERM DETAIL
N.T.S.



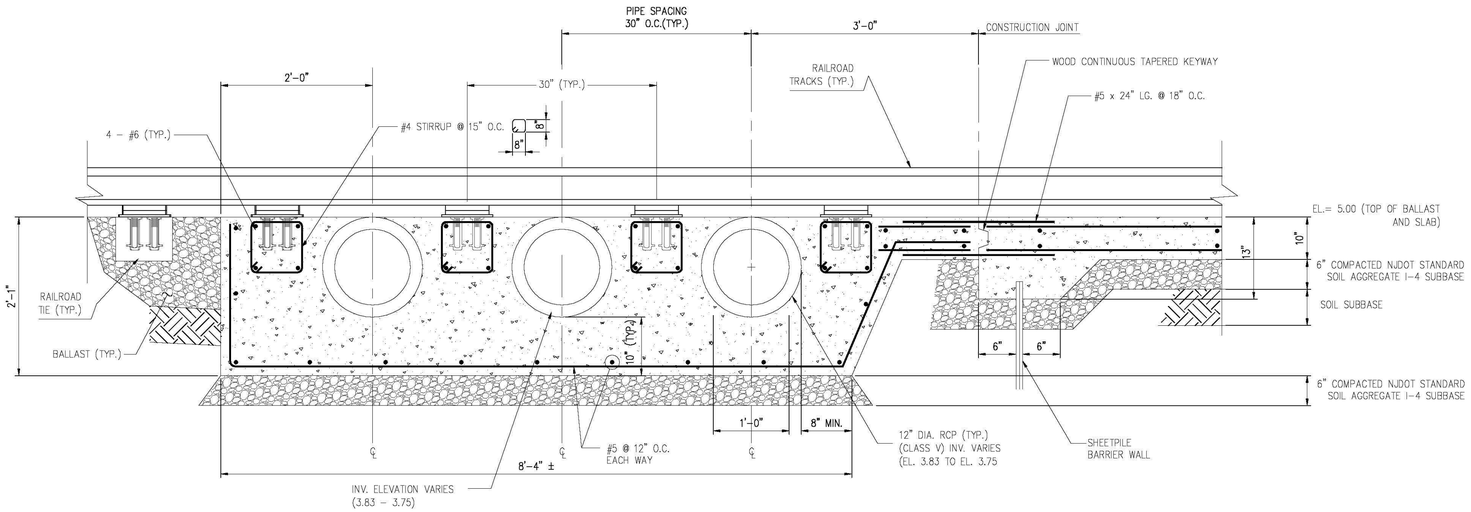
2 / 20 DOWNSPOUT
N.T.S.



3 / 20 SWALE A
N.T.S.



4 / 20 SWALE B
N.T.S.



5 / 20 REINFORCED CONCRETE DRAINAGE CROSSING
NOT TO SCALE

NO.	REVISION	DWN.	CHK.	CHK.	CHK.	DATE

REMEDIAL ACTION REPORT

ROBERT C. SWABSIN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03668

MORTON INTERNATIONAL, INC.
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106-2399

JOB NO. 445806
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

VENTRON/VELSICOL SUPERFUND SITE OU-1
WOOD-RIDGE/CARLSTADT, NEW JERSEY
DEVELOPED AREA
CAP DETAILS SHEET 2 OF 2

PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873-1148

PRJT. MNGR.	DSGN. MNGR.	RESP. ENGR.	DATE
CMG	SA	RCS	4/15/11

SHEET NUMBER
FIGURE 22

REV
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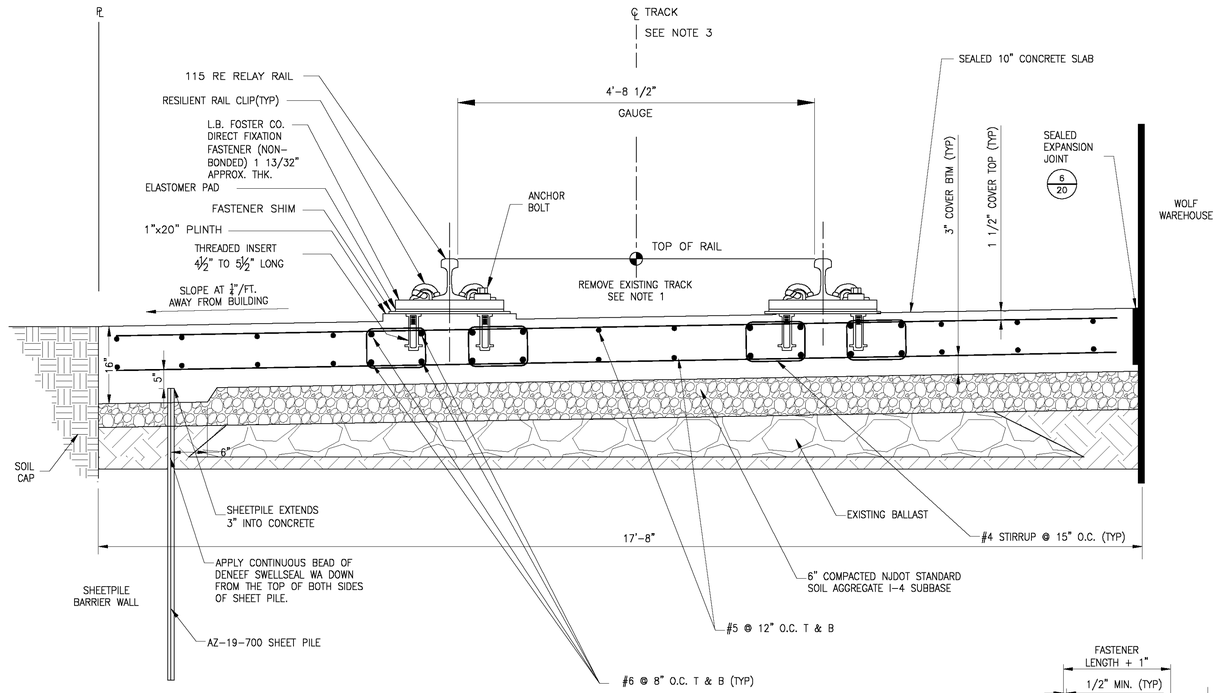
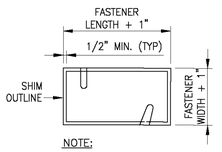


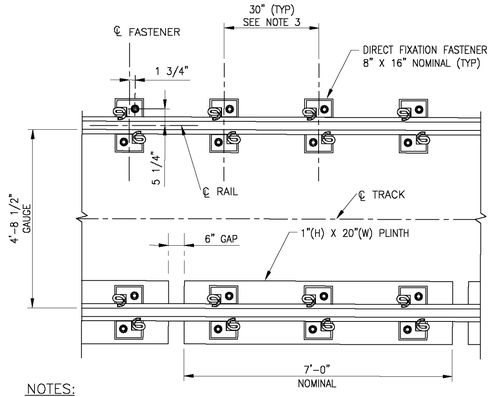
1/20 DF TRACK/CONCRETE SLAB BARRIER SECTION-SOUTH SIDE OF WOLF WAREHOUSE BUILDING
SCALE: 1" = 1'-0"



NOTE:
SHIM SIZE AND HOLES TO MATCH FASTENER SIZE AND ANCHOR BOLT LOCATION.

MATERIAL:
1/16" AND 1/8" THICK SHIMS SHALL BE STAINLESS STEEL.
1/4" SHIMS SHALL BE GALVANIZED STEEL.

DF FASTENER SHIM CONFIGURATION
SCALE: 1/4" = 1'-0"



NOTES:

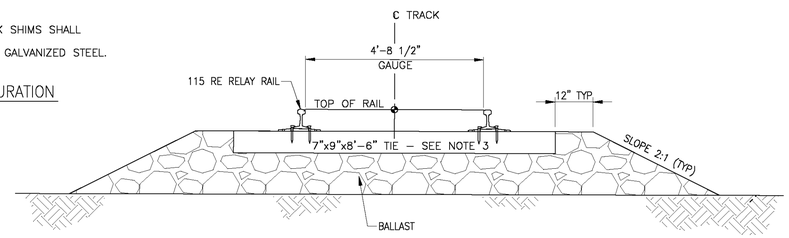
1. DIRECT FIXATION RAIL FASTENERS INSTALLED IN PAIRS, OPPOSITE EACH OTHER AT RIGHT ANGLES TO THE CENTERLINE OF TRACK, ONE FASTENER UNDER EACH RUNNING RAIL, SPACED AND LOCATED AS SHOWN.
2. FASTENER INSERTS INSTALLED BY DRILL AND GROUT METHOD.

2/20 DIRECT FIXATION TRACK PLAN AT CONCRETE SLAB BARRIER SOUTH SIDE OF WOLF WAREHOUSE BUILDING
SCALE: 1/2" = 1'-0"

NOTES:

STRUCTURAL NOTES:

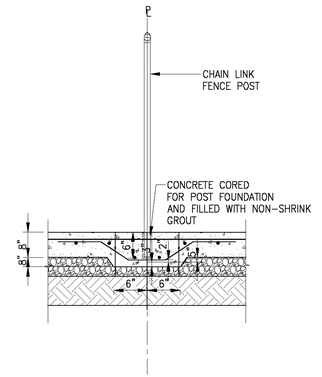
1. DESIGN CRITERIA
   A. DESIGN CODE
      1. "BUILDING CODE REQUIREMENTS FOR STRUCTURAL CONCRETE" ACI 318-02, BY THE AMERICAN CONCRETE INSTITUTE (ACI).
   B. MATERIALS AND DESIGN STRESSES
      1. CAST-IN-PLACE CONCRETE: (fc = 0.40 f'c): CLASS 4000 (f'c = 4000 PSI AT 28 DAYS) MINIMUM.
      2. REINFORCING STEEL: ASTM A615, GRADE 60, fy = 60 KSI, fs = 24 KSI.
2. CONCRETE
   A. TYPE 1 CEMENT.
   B. EDGES OF CONCRETE SURFACES CHAMFERED AT 3/4" UNO.
3. REINFORCEMENT
   A. REINFORCEMENT DETAILS SHALL CONFORM TO THE REQUIREMENTS OF ACI 318-99.
   B. CONCRETE PROTECTION SHALL BE AS SHOWN ON THE DRAWINGS.
4. NONSHRINK EPOXY GROUT FOR FASTENER INSERTS
   A. NONSHRINK EPOXY GROUT FOR RAIL ANCHORAGE INSERTS SHALL BE FIVE STAR HP EPOXY GROUT MANUFACTURED BY FIVE STAR PRODUCTS, INC., FAIRFIELD, CONNECTICUT OR EQUAL.



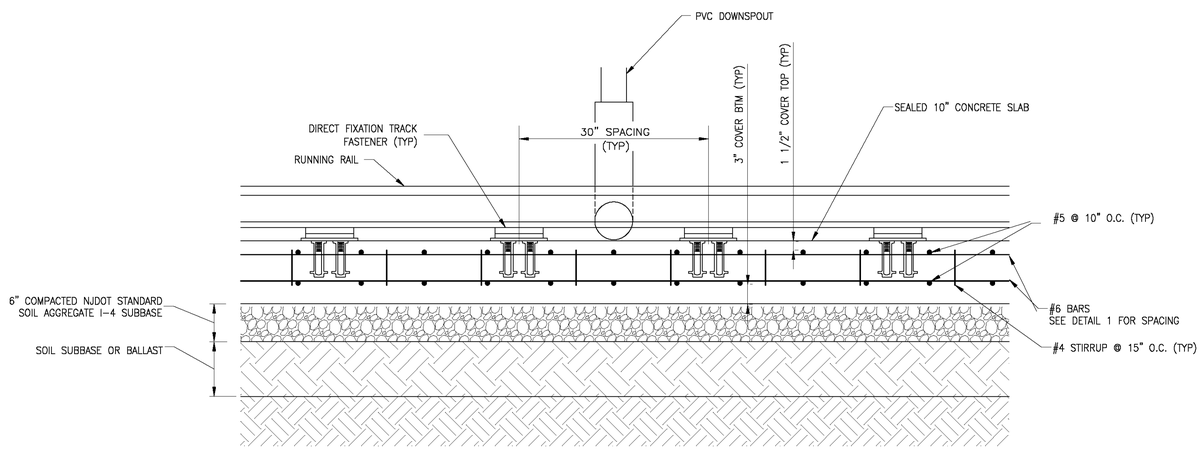
NOTES:

1. TRANSITION BALLASTED TRACK WAS PROVIDED AS A TRANSITION FROM THE DIRECT FIXATION TRACK (115 RE RAIL) TO THE EXISTING BALLASTED TRACK (100 PS RAIL). 115 RE RAIL EXTENDED TO EXISTING RAIL AND WAS CONNECTED TO EXISTING 100 PS RAIL WITH COMPROMISE JOINTS.
2. NEW TIES WERE 7" X 9" X 8'-6" TREATED TIMBER TIES IN ACCORDANCE WITH AREMA CHAPTER 30. SALVAGED TIES REMOVED FROM THE TRACK WERE USED IN ACCORDANCE WITH THE PROVISIONS OF AREMA CHAPTER 30, SECTION 3.5.14.

4/20 TRANSITION BALLASTED TRACK SECTION
SCALE: 1/2" = 1'-0"



5/20 CONCRETE HAUNCH AND CHAIN LINK FENCE
N.T.S.



3/20 DOWNSPOUT AND LONGITUDINAL SECTION OF DIRECT FIXATION TRACK
SCALE: 1" = 1'-0"

REMEDIAL ACTION REPORT

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ROBERT C. SWABSIN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03668?

MORTON INTERNATIONAL, INC.
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106-2399

JOB NO. 445806
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

VENTRON/VELSICOL SUPERFUND SITE OU-1
WOOD-RIDGE/CARLSTADT, NEW JERSEY
RAILROAD SIDING AND IMPROVEMENT DETAILS

PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873-1148

CMG	SA	RCS	4/15/11
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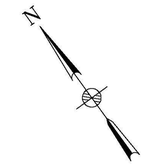
SHEET NUMBER
FIGURE 23
REV -



NOTES:

1. SEE FIGURE 2 FOR GENERAL NOTES AND LEGEND.
2. AS-BUILT SURVEY INFORMATION COMPILED FROM KENNON SURVEYING SERVICES, INC. DATED NOVEMBER 5, 2010.

LEGEND:

——7—— CAP SUBGRADE ELEVATION CONTOUR

60 30 0 60 120

SCALE: 1" = 60'

REMEDIAL ACTION REPORT

NO.	REVISION	DWN.	CHK.	CHK.	CHK.	DATE

ROBERT C. SWABSIN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE03668?

MORTON INTERNATIONAL, INC.
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106-2399

JOB NO. 445806
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

VENTRON/VELSICOL SUPERFUND SITE OU-1
WOOD-RIDGE/CARLSTADT, NEW JERSEY
UNDEVELOPED AREA
FINAL GRADING PLAN

PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873-1148

CMG.	SA	RCS	4/15/11
PRJT. MNGR.	DSGN. MNGR.	RESP. ENGR.	DATE

SHEET NUMBER
FIGURE 24

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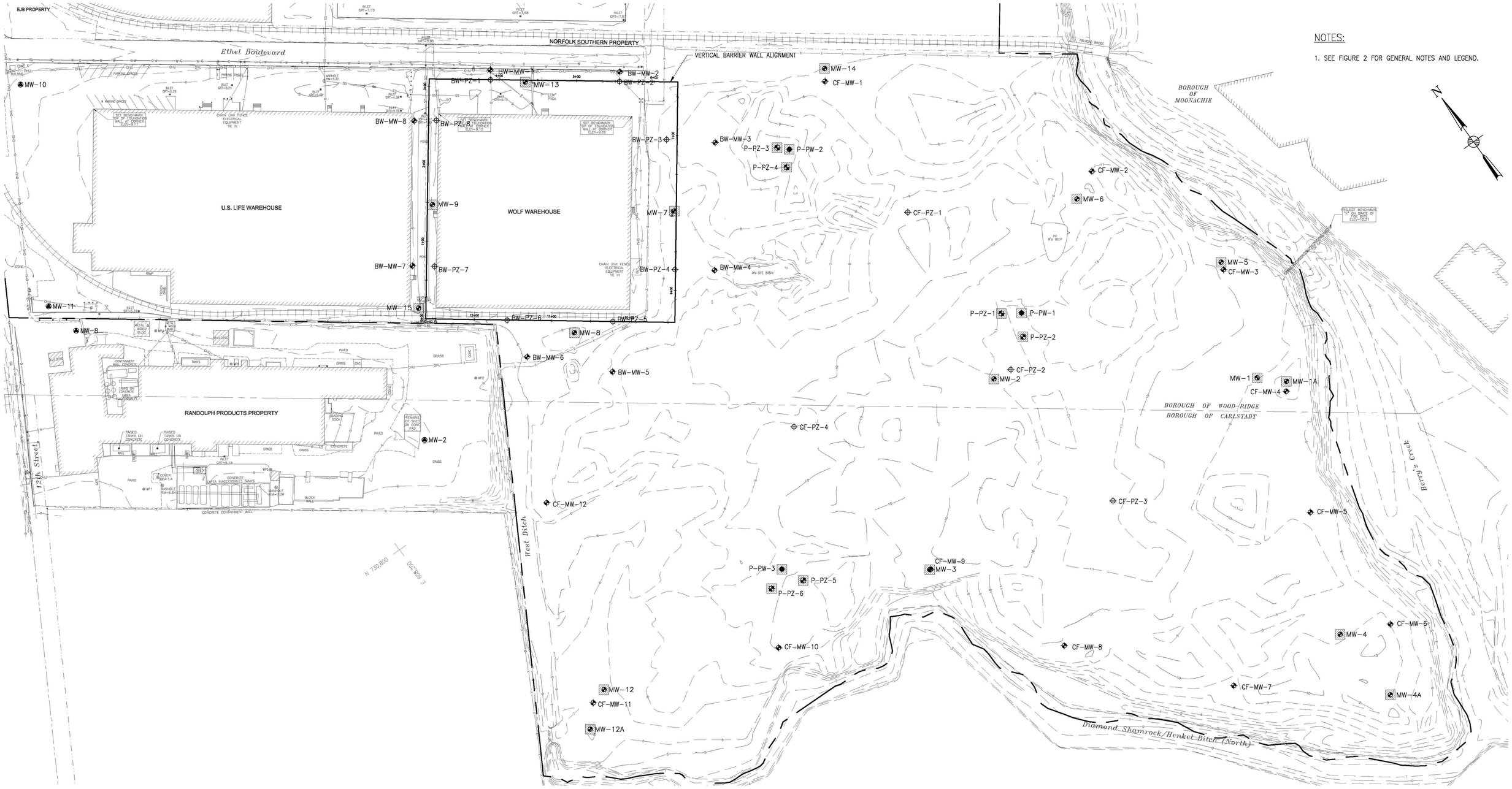


NOTES:

1. SEE FIGURE 2 FOR GENERAL NOTES AND LEGEND.

REMEDIAL ACTION REPORT

60 30 0 60 120

SCALE: 1" = 60'

LEGEND:

CF-MW-1	MONITORING WELL INSTALLED
CF-PZ-1	PIEZOMETER INSTALLED
MW-12	ABANDONED EXISTING MONITORING WELL\PIEZOMETER
MW-10	EXISTING MONITORING WELL

NO.	REVISION	DWN.	CHK.	CHK.	CHK.	DATE

ROBERT C. SWABSIN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE036687

MORTON INTERNATIONAL, INC.
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106-2399

JOB NO. 445806
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

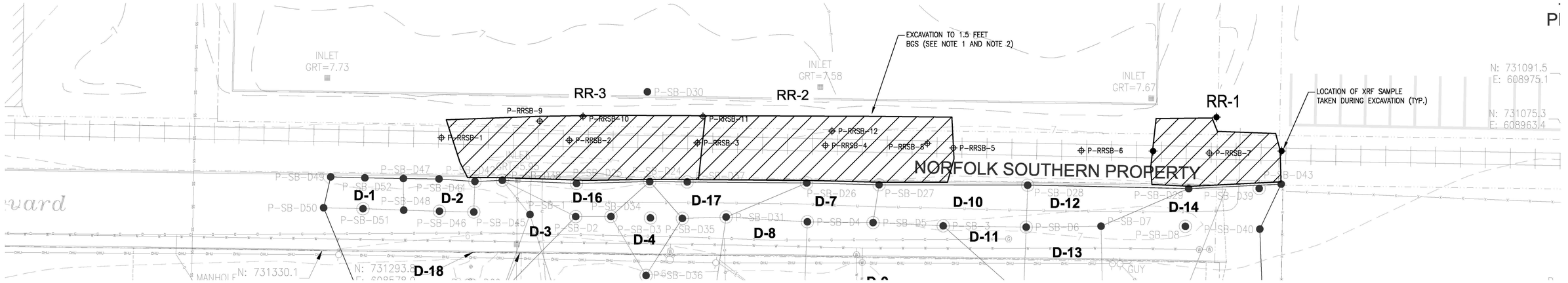
VENTRON/VELSICOL SUPERFUND SITE OU-1
WOOD-RIDGE/CARLSTADT, NEW JERSEY
MONITORING WELL AND
PIEZOMETER LOCATION PLAN

PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873-1148

CMG	SA	RCS	4/15/11
PRJT. MNGR.	DSGN. MNGR.	RESP. ENGR.	DATE

SHEET NUMBER
FIGURE 25
REV -

FILE: P:\PIT\PROJECTS\ROHM & HAAS\OU-1\DRAWINGS\REMEDIAL ACTION REPORT\FIGURE 25.DWG, DATE: 04/07/2011 02:18:09PM, p0018397



EXCAVATION AREA	EXCAVATION DEPTH (FEET BELOW GROUND SURFACE)	ESTIMATED ELEVATION OF GROUND SURFACE (SEE NOTE 4)
RR-1	2	6.4
RR-2	4	6.3
RR-3	3	6.3

LEGEND:

- ◆ — LOCATION OF XRF SAMPLE TAKEN DURING EXCAVATION
- ⊕ P-RRSB-1 — GEOPROBE LOCATION
- RR-3 — CAPPING AREA NAME
- ● P-SB-D2 — PARSONS DELINEATION BORING WITH SOIL THAT HAS MERCURY CONCENTRATIONS OF 620 MG/KG OR LESS
- ◉ P-SB-D3 — PARSONS DELINEATION BORING WITH SOIL THAT HAS MERCURY CONCENTRATIONS OF GREATER THAN 620 MG/KG.
- ▨ — AREAS TO EXCAVATE PRIOR TO CAP INSTALLATION

NOTES:

1. EXCAVATION DEPTHS ARE LISTED IN FEET BELOW GROUND SURFACE. TOP OF RAILROAD BALLAST WAS CONSIDERED GROUND SURFACE IN AREAS WHERE BALLAST IS PRESENT.
2. EXCAVATION NORTH OF THE EXTENT OF RAILROAD TIES IN AREAS RR-2 AND RR-3 EXTEND TO A DEPTH OF 1.5 FEET BGS.
3. NORTHERN EXTENT OF EXCAVATION FOR AREAS RR-2 AND RR-3 EXTEND TO TOE OF BERM OR FENCELINE, WHICHEVER WAS ENCOUNTERED FIRST.
4. ESTIMATED ELEVATION OF GROUND SURFACE ESTABLISHED BY SURVEY OF DELINEATION BORINGS.

20 10 0 20 40

SCALE: 1"=20'

REMEDIAL ACTION REPORT

NO.	REVISION	DWN.	CHK.	CHK.	CHK.	DATE

ROBERT C. SWABSIN, P.E.
NEW JERSEY PROFESSIONAL ENGINEER NO. 24GE036687

MORTON INTERNATIONAL, INC.
100 INDEPENDENCE MALL WEST
PHILADELPHIA, PA 19106-2399

JOB NO. 445806
CONTRACTOR'S JOB NO.
SCALE AS SHOWN

VENTRON/VELSICOL SUPERFUND SITE OU-1
WOOD-RIDGE/CARLSTADT, NEW JERSEY
NORFOLK SOUTHERN PROPERTY RAILROAD CAP AREAS AND DELINEATION SAMPLING RESULTS

PARSONS
200 COTTONTAIL LANE
SOMERSET, NJ 08873-1148

CMG	SA	RCS	4/15/11
PRJT. MNGR.	DSGN. MNGR.	RESP. ENGR.	DATE

SHEET NUMBER: FIGURE 26
REV: –

FILE: P:\PIT\PROJECTS\ROHM & HAAS\OU-1\DRAWINGS\REMEDIAL ACTION REPORT\FIGURE 26.DWG, DATE: 04/07/2011 02:20:04PM, p0018397